Ingediende aanvraag/melding omgevingsvergunning

gemeente Berkelland
Behoort bij besluit van burgemeester en wethouders van Berkelland
datum: 23 mei 2022
zaaknr: 213988

Formulierversie
2020.01

Aanvraaggegevens

Algemeen

Aanvraagnummer	6282855
Aanvraagnaam	Eibergen 110 velden
Uw referentiecode	003.122
Ingediend op	06-08-2021
Soort procedure	Onbekend
Projectomschrijving	Het realiseren van 2 nieuwe hoogspanningsvelden met portalen; het realiseren van een Centrale Diensten Gebouw (CDG); Materialen gebouwtje; Het verzwaren van Mast 21. Zie verder Bijlage 1
Opmerking	zie bijlage 1
Gefaseerd	Nee
Blokkerende onderdelen weglaten	Nee
Persoonsgegevens openbaar maken	Nee
Kosten openbaar maken	Nee
Bijlagen die later komen	nvt
Bijlagen n.v.t. of al bekend	nvt

Bevoegd gezag

Naam:	Gemeente Berkelland
Bezoekadres:	Marktstraat 1 7271 AX Borculo
Postadres:	Postbus 200 7270 HA Borculo
Telefoonnummer:	0545-250 250
E-mailadres:	info@gemeenteberkelland.nl
Website:	www.gemeenteberkelland.nl
Contactpersoon:	Team Dienstverlening, tel. 0545-250 250

Overzicht bijgevoegde modulebladen

Aanvraaggegevens

Aanvragergegevens

Locatie van de werkzaamheden

Werkzaamheden en onderdelen

- Overig bouwwerk bouwen
  - Bouwen
- Overige veranderingen aan bestaande bouwwerken
  - Bouwen
- Handelen in strijd met regels ruimtelijke ordening
  - Handelen in strijd met regels ruimtelijke ordening

Bijlagen

Kosten

Aanvrager bedrijf

1 Bedrijf

KvK-nummer	09155985
Vestigingsnummer	000020300360
(Statutaire) naam	TenneT TSO B.V.
Handelsnaam	TenneT TSO

2 Contactpersoon

Geslacht	☑ Man ☐ Vrouw
Voorletters	H
Voorvoegsels	-
Achternaam	Kuipers
Functie	Adviseur Vergunningen en Planologie

3 Vestigingsadres bedrijf

Postcode	6812AR
Huisnummer	310
Huisletter	-
Huisnummertoevoeging	M01
Straatnaam	Utrechtseweg
Woonplaats	Arnhem

4 Correspondentieadres

Postbus	718
Postcode	6800AS
Plaats	Arnhem

5 Contactgegevens

Telefoonnummer	06-21831424
Faxnummer	-
E-mailadres	jan-willem.broersma@tennet.eu

6 Akkoordverklaring

Akkoordverklaring

☑ Hierbij verklaar ik dat ik de aanvraag/melding naar waarheid heb ingevuld, dat ik correspondentie over mijn aanvraag/melding wil ontvangen op het door mij opgegeven e-mailadres of op het door mij opgegeven adres van de berichtenbox en dat ik weet dat er kosten verbonden kunnen zijn aan het indienen van een aanvraag.

Locatie

1 Kadastraal perceelnummer

Burgerlijke gemeente	Berkelland
Kadastrale gemeente	Eibergen
Kadastrale sectie	AA
Kadastraal perceelnummer	89
Bouwplannaam	-
Bouwnummer	-
Gelden de werkzaamheden in deze aanvraag/melding voor meerdere adressen of percelen?	☑ Ja ☐ Nee
Specificatie locatie	Eibergen AA 1006

2 Eigendomssituatie

Eigendomssituatie van het perceel	☑ U bent eigenaar van het perceel ☐ U bent erfpachter van het perceel ☐ U bent huurder van het perceel ☐ Anders

3 Toelichting

Eventuele toelichting op locatie	Betreft Hoogspanningsstation Eibergen 110

Bouwen

Overig bouwwerk bouwen

1 De bouwwerkzaamheden

Wat is er op het bouwwerk van toepassing?	☐ Het wordt geheel vervangen ☐ Het wordt gedeeltelijk vervangen ☑ Het wordt nieuw geplaatst
Eventuele toelichting	zie bijlage 1 en projectomschrijving
Hebt u voor deze bouwwerkzaamheden al eerder een vergunning aangevraagd?	☐ Ja ☑ Nee

2 Plaats van het bouwwerk

Waar gaat u bouwen?	Terrein

3 Bruto vloeroppervlakte bouwwerk

Verandert de bruto vloeroppervlakte van het bouwwerk door de bouwwerkzaamheden?	☑ Ja ☐ Nee
Wat is de bruto vloeroppervlakte van het bouwwerk in m2 voor uitvoering van de bouwwerkzaamheden?	0
Wat is de bruto vloeroppervlakte van het bouwwerk in m2 na uitvoering van de bouwwerkzaamheden?	140

4 Bruto inhoud bouwwerk

Verandert de bruto inhoud van het bouwwerk door de bouwwerkzaamheden?	☑ Ja ☐ Nee
Wat is de bruto inhoud van het bouwwerk in m3 voor uitvoering van de bouwwerkzaamheden?	0
Wat is de bruto inhoud van het bouwwerk in m3 na uitvoering van de bouwwerkzaamheden?	377

5 Oppervlakte bebouwd terrein

Verandert de bebouwde oppervlakte van het terrein na uitvoering van de bouwwerkzaamheden?	☑ Ja ☐ Nee

Wat is de bebouwde oppervlakte van het terrein in m2 voor uitvoering van de bouwwerkzaamheden?	0
Wat is de bebouwde oppervlakte van het terrein in m2 na uitvoering van de bouwwerkzaamheden?	158

6 Seizoensgebonden en tijdelijke bouwwerken

Gaat het om een seizoensgebonden bouwwerk?	☐ Ja ☑ Nee
Gaat het om een tijdelijk bouwwerk?	☐ Ja ☑ Nee

7 Gebruik

Waar gebruikt u het bouwwerk en/of terrein momenteel voor?	☐ Wonen ☑ Overige gebruiksfuncties
Geef aan waar u het bouwwerk en/of terrein momenteel voor gebruikt.	Hoogspanningsstation
Waar gaat u het bouwwerk voor gebruiken?	☐ Wonen ☑ Overige gebruiksfuncties
Geef aan waar u het bouwwerk voor gaat gebruiken.	Hoogspanningsstation

8 Gebruiksfuncties

In onderstaande tabel staan in de eerste kolom mogelijke gebruiksfuncties die in een bouwwerk kunnen voorkomen. Vul voor alle gebruiksfuncties die voor u van toepassing zijn het aantal personen, de totale gebruiksoppervlakte en de totale vloeroppervlakte van het verblijfsgebied in m2 in hele getallen in.

Gebruiksfunctie	Aantal personen	Gebruiksoppervlakte (m2)	Verblijfsoppervlakte (m2)
Bijeenkomst	-	-	-
Cel	-	-	-
Gezondheidszorg	-	-	-
Industrie	-	-	-
Kantoor	-	-	-
Logies	-	-	-
Onderwijs	-	-	-
Sport	-	-	-
Winkel	-	-	-
Overige gebruiksfuncties	-	-	-

9 Uiterlijk bouwwerk/welstand

Beschrijf van de onderstaande onderdelen de materialen en kleuren die u voor het bouwwerk gebruikt. U mag het veld leeg laten als u materialen en kleuren in de bijlagen vermeldt

Onderdelen	Materiaal	Kleur
Gevels	-	-
- Plint gebouw	-	-
- Gevelbekleding	-	-
- Borstweringen	-	-
- Voegwerk	-	-
Kozijnen	-	-
- Ramen	-	-
- Deuren	-	-
- Luiken	-	-
Dakgoten en boeidelen	-	-
Dakbedekking	-	-

Vul hier overige onderdelen en bijbehorende materialen en kleuren in.

zie bijlage 2.1 tm 2.5 en bijlage 3

10 Mondeling toelichten

Ik wil mijn bouwplan mondeling toelichten voor de welstandscommissie/ stadsbouwmeester.

- ☐ Ja
- ☑ Nee

Bouwen

Overige veranderingen aan bestaande bouwwerken

1 Woonboten en drijvende objecten

Betreft het bouwwerk een drijvend object?	☐ Ja ☑ Nee

2 Woning

Gaat het om de bouw van één of meer woningen?	☐ Ja ☑ Nee

3 De bouwwerkzaamheden

Wat is er op het bouwwerk van toepassing?	☐ Het wordt geheel vervangen ☑ Het wordt gedeeltelijk vervangen ☐ Het wordt nieuw geplaatst
Eventuele toelichting	Het betreft contructieve aanpassing en verzwaring van mast 21 zie bijlage 1
Hebt u voor deze bouwwerkzaamheden al eerder een vergunning aangevraagd?	☑ Ja ☐ Nee

4 Plaats van het bouwwerk

Waar gaat u bouwen?	Terrein

5 Seizoensgebonden en tijdelijke bouwwerken

Gaat het om een seizoensgebonden bouwwerk?	☐ Ja ☑ Nee
Gaat het om een tijdelijk bouwwerk?	☐ Ja ☑ Nee

6 Gebruik

Waar gebruikt u het bouwwerk en/ of terrein momenteel voor?	☐ Wonen ☑ Overige gebruiksfuncties
Geef aan waar u het bouwwerk en/ of terrein momenteel voor gebruikt.	Betreft een bestaande Hoogspanningsmast
Waar gaat u het bouwwerk voor gebruiken?	☐ Wonen ☑ Overige gebruiksfuncties
Geef aan waar u het bouwwerk voor gaat gebruiken.	Betreft een bestaande Hoogsspanningsmast gebruik blijft hetzelfde

7 Gebruiksfuncties

In onderstaande tabel staan in de eerste kolom mogelijke gebruiksfuncties die in een bouwwerk kunnen voorkomen. Vul voor alle gebruiksfuncties die voor u van toepassing zijn het aantal personen, de totale gebruiksoppervlakte en de totale vloeroppervlakte van het verblijfsgebied in m2 in hele getallen in.

Gebruiksfunctie	Aantal personen	Gebruiksoppervlakte (m2)	Verblijfsoppervlakte (m2)
Bijeenkomst	-	-	-
Cel	-	-	-
Gezondheidszorg	-	-	-
Industrie	-	-	-
Kantoor	-	-	-
Logies	-	-	-
Onderwijs	-	-	-
Sport	-	-	-
Winkel	-	-	-
Overige gebruiksfuncties	-	-	-

8 Uiterlijk bouwwerk/welstand

Beschrijf van de onderstaande onderdelen de materialen en kleuren die u voor het bouwwerk gebruikt. U mag het veld leeg laten als u materialen en kleuren in de bijlagen vermeldt

Onderdelen	Materiaal	Kleur
Gevels	-	-
- Plint gebouw	-	-
- Gevelbekleding	-	-
- Borstweringen	-	-
- Voegwerk	-	-
Kozijnen	-	-
- Ramen	-	-
- Deuren	-	-
- Luiken	-	-
Balkonhekken	-	-
Dakgoten en boeidelen	-	-
Dakbedekking	-	-

Vul hier overige onderdelen en bijbehorende materialen en kleuren in. zie bijlage 1

9 Mondeling toelichten

Ik wil mijn bouwplan mondeling toelichten voor de welstandscommissie/ stadsbouwmeester.

- ☐ Ja
- ☑ Nee

Handelen in strijd met regels ruimtelijke ordening

1 Handelen in strijd met regels ruimtelijke ordening

Met welke regels voor ruimtelijke ordening zijn de voorgenomen werkzaamheden in strijd?	☑ Bestemmingsplan ☐ Beheersverordening ☐ Exploitatieplan ☐ Regels op grond van de provinciale verordening ☐ Regels op grond van een AMvB ☐ Regels van het voorbereidingsbesluit
Beschrijf hoe en in welke mate de voorgenomen werkzaamheden in strijd zijn met de regels voor ruimtelijke ordening.	zie bijlage 1 pagina 10
Beschrijf het huidige gebruik van de gronden of het bouwwerk.	zie bijlage 1
Beschrijf het beoogde gebruik van de gronden of het bouwwerk.	zie bijlage 1
Beschrijf de gevolgen van het beoogde gebruik voor de ruimtelijke ordening.	zie bijlage 1 pagina 10
Is het beoogde gebruik tijdelijk van aard?	☐ Ja ☑ Nee
Hebt u een rapport nodig waarin de archeologische waarde van het terrein dat zal worden verstoord in voldoende mate is vastgelegd?	☑ Ja ☐ Nee
Wordt er afgeweken van het exploitatieplan?	☐ Ja ☑ Nee

Bijlagen

Formele bijlagen

Naam bijlage	Bestandsnaam	Type	Datum ingediend	Status document
Bijl2_1_Tekeningen_-CDG_pdf	Bijl2 1 Tekeningen CDG.pdf	Anders	06-08-2021	In behandeling
jl2_2_Overzichtstekening-_uitbreiding_pdf	Bijl2 2 Overzichtstekening uitbreiding.pdf	Anders	06-08-2021	In behandeling
Bijl2_3_Tekeningen_trafo-veld_TR_113_pdf	Bijl2 3 Tekeningen trafoveld TR 113.pdf	Anders	06-08-2021	In behandeling
Bijl2_4_Tekeningen_trafo-veld_TR_114_pdf	Bijl2 4 Tekeningen trafoveld TR 114.pdf	Anders	06-08-2021	In behandeling
l2_5_Situatietekening_Ei-bergen_110kV_pdf	Bijl2 5 Situatietekeni-ng Eibergen 110kV.pdf	Anders	06-08-2021	In behandeling
Bijl3_Kleur_en_materiaal-staat_CDG_pdf	Bijl3 Kleur en materiaalstaat CDG.pdf	Anders	06-08-2021	In behandeling
Bijl4_Grondmechanis-ch_onderzoek_pdf	Bijl4 Grondmechanisch onderzoek.pdf	Anders	06-08-2021	In behandeling
jl5_ConstrucgegMast-_21enNwe_portalen_pdf	Bijl5 ConstrucgegMast 21enNwe portalen.pdf	Anders	06-08-2021	In behandeling
Bijl6_1_Ruimtelijke_onde-rbouwing_pdf	Bijl6 1 Ruimtelijke onderbouwing.pdf	Anders	06-08-2021	In behandeling
ijl6_2_Archeologisch_bur-eauonderzoek_pdf	Bijl6 2 Archeologisch bureauonderzoek.pdf	Anders	06-08-2021	In behandeling
Bijl6_3_Ecologisch_-onderzoek_pdf	Bijl6 3 Ecologisch onderzoek.pdf	Anders	06-08-2021	In behandeling
Bijl6_4_Verkennend_-bodemonderzoek_pdf	Bijl6 4 Verkennend bodemonderzoek-.pdf	Anders	06-08-2021	In behandeling
Bijl6_5_AERIUS--bere-kening_pdf	Bijl6 5 AERIUS-berekening.pdf	Anders	06-08-2021	In behandeling
Bijl1_Aanbiedingsbriefen-Toelichting_pdf	Bijl1 Aanbiedingsbri-efenToelichting-.pdf	Anders	06-08-2021	In behandeling

Kosten

Bouwen

Overig bouwwerk bouwen

Wat zijn de geschatte kosten in euro's (exclusief BTW)?	1658000

Bouwen

Overige veranderingen aan bestaande bouwwerken

Wat zijn de geschatte kosten in euro's (exclusief BTW)?	0

Projectkosten

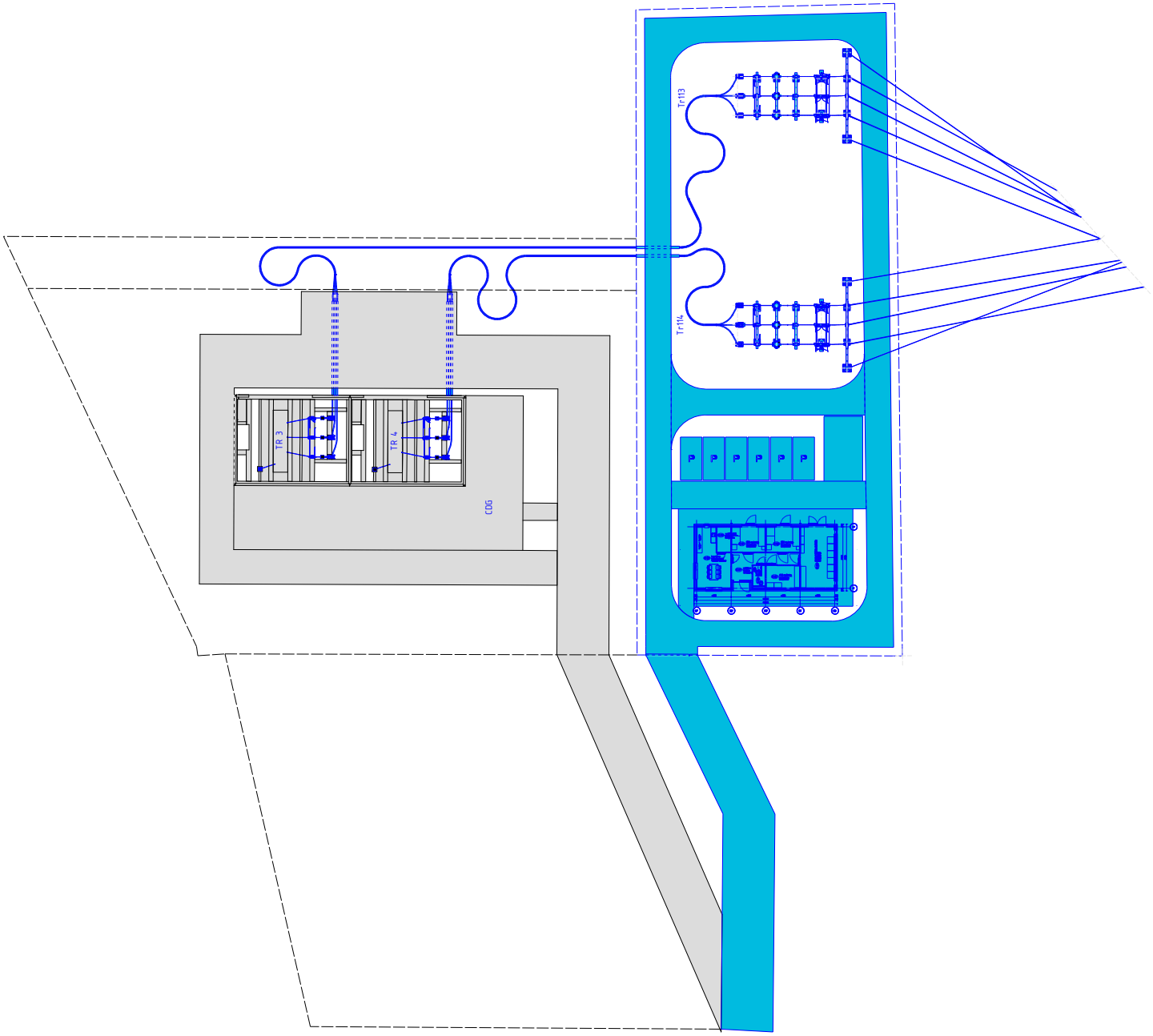
Wat zijn de geschatte kosten voor het totale project in euro's (exclusief BTW)?	1658000

gemeente Berkelland

Behoort bij besluit van burgemeester en wethouders van Berkelland

datum: 23 mei 2022

zaaknr: 213988



Bovenaanzicht

1:500

Tekening: Bovenaanzicht

Schaal: 1:500

Formaat: A3

Tekening nr: 1 (4)

Revisie nr: 0

Datum: 10-11-2021

Tekening nr: RV-V. station Berkelland glasvoc en nieuw P-dekken-OD LANDS

Tekening: Bovenaanzicht

Pro Vor Adres b.v.

Ontwerper: Tenner

Tekening van: RV-V. station Berkelland - 1 ste fase nieuwe fietsroutes

Revisie: Datum: Omschrijving: Door:

0 | 10-11-2021 | Definitief | PVA

Opdrachtgever:

Opdrachtnr: 2021-170

Versie: 1

Status: Definitief

Schaal: 1:500

Formaat: A3

Tekening nr: 1 (4)

Revisie nr: 0

Datum: 10-11-2021

Tekening nr: RV-V. station Berkelland glasvoc en nieuw P-dekken-OD LANDS

Tekening: Bovenaanzicht

Pro Vor Adres b.v.

Ontwerper: Tenner

Tekening van: RV-V. station Berkelland - 1 ste fase nieuwe fietsroutes

Revisie: Datum: Omschrijving: Door:

0 | 10-11-2021 | Definitief | PVA

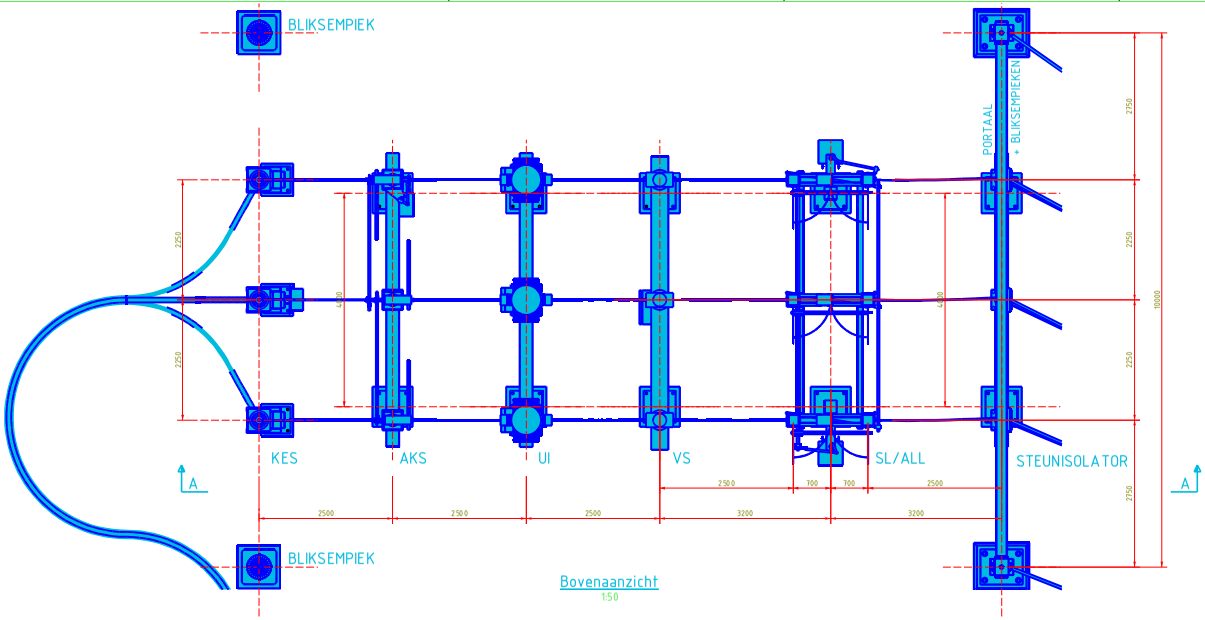
Opdrachtgever:

Opdrachtnr: 2021-170

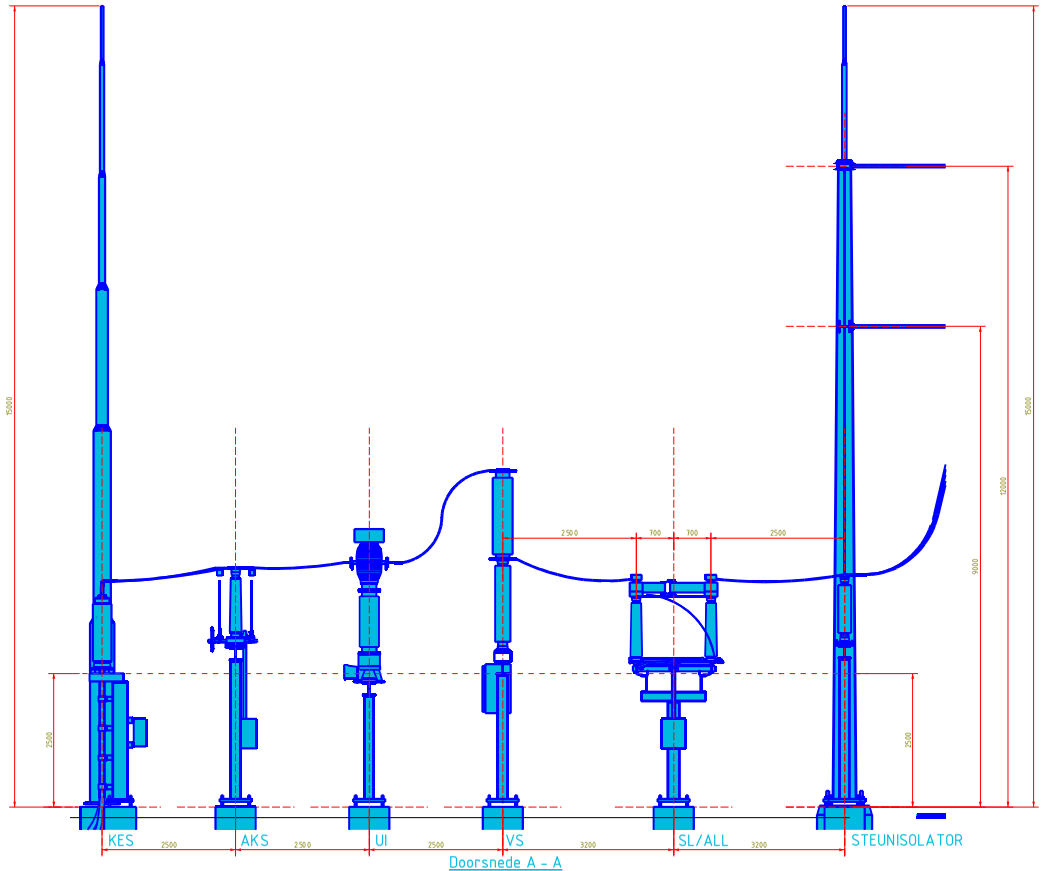
Versie: 1

Status: Definitief

Tekening Bouwkunde



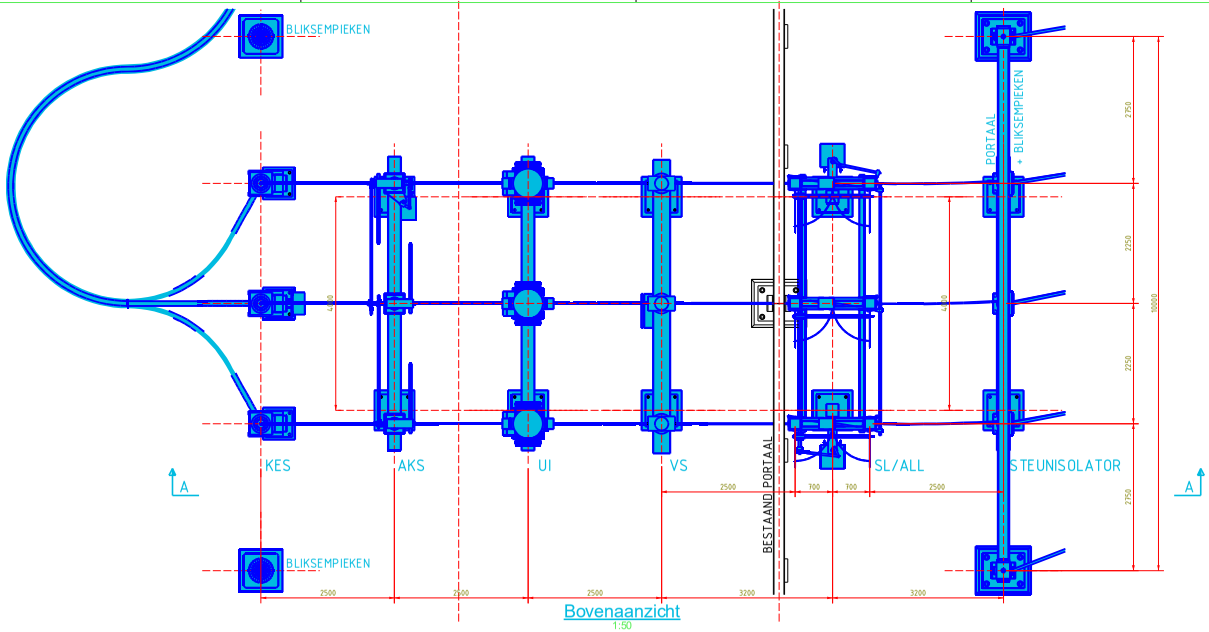
Bovenaanzicht
1:50



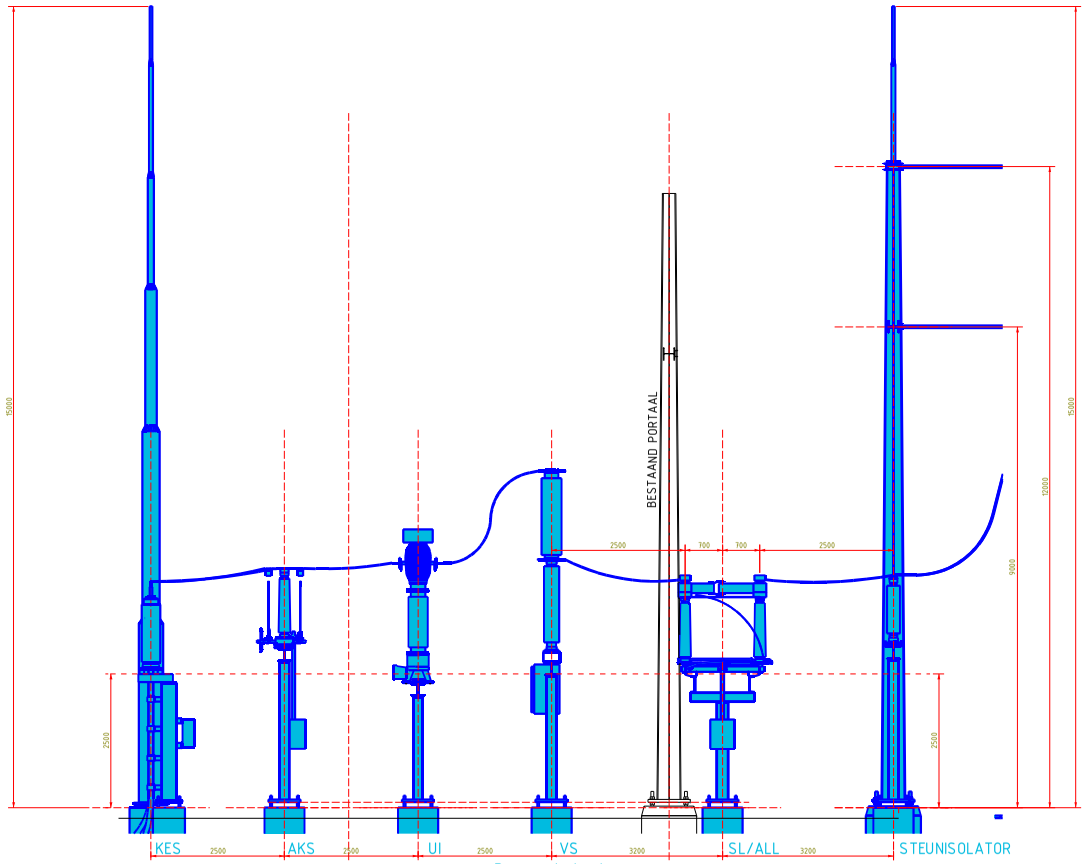
Doorsnede A – A
1:50

Project: 110kV station Eibergen – twee nieuwe trafovelden					Tekeningtitel:	
Nr.	Datum revisie	Omschrijving revisie	Gemeend	Datum Ak-Datt	Schaal	Formaat
			Ing. bur. Aafjes b.v.		150	A1
Status			Thema			
			Categorie			
			Documentstatus			
Ref. tekeningnummer:			Object ID: EBG110			
			Omschrijving: Bovenaanzicht en doorsnede trafoveld Tr 113			
			Tekeningnummer: G [8]			

Tekla Structures



Bovenaanzicht
1:50



Doorsnede A - A
1:50

110kV station Eibergen - twee nieuwe trafovelden					Tekeningtypes	
Nr.	Datum revisie	Omschrijving revisie	Gemeend	Datum Ak-Dwt	Schaal	Formaat
			Ing. bur. Aafjes b.v.		150	A1
Status			Thema			
			Categorie			
			Documentstatus			
Ref. tekeningnummer:			Object ID EBG110			
			Omschrijving Bovenaanzicht en doorsnede trafoveld Tr 114			
			Tekeningnummer: G [9]			

Tekla Structures

Situatietekening Eibergen 110kV met kadastrale percelen en -nummers

Legenda

- Portalen (nieuw)
- 110kV velden (nieuw)
- CDG en opslagruimte (nieuw)

Datum: 28-7-2021
Auteur: JWB

N

0 10 20 30 40 Meters

Kleur en materiaalstaat Centraal diensten gebouw Eibergen 110kV*

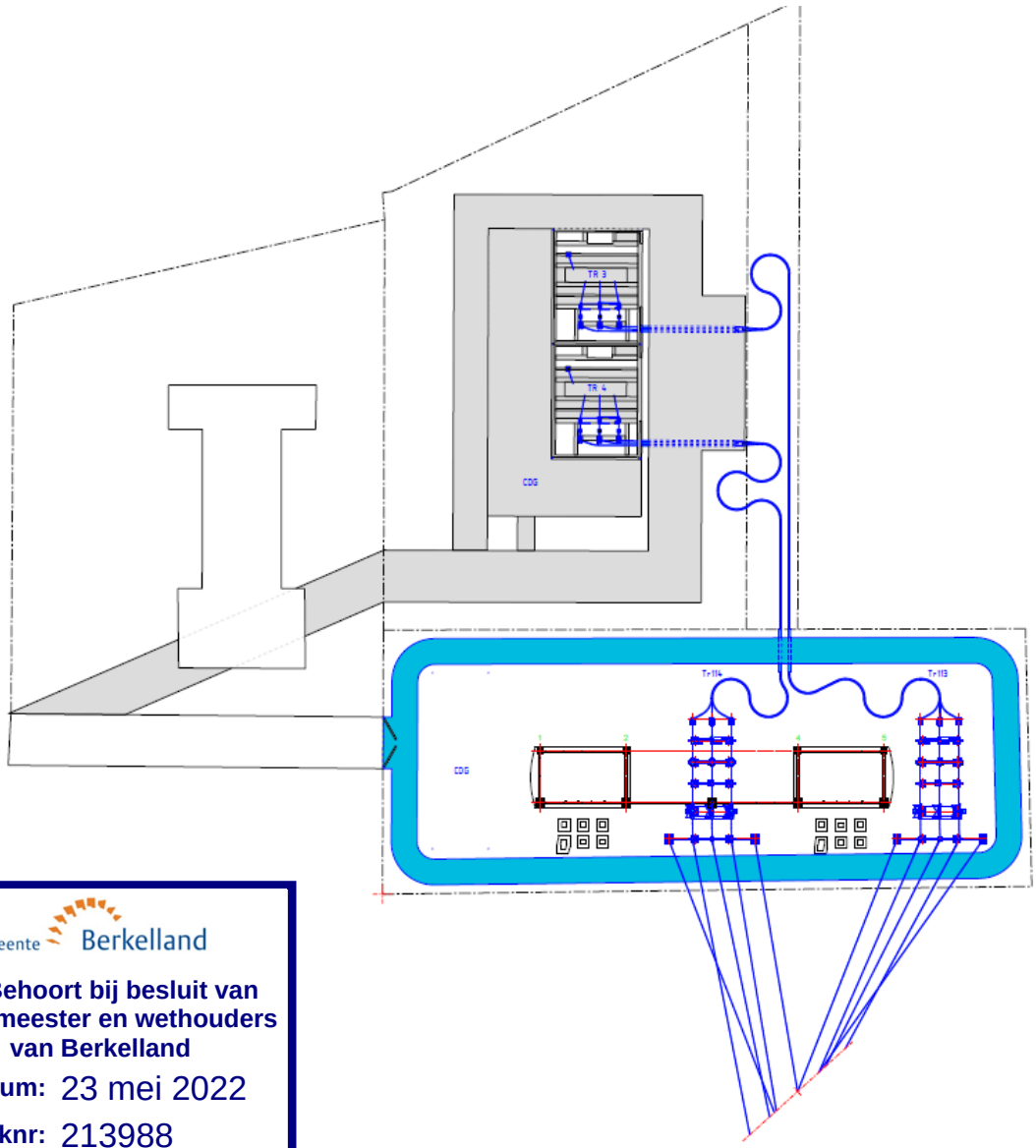
* kleur- en materiaalstaat is projectspecifiek

datum: 4 maart 2021

		element:	uitvoering:	kleur / dessin:
gevel		prefab gevel	materiaalgebruik	kleur / structuur
	1	baksteenafwerking A	leverancier / type	Baccara Blue HV, WF (kleur te bepalen naar monster)
			klasse vorstbestendigheid	F2
			initiële wateropzuigingscategorie	IW2 [matig zuigend]
		metselverband	halfsteensverband of wildverband	halfsteensverband
		voegwerk	terugliggende doorgestreken voeg	donker grijs
	2	baksteenafwerking B	leverancier / type	Aston SP WF, WF (kleur te bepalen naar monster)
			klasse vorstbestendigheid	F2
			initiële wateropzuigingscategorie	IW2 [matig zuigend]
		verband	blokverband of tegelverband	blokverband
		voegwerk	terugliggende doorgestreken voeg	donker grijs
	3	dakkap	aluminium, uitvoering geschikt als ringleiding bliksemafleiding	Ral 5003, Saffierblauw
	4	compressieband dilataties	MAVOTRANS / Mavotex 600	donker grijs
	5	HWA	Loro 100 thermisch verzinkt	verzinkt, C4
	6	noodoverloop dak (spuwers)	aluminium	Ral 5003, Saffierblauw, C4
	7	trappen / bordessen	staal thermisch verzinkt	Ral 5003, Saffierblauw, C4
	8	rooster t.b.v. vrije koeling	staal verzinkt (EMC)	Ral 5003, Saffierblauw, C4
	9	entreeluifel onderzijde	TRESPA Meteon	Ral 5003, Saffierblauw
gevelopeningen	10	geveldeurkozijn, staal	dubbele kierdichting	Ral 5003, Saffierblauw, C4
	11	geveldeur, staal	dubbele kierdichting	Ral 5003, Saffierblauw, C4
	12	gevelraamkozijn	metaal	Ral 5003, Saffierblauw, C4
	13	entreedeur	metaal	Ral 5003, Saffierblauw, C4
	14	ventilatierooster, raam	metaal	Ral 5003, Saffierblauw, C4
	15	ventilatierooster, gevel	metaal	Ral 5003, Saffierblauw, C4
	16	ventilatierooster, gevel vrije koeling	metaal	Ral 5003, Saffierblauw, C4
	17	gevelkozijn, binnenzijde	metaal	Ral 9001, Cremewit
	18	ventilatierooster raam, binnenzijde	metaal	Ral 9001, Cremewit
	19	waterslag raam met kopschot	aluminium ROVAL / Elegance o.g.	Ral 5003, Saffierblauw, C4
		kitvoeg waterslag		grijs
	20	gevellateien, staal	staal thermisch verzinkt	Ral 5003, Saffierblauw, C4
	21	isolatieglas	zon- en inbraakwerend (P6B)	neutraal
	22	prefabdorpels beton	glad	betongrijs
		kitvoeg prefab dorpel		betongrijs
binnenwandafwerking	23	stucwerk EMC-net	acrylaat muurverfsysteem	Ral 9010, reinwit
	24	wandtegelwerk sanitair	MOSA / Colors / glans	Wit/accent white, glanzend uni, 16900
		voegwerk wandtegels		wit
		uitwendige hoeken	hoekprofiel	RVS
		kitvoegen wand		wit
	25	wandtegelwerk keukenblok	MOSA / Colors / glans	17900 macaw green
		voegwerk wandtegels, keukenblok		grijs
		kitvoegen wand		grijs
	26	kelderwand	stofbinder	kleurloos
	27	plinten	MERANTI / schildersysteem	Ral 9001, cremewit
	28	kitvoegen afbouwtimmerwerk		wit
	29	Beschietingen/timmerwerk	Schildersysteem	Ral 9001, cremewit
	30	Kelderwand	Stofbinder	kleurloos
binnenwandopeningen	31	binnendeuren hout	Formica HPL	HPL Formica , F6901 Vibrant Green
		kantafwerking	VULCAN o.g.	Ral 7035, lichtgrijs
	32	kozijn binnendeuren hout, staal	plaatstaal, min. 2 mm	Ral 9001, cremewit
		afdekkap deurdranger	DORMA o.g.	zilverkleurig
		deurbeslag, rozet	VOSLUX o.g.	dikwandig, rond 51, kleur F1
		deurbeslag, deurkruk	VOSLUX o.g.	U model, 406, kleur F1
	33	binnendeuren staal	staal	Ral 6018 Geelgroen
		kozijn binnendeuren staal	staal	Ral 9001, cremewit
	34	zijlicht	veiligheidsglas	blank
	35	vensterbank	HOLONITE	Natura zwart (15)
	36	binnendeurdorpels	HOLONITE	Natura zwart (15)
vloerafwerking	37	marmoleum	FORBO / Marmoleum Real	Rust, 2767
	38	marmoleum installatievloer	FORBO / Marmoleum Ohmex	Fresco blue, 3055
	39	vloercoating	Epoxycoating	Ral7030, steengrijs
	40	tegelvloer	MOSA / Global	75520AS015015 pruisisch blauw fijn gespikkeld
		voegwerk vloertegels		grijs
	41	schoonloopmat	FORBO / CORAL Duo	9724 cafe supreme
	42	keldervloer	stofbinder	kleurloos
plafond	43	sanitaire ruimten	systeemplafond vinyl	wit
Inrichting	44	keukenblok/kasten pantry	BRUYNZEEL / Atlas	Kleur romp en deur: Atlas-betongrijs Greep: C20 CH7.
		plint keukenblok	BRUYNZEEL / Atlas	zwart
	45	aanrechtblad	RVS wafelmotief	RVS
	46	uitstortgootsteen	met achterwand en rooster	RVS
	47	sanitair / toilet	wandcloset, wastafel, porcelein	wit

Jos van Tuijn, AMN, TenneT TSO BV

Witteveen + Bos



gemeente Berkelland

Behoort bij besluit van burgemeester en wethouders van Berkelland

datum: 23 mei 2022

zaaknr: 213988

Aansluiting op 110 kV-station Eibergen

Onderzoek EM-beïnvloeding op buisleidingen en kabels rondom hoogspanningsstation Eibergen

TenneT

11 maart 2021

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1

INLEIDING

1.1 Achtergrond

Liander is van plan om de huidige aansluiting van Enexis op Eibergen over te nemen en de aanwezige 110/10kV-vermogenstransformatoren te vervangen voor vermogenstransformatoren met een grotere transformatiecapaciteit. Hiertoe worden twee transformatorvelden gebouwd door Alliander en gekoppeld aan de nieuwe transformatoren.

De plaatsing van de nieuwe vermogenstransformatoren leidt ertoe dat er zowel nieuwe hoogspanningskabels worden aangelegd als dat het huidige opstijgpunt van de transformatorvelden naar de hoogspanningsmast op station Eibergen worden verplaatst.

Door het aanleggen van de nieuwe transformatorvelden en het verplaatsen van de huidige hoogspanningslijnen is het mogelijk dat er (ontoelaatbare) EM-beïnvloeding van de rondom het station gelegen kabels en buisleidingen ontstaat. Hiertoe is het noodzakelijk om de mogelijke beïnvloeding op de rondom gelegen kabels en buisleidingen nader te onderzoeken.

1.2 Doel

Het doel van dit onderzoek is om inzicht te geven op de mogelijk te verwachten elektromagnetische beïnvloedingen op de rondom het station Eibergen gelegen leidingen. Hiertoe worden in dit onderzoek conform NEN 3654 stappen 1 en 2 voor de EM-beïnvloedingsstudie voltooid.

De volgende onderzoeksvragen worden nader behandeld:
- kunnen er ontoelaatbare hoge spanningen geïnduceerd worden op rondom gelegen (signaal)kabels en buisleidingen;
- kunnen rondom gelegen objecten ontoelaatbaar worden opgeladen door aanwezige elektrische velden;
- kunnen er ontoelaatbare overbruggingsspanningen ontstaan op rondom gelegen (signaal)kabels en buisleidingen als gevolg van weerstandsbeïnvloeding.

1.3 Leeswijzer

In hoofdstuk 2 zijn de uitgangspunten opgenomen waaronder dit onderzoek is uitgevoerd. Hoofdstuk 3 beschouwt de resultaten van diverse mogelijke EM-beïnvloedingen. De conclusies worden beschreven in hoofdstuk 4.

2

UITGANGSPUNTEN

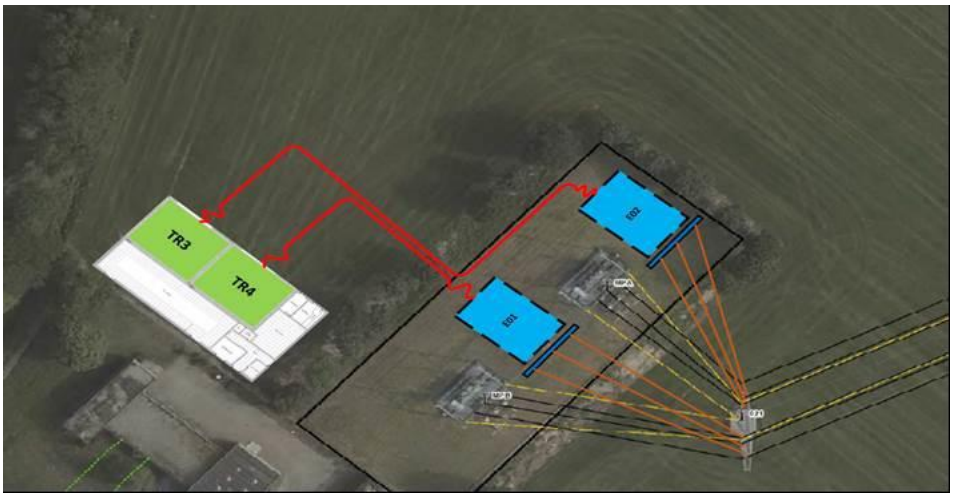
In dit hoofdstuk worden de uitgangspunten beschreven voor het onderzoek naar de beïnvloeding van de (signaal)kabels en buisleidingen rondom het hoogspanningsstation Eibergen.

2.1 Gegevens station Eibergen

Het hoogspanningsstation Eibergen betreft een 110 kV station aan het einde van de hoogspanningsverbinding tussen Haakbergen en Eibergen. Liander is van plan om de bestaande 110 kV/10 kV 20 MVA transformatoren te vervangen voor nieuwe 110 kV/10 kV 50 MVA transformatoren.

Afbeelding 2.1 geeft de scope van het project weer, met in groen de positie van de nieuwe transformatoren en in blauw de positie van de nieuwe transformatorvelden.

Afbeelding 2.1 Hoogspanningsstation Eibergen



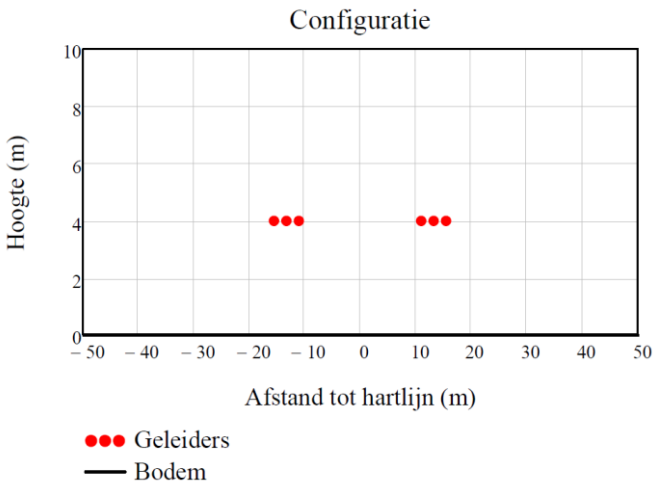
2.2 Hoogspanningssystemen

Binnen de scope van het project behoren verschillende hoogspanningssystemen die kunnen worden gecategoriseerd in drie categorieën, namelijk:
- railverbindingen met bijbehorende opstijgpunten;
- hoogspanningskabels naar de nieuwe transformatoren;
- hoogspanningslijnen gekoppeld aan hoogspanningsmast 21.

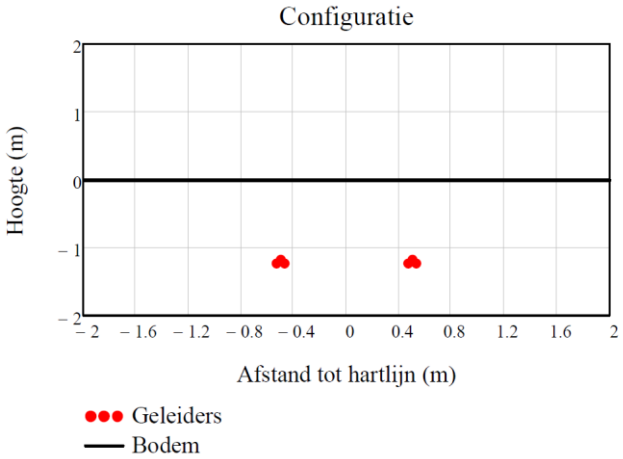
Het ontwerp voor de railverbindingen en hoogspanningskabels is opgenomen in Bijlage I. De dwarsconfiguraties voor de railverbindingen en de hoogspanningskabels zijn weergegeven in afbeelding 2.2 en Afbeelding 2.3afbeelding 2.3 respectievelijk. Zoals weergegeven in afbeelding 2.1 zijn er twee hoogspanningskabels (in rood).

De beïnvloedingsstudie wordt separaat voor deze kabels uitgevoerd, omdat de lengte en ligging verschillend is. Daarom worden de twee hoogspanningskabels in dit rapport beschreven als hoogspanningskabel lang en hoogspanningskabel kort, waarbij hoogspanningskabel lang de hoogspanningskabel met de grootste lengte is.

Afbeelding 2.2 Geleider configuratie railverbindingen

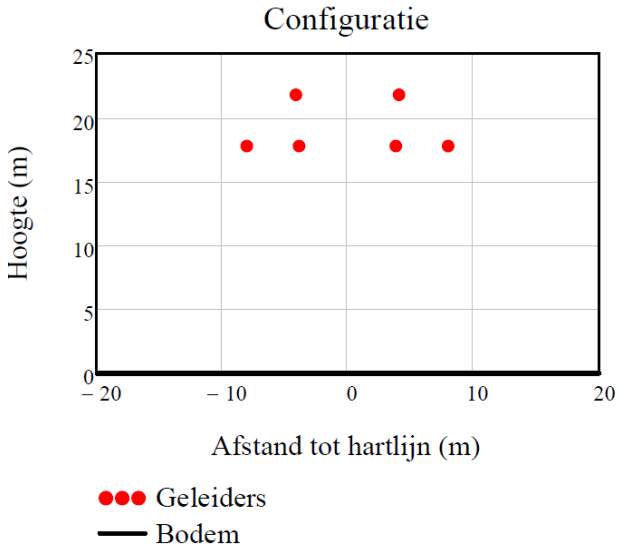


Afbeelding 2.3 Geleider configuratie hoogspanningskabels



In deze studie wordt ook onderzoek gedaan naar de elektromagnetische velden rondom het hoogspanningsstation. Om de juiste elektromagnetische velden te berekenen is onder andere de geleider configuratie benodigd van de hoogspanningslijnen die gekoppeld zijn aan hoogspanningsmast 21. Afbeelding 2.4 geeft deze geleider configuratie weer.

Afbeelding 2.4 Geleider configuratie hoogspanningslijnen gekoppeld aan hoogspanningsmast 21



2.3 Ontoelaatbare overbruggingsspanningen

Voor het hoogspanningsstation Eibergen wordt onderzocht of er door elektromagnetische beïnvloeding ontoelaatbare overbruggingsspanningen kunnen optreden in de rondom het station gelegen buisleidingen en kabels. De overbruggingsspanningen die kunnen worden getolereerd zijn afhankelijk van de tijdsduur van de dergelijke overbruggingsspanning. Dit houdt in dat de spanningen vermeld in tabel 2.1 toelaatbaar zijn voor een gegeven foutsituatie, overeenkomstig Tabel 1 in norm NEN 3654.

Tabel 2.1 Toelaatbare overbruggingsspanningen

Afschakeltijd (s)	Toelaatbare overbruggingsspanning (V)
≤ 0,1	1500
0,2	750
0,3	500
0,5	300
0,7	200
0,9	100
≥ 1,0 (indien er sprake is van kortsluitsituatie)	50
≥ 1,0 (indien er geen sprake is van een kortsluitsituatie)	25

2.4 Gegevens kabels en buisleidingen

Op en rondom het terrein van het hoogspanningsstation liggen diverse ondergrondse (signaal)kabels en leidingen. Deze kabels en leidingen zijn gedocumenteerd in de ontvangen documentatie van TenneT (klic-melding 20O092704-1, zie Bijlage II). In dit onderzoek zullen de aanwezige signaalkabels en buisleidingen onderzocht worden op mogelijk ontoelaatbare beïnvloeding. De beïnvloeding van Liander middenspannings- en laagspanningskabels zijn niet meegenomen in het onderzoek, aangezien deze kabels van zichzelf al spanningen voeren die de ontoelaatbare overbrugspanningen overschrijden en de beïnvloeding door de hoogspanningssystemen dit niet wezenlijk verandert.

De volgende buisleidingen worden nader onderzocht op ontoelaatbare beïnvloeding:
- Liander gas lage druk;
- gemeente Berkelland riool onder over- of onderdruk;
- gemeente Berkelland riool vrijverval;
- Vitens water.

De volgende kabels worden nader onderzocht op ontoelaatbare beïnvloeding:
- Cif NKM Network Services B.V. datatransport;
- KPN B.V. datatransport, opgedeeld in drie aparte kabels;
- Ziggo B.V. datatransport, opgedeeld in twee aparte kabels;
- TenneT Tso datatransport.

2.5 Beïnvloedingsmechanismen

Voor de genoemde kabels en leidingen zullen de onderstaande beïnvloedingsmechanismen worden onderzocht, namelijk capacitieve beïnvloeding, weerstandsbeïnvloeding en inductieve beïnvloeding.

2.5.1 Capacitieve beïnvloeding

Een object kan capacitief beïnvloed worden wanneer het wordt blootgesteld aan sterke elektrische velden. Wanneer het object bovengronds en geïsoleerd opgesteld staat, ontstaat er een capacitieve spanningsdeling door de capaciteit tussen het object en het hoogspanningssysteem en de capaciteit tussen het object en de aarde. Hierdoor verzamelt zich op het object een lading, waardoor het object een spanning voert.

Voor de te beschouwen objecten geldt dat alleen het hekwerk van het station bovengronds opgesteld staat, waarvoor de capacitieve beïnvloeding bepaald dient te worden.

2.5.2 Weerstandsbeïnvloeding

Indien een stroom uit de hoogspanningsinstallatie wegvloeit naar de bodem ontstaat er in de bodem een potentiaalverloop door de eindige weerstand van de bodem. Het potentiaalverloop vormt een zogenaamde potentiaaltrechter, waarbij het gevaar bestaat dat er ontoelaatbare overbruggingsspanningen ontstaan wanneer een beïnvloedbaar object zich (deels) in de potentiaaltrechter bevindt.

2.5.3 Inductieve beïnvloeding

Door de elektromagnetische koppeling tussen de hoogspanningslijnen en -kabels en (metalen) objecten, zoals kabels en leidingen, ontstaat inductieve beïnvloeding. Door deze koppeling kunnen ontoelaatbare overbruggingsspanningen optreden op de kabels en leidingen rondom het hoogspanningsstation.

Via het stappenplan beschreven in tabel 4 van norm NEN 3654 moet worden vastgesteld of er sprake is van ontoelaatbare inductieve beïnvloeding. Deze studie beperkt zich tot de eerste twee stappen, waarbij wordt bepaald of er detailberekeningen nodig zijn om te bepalen of ontoelaatbare spanningen kunnen optreden.

Stap 1: Meten parallelloop en afstand
Stap 1 bestaat uit het meten van de parallelloop van verschillende kabels en buisleidingen en de afstand hiervan tot de hoogspanningslijnen en -kabels. Deze metingen dienen vergeleken te worden met figuren 2 en 3 uit de norm NEN 3654. Hieruit kan geconcludeerd worden of overgegaan moet worden naar stap 2.

Stap 2 Unity Check (UC)

Voor stap 2 dient voor zowel de hoogspanningslijnen als -kabels een Unity Check uitgevoerd te worden. In Bijlage C van NEN 3654 is de Unity Check voor buisleidingen als volgt opgenomen:

$$UC_l = l \times K_1 \times [log(K_2) - log(a)],$$

Waarbij l de lengte is van de parallelloop (in km), a de onderlinge hart-op-hart afstand tussen buisleiding en hoogspanningssysteem (lijn of kabel) horizontaal gemeten in m, K_1 een constante afhankelijk van het hoogspanningssysteem en, K_2 het beïnvloedingsgebied van het hoogspanningssysteem (in m).

Voor dit onderzoek worden verschillende hoogspanningssystemen gehanteerd. Binnen de scope van het project vallen de hoogspanningskabels naar de nieuwe transformatoren en de hoogspanningslijn van de mast naar de transformatorvelden en de railverbindingen. Voor beide systemen dienen andere parameters voor K_1 en K_2 gehanteerd te worden. De waardes die gehanteerd worden voor de railverbindingen en de hoogspanningslijn zijn gegeven in tabel 2.2, conform de geometrie lijn horizontaal (2 circuits, 110 kV, code L02) uit tabel C.1 uit de norm NEN 3654.

Tabel 2.2 K-waardes voor Lijn horizontaal 2 circuits conform NEN 3654 code L02

Omschrijving	K_1 (-)	K_2 (m)
normaal bedrijf	3,825	427
corrosie	2,391	427
éénfase kortsluiting	8,608	1697
onderhoud (N-1)	5,688	550

Voor de 110 kV hoogspanningskabels zijn er in Tabel C.1 uit de norm NEN 3654 geen specifieke waardes gegeven. Er zijn wel waardes voor K_1 en K_2 gegeven voor hoogspanningskabels van 10-50 kV (kabels in driehoekligging, code K03) en voor hoogspanningskabels van 150-400 kV (kabels in driehoekligging, code K04). Aangezien er geen specifieke waardes voor 110 kV hoogspanningskabels gegeven zijn, dient van de worst-case situatie uitgegaan te worden.

De worst-case wordt voor hoogspanningskabels in driehoekligging gedomineerd door de één-fase kortsluiting, waarbij de waardes voor K_1 en K_2 veel groter zijn dan in de andere bedrijven. In de berekening voor de Unity Check zal dan ook de kritieke waarde van UC = 1 als eerste worden overschreden bij één-fase kortsluiting. Gegeven dat de waardes voor K_1 en K_2 voor de één-fase kortsluiting groter zijn voor hoogspanningskabels van 10-50 kV (code K03) dan voor hoogspanningskabels van 150-400 kV (code K04) is gekozen om in deze studie de waardes te hanteren die gelden voor hoogspanningskabels van 10-50 kV. De waardes voor K_1 en K_2 in andere bedrijven dan één-fase kortsluiting zijn voor hoogspanningskabels van 150-400 kV weliswaar groter, maar leiden niet eerder tot een UC van boven de één ten opzichte van de één-fase kortsluiting. Tabel 2.3 geeft de gebruikte waardes voor K_1 en K_2 weer voor de 110 kV hoogspanningskabels.

Tabel 2.3 K-waardes voor een kabel in een driehoekligging 10-50 kV

Omschrijving	K_1 (-)	K_2 (m)
normaal bedrijf	0,043	344
corrosie	0,025	400
éénfase kortsluiting	19,355	1276
onderhoud (N-1)	0,043	344

Unity Check kabels

In NEN 3654 is enkel de methode gegeven om de Unity Check te bepalen van buisleidingen en niet van kabels. Om de UC te bepalen van kabels wordt gebruik gemaakt van ProRail-richtlijn RLN00134. RLN00134 beschrijft twee fases waarin de Unity Check bepaald kan worden, waarbij in dit onderzoek fase 1 wordt toegepast. Op basis van RLN00134 kan de Unity Check voor kabels als volgt herleid worden:

$$UC_k = UC_l \times \mathrm{f_b} \times f_{kabels} \times f_{immuun} \times Z_t,$$

Waarbij UC_k de Unity Check is voor kabels, UC_l de Unity Check voor leidingen, $\mathrm{f_b}$ een correctiefactor afhankelijk van het soort installatie, f_{kabels} een correctiefactor die afhankelijk is van de kabels (manteldoorsnede, aantal, etc.), f_{immuun} een correctiefactor die afhankelijk is van het immuniteitsniveau van de beïnvloede kabel(s) en Z_t de transferimpedantie van de kabel.

Voor kabels moet rekening worden gehouden met zowel common mode (CM) als differential mode (DM) spanningen. De CM- en DM-spanningen zijn in dit geval aanraak- en stoorspanningen en kunnen onder meer leiden tot functieverlies van de aangesloten installaties. Voor de beoordeling wordt uitgegaan van een worst-case scenario voor immuniteit en kabeltype door het beschouwen van niet-afgeschermde, éénzijdig geaarde kabels.

$\mathrm{f_b}$ is een parameter die wordt toegepast om aan te geven wat voor installaties worden beïnvloed. Zo zijn volgens NEN 1010-4 lagere toelaatbare aanrakingsspanningen aanvaardbaar voor installaties ten behoeve van sauna's, zwembaden, wasruimtes etc. Voor deze installaties dien $\mathrm{f_b} = 2$ aangenomen te worden voor normaal bedrijf en $\mathrm{f_b} = 1{,}91$ aangenomen te worden voor kortsluiting. Conform RLN00134 dient tijdens een fase 1 analyse uitgegaan te worden van een installatie waar lagere toelaatbare spanningen aanvaardbaar zijn.

Voor de parameter f_{kabels} wordt voor CM-spanningen in fase 1 (grove benadering, uitgaande van worst-case scenario's) gerekend met waarde 1. Voor DM-spanningen geldt voor fase 1 de volgende formule:

$$f_{kabels} = [9{,}1417 \times ln(A_{bundel}) + 3{,}3115] \times \left(\frac{A_{kabel}}{A_{bundel}}\right) \times \frac{1}{11{,}69},$$

Waarbij A_{kabel} en A_{bundel} de Cu-equivalent manteldoorsnede (inclusief eventuele meervoudig geaarde aders) zijn van respectievelijk de afzonderlijke kabel in de kabelbundel en de kabelbundel in mm^2. Conform RLN00134 wordt voor fase 1 voor het bepalen van f_{kabels} gerekend met $A_{kabels} = A_{bundel} = 25$ mm^2 (telecomkabel met stergroepen).

De immuniteitsfactor f_{immuun} wordt voor CM-spanningen in fase 1 niet nader beschouwd, omdat het criterium voor aanraakveiligheid altijd hoger ligt dan de eis ten aanzien van CM-spanningen. Aangezien in fase 1 nog niet bekend is welke installaties precies worden beïnvloed, wordt voor DM-spanningen aangenomen dat het telecominstallaties betreffen. Voor installaties met analoge signaaloverdracht (telecom) geldt voor DM-immuniteit (bij 50 Hz) een spanning van 1 $\mathrm{mV_{psofometrisch}}$=9,3 $\mathrm{mV_{rms}}$. Voor de parameter f_{immuun} geldt dan:

$$f_{immuun} = \begin{cases} \dfrac{50}{x_3 f_b}, & \text{bij normaal bedrijf,} \\ \dfrac{185}{x_4 f_b}, & \text{bij kortsluiting,} \end{cases}$$

waarbij $x_3 = 9{,}3 \cdot 10^{-3}$, $x_4 = 6 * 9{,}3 \cdot 10^{-3}$ en $f_b = 2$ bij normaal bedrijf en $\mathrm{f_b} = 1{,}91$ bij kortsluiting voor een fase 1 analyse.

Z_t is de transferimpedantie van de kabel en heeft voor CM-spanningen in fase 1 de waarde 1. In het geval van DM-spanningen wordt uitgegaan van een telecomkabel, die slecht tot matig is afgeschermd ($Z_t = 10\ \mathrm{m\Omega/km}$.

Vanuit RLN00134 volgen de waarden in Tabel 2.4 voor de parameters f_b, f_{kabels}, f_{immuun} en Z_t.

Tabel 2.4 Parameters UC kabels

Parameter	Common mode (CM)		Differential mode (DM)	
	normaal bedrijf	éénfase kortsluiting	normaal bedrijf	éénfase kortsluiting
f_b	2	1,91	2	1,91
f_{kabels}	1	1	2,80	2,80
f_{immuun}	1	1	2688	1736
Z_t	1	1	0,01	0,01

Wisselstroomcorrosie

Door elektromagnetische beïnvloeding kunnen wisselstromen ontstaan in buisleidingen. Deze wisselstromen tasten mogelijk de buisleidingen aan door wisselstroomcorrosie. De kans op schade door wisselstroomcorrosie is onder meer afhankelijk van de langdurig gemiddelde wisselspanning op een buisleiding en de bodemweerstand rondom de buisleiding. In norm NEN 3654 is naast de Unity Check voor ontoelaatbare overbruggingsspanningen ook een check opgenomen om in te schatten of er ontoelaatbare wisselstroomcorrosie kan optreden.

Wisselstroomcorrosie is een fenomeen wat vooral effect heeft op buisleidingen. Daarom wordt de check op wisselstroomcorrosie alleen uitgevoerd voor de buisleidingen en niet voor de kabels.

2.6 Thermische beïnvloeding

Buisleidingen kunnen nadelig worden beïnvloed indien de temperatuur van de omringende bodem sterk afwijkt van de normaal te verwachten bodemtemperatuur. Thermische beïnvloeding wordt veroorzaakt door de stroom door hoogspanningskabels, wat resulteert in een verhoogde bodemtemperatuur. Door de verhoogde bodemtemperatuur kunnen buisleidingen schade ondervinden in de vorm van onder andere coatingdegradatie en een verhoogde corrosiesnelheid.

Wanneer de afstand tussen hoogspanningskabels en buisleidingen meer dan tien meter bedraagt is volgens NEN 3654 de thermische beïnvloeding verwaarloosbaar. Voor het hoogspanningsstation Eibergen geldt dat er geen buisleidingen zich bevinden op een afstand van minder dan tien meter van de hoogspanningskabels. Om die reden kan thermische beïnvloeding als verwaarloosbaar worden beschouwd en wordt niet verder uitgewerkt in dit rapport.

2.7 Elektrische en magnetische veldsterkte

Doordat er stromen lopen door de hoogspanningslijnen ontstaan er elektromagnetische velden rondom de lijnen en het station. Deze magnetische velden kunnen naast de beïnvloeding van kabels en buisleidingen ook invloed hebben op de gezondheid en dienen daarom niet gevaarlijke veldsterktes aan te nemen. Volgens de Aanbeveling van de Raad 1999/519/EG mogen de veldsterktes niet de limietwaarden uit tabel 2.5 overschrijden om nadelige effecten op de gezondheid te voorkomen.

Voor een juiste evaluatie worden de 100 µT en 5 kV/m veldsterktes geëvalueerd op een hoogte van nul en twee meter, aangezien hierin de hoogte van een persoon valt.

Tabel 2.5 Basisrestricties velden

Veldtype	Grenswaarde
elektrisch	5 kV/m
magnetisch	100 µT

2.7.1 0,4 microteslazone

De RIVM Handreiking is onderdeel van het vigerende overheidsbeleid met betrekking tot de magneetvelden van bovengrondse hoogspanningslijnen. In dit beleid wordt gesteld dat zoveel als redelijkerwijs mogelijk situaties worden voorkomen waarin mensen langdurig worden blootgesteld aan magneetvelden boven de 0,4 µT jaargemiddeld. De reden hiervoor is dat er een zwak statistisch verband is vastgesteld tussen de langdurige blootstelling aan magneetvelden met deze veldsterktes en een verhoogd risico op kinderleukemie.

In dit onderzoek wordt ter indicatie van de 0,4 microteslazone een grove berekening uitgevoerd naar de 0,4 µT contour rondom het hoogspanningsstation. De hoogte waarop de magnetische veldsterkte wordt geëvalueerd is voor de 0,4 microteslazone één meter hoog.

2.8 EMC van apparatuur

De immuniteit van apparatuur voor magnetische velden bedraagt 30 A/m voor industriële omgevingen conform NEN-EN-IEC 61000-6-2 (Tabel 1, Power-frequency magnetic field). De sterkte van het magnetisch veld op het hoogspanningsstation mag deze waarde daartoe niet overschrijden.

Voor residentiële omgevingen bedraagt de immuniteit van apparatuur voor magnetische velden 3 A/m conform NEN-EN-IEC 61000-6-1 (Tabel 1, Power-frequency magnetic field). Buiten het terrein van het hoogspanningsstation dient deze waarde niet te worden overschreden.

In dit onderzoek wordt het magnetisch veld geëvalueerd om te bepalen of de limietwaarde al dan niet wordt overschreden (weergegeven in tabel 2.6).

Tabel 2.6 Toelaatbaar magnetisch veld voor omgevingen

Mechanisme	Toelaatbaar magnetisch veld (A/m)
power-frequency magnetic field (industrieel)	30
power-frequency magnetic field (residentieel)	3

3

BESCHOUWINGEN

3.1 Capacitieve beïnvloeding

Tabel 3.1 geeft het stappenplan voor het bepalen van capacitieve beïnvloeding weer conform NEN 3654. Volgens dit stappenplan dient gekeken te worden naar de bovengrondse objecten rondom het hoogspanningsstation.

Alle buisleidingen en kabels rondom het hoogspanningsstation liggen ondergronds en worden om die reden niet capacitief beïnvloed door de hoogspanningslijnen en -kabels. Van de bovengrondse objecten bevindt enkel het hekwerk rondom het hoogspanningsstation zich in de zones, zoals aangegeven in tabel 3.1 Dit betekent dat er mogelijk onaanvaardbare spanningen op het hekwerk kunnen ontstaan door capacitieve beïnvloeding. Het hekwerk kan alleen een spanning opbouwen wanneer het geïsoleerd staat opgesteld. De verwachting is dat het hekwerk goed geaard is, waardoor de capacitieve beïnvloeding verwaarloosbaar is.

Tabel 3.1 Criteria capacitieve beïnvloeding conform NEN 3654

Type	Stap 1	Stap 2
HSP-lijnen	alleen in geval van bovengrondse buisleiding en afstand tot hart lijn van het tracé < 50 m dan is vervolgstap noodzakelijk	niet van toepassing (er is geen mogelijkheid om eenzijdig een verdieping te doen)
HSP-kabels	niet van toepassing	niet van toepassing
HSP-stations	alleen in geval van bovengrondse buisleiding en afstand tot grens HSP-station < 25 m dan is vervolgstap noodzakelijk	niet van toepassing (er is geen mogelijkheid om eenzijdig een verdieping te doen)

3.2 Weerstandsbeïnvloeding

Tabel 3.2 geeft het stappenplan voor het bepalen van weerstandsbeïnvloeding weer conform NEN 3654. Voor stap 1 van hoogspanningsstations moet gekeken worden of er kabels en/of buisleidingen dichter dan 500 meter in de buurt van het station liggen. Van de uit de klic-gegevens bekende kabels en buisleidingen liggen alle kabels en buisleidingen op een afstand van minder dan 500 meter van het station en stap 2 dient ondernomen te worden.

Tabel 3.2 Criteria weerstandsbeïnvloeding conform NEN 3654

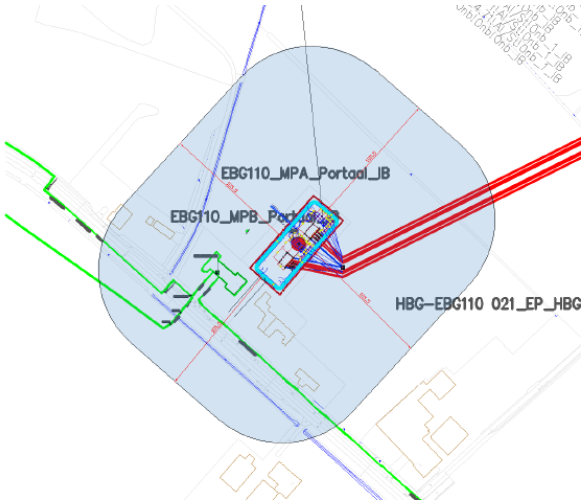
Type	Stap 1	Stap 2
HSP-lijnen	alleen in geval van afstand buisleiding tot hart lijn van het tracé < 50 m dan is vervolgstap noodzakelijk	alleen in geval van afstand buisleiding tot mast < 50 m dan is vervolgstap noodzakelijk
HSP-kabels	alleen in geval van afstand buisleiding tot hart kabeltracé < 30 m dan is vervolgstap noodzakelijk	alleen in geval van afstand buisleiding tot aarding kabelsysteem < 30 m dan is vervolgstap noodzakelijk
HSP-stations	alleen in geval van afstand buisleiding tot grens HSP-station < 500 m dan is vervolgstap noodzakelijk	alleen in geval van afstand buisleiding tot grens HSP-station < Halve omtrek grens HSP-station dan is vervolgstap noodzakelijk

Tabel 3.2 laat zien dat voor een hoogspanningsstation verdere vervolgstappen ondernomen moeten worden wanneer de afstand tussen een buisleiding tot de grens van het hoogspanningsstation minder is dan de helft van de omtrek van het hoogspanningsstation. Als grens voor het hoogspanningsstation behoort ter indicatie het hekwerk te worden aangehouden. Tevens dient het hekwerk aangehouden te worden voor het bepalen van de omtrek van het hoogspanningsstation.

Afbeelding 3.1 Bepalen omtrek hoogspanningsstation

Wanneer als omtrek van het hoogspanningsstation afbeelding 3.1 wordt gehanteerd, kan de omtrek van het hoogspanningsstation bepaald worden als 211 meter. Dit betekent dat voor alle kabels en buisleidingen die op een afstand minder dan 105,5 meter van de grens van het station liggen, vervolgstappen noodzakelijk zijn. Afbeelding 3.2 geeft grafisch het gebied weer om het hoogspanningsstation waarin vervolgstappen voor weerstandsbeïnvloeding noodzakelijk zijn. De volledige tekening is opgenomen in Bijlage III. Alle uit de klic-gegevens bekende kabels en buisleidingen bevinden zich (gedeeltelijk) binnen het getoonde gebied van afbeelding 3.2. Daarnaast liggen er drie panden binnen het gebied van mogelijk ontoelaatbare weerstandsbeïnvloeding. Dit betekent dat vervolgstappen voor het bepalen van weerstandsbeïnvloeding noodzakelijk zijn.

Afbeelding 3.2 Weerstandsbeïnvloedingsgebied conform stap 2 uit norm NEN 3654



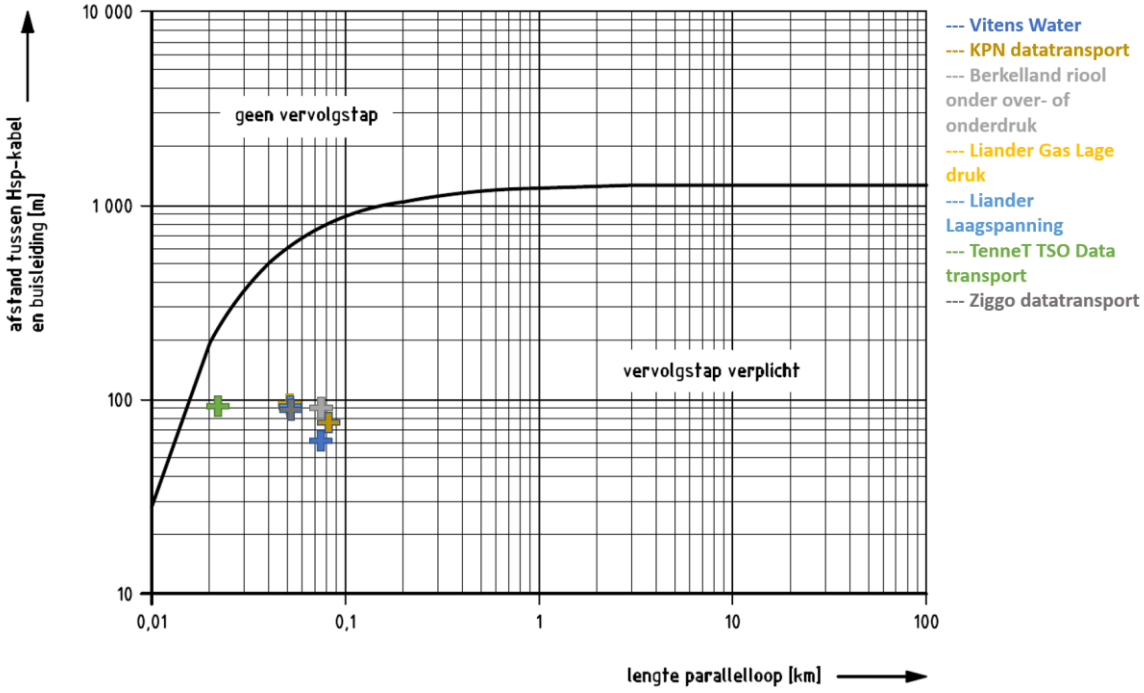
3.3 Inductieve beïnvloeding

Via het stappenplan beschreven in tabel 4 van norm NEN 3654 moet worden vastgesteld of er sprake is van ontoelaatbare inductieve beïnvloeding.

3.3.1 Stap 1

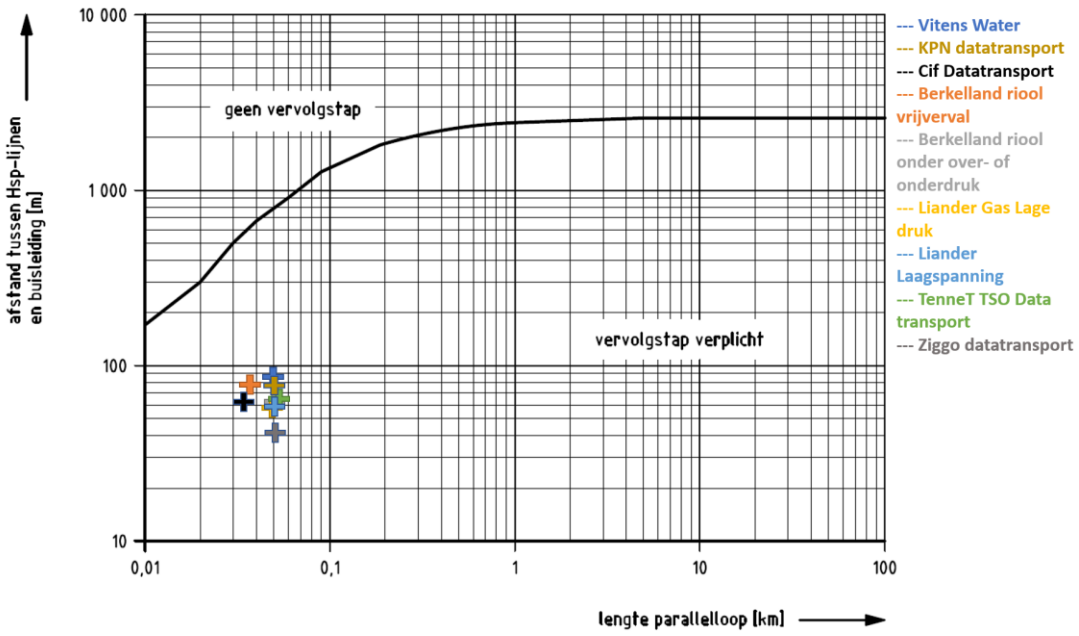
Afbeelding 3.3 laat stap 1 conform NEN 3654 zien voor inductieve beïnvloeding door hoogspanningskabels. Hieruit moet geconcludeerd worden dat stap 2 uitgevoerd moet worden voor alle kabels en buisleidingen die een parallelloop hebben met de railverbindingen en opstijgpunten.

Afbeelding 3.3 Criteria inductieve beïnvloeding door hoogspanningskabels conform NEN 3654



Afbeelding 3.4 laat stap 1 conform NEN 3654 zien voor inductieve beïnvloeding door hoogspanningslijnen. Hieruit moet geconcludeerd worden dat stap 2 uitgevoerd moet worden voor alle kabels en buisleidingen die een parallelloop hebben met de railverbindingen.

Afbeelding 3.4 Criteria inductieve beïnvloeding hoogspanningslijnen conform NEN 3654



3.3.2 Stap 2 Unity check

Unity Check buisleidingen

In tabel 3.3 is de uitgevoerde Unity Check weergegeven voor de beïnvloeding van diverse buisleidingen rondom het hoogspanningsstation Eibergen door de railverbindingen en opstijgpunten. Op basis van de Unity Check kan geconcludeerd worden dat de verschillende buisleidingen hierdoor niet ontoelaatbaar worden beïnvloed.

Tabel 3.3 Unity Check buisleidingen hoogspanningslijn

Omschrijving	Parallelloop (m)	Onderlinge afstand (m)	Normaal bedrijf	Corrosie	Eénfase kortsluiting	Onderhoud (N-1)
Liander gas lage druk	50,4	63,1	0,16	0,10	0,62	0,27
gemeente Berkelland riool onder over- of onderdruk	51,7	69,6	0,16	0,10	0,62	0,26
gemeente Berkelland riool vrijverval	37,2	64,3	0,12	0,07	0,46	0,20
Vitens Water	51,7	68,9	0,16	0,10	0,62	0,27

Tabel 3.4 en tabel 3.5 geven de uitgevoerde Unity Check weer voor de beïnvloeding van diverse buisleidingen rondom het hoogspanningsstation Eibergen door de hoogspanningskabels naar de nieuwe transformatoren. Op basis van deze tabellen kan geconcludeerd worden dat vervolgstappen nodig zijn voor alle buisleidingen op het riool vrijverval van Gemeente Berkelland na. De UC voor de éénfase kortsluiting is voor de buisleidingen hoger dan 1, waardoor conform NEN3654 vervolgstappen nodig zijn.

Tabel 3.4 Unity Check buisleidingen hoogspanningskabel kort

Omschrijving	Parallelloop (m)	Onderlinge afstand (m)	Normaal bedrijf	Corrosie	Eénfase kortsluiting	Onderhoud (N-1)
Liander gas lage druk	30,1	75,4	0,0009	0,0005	0,72	0,0008
gemeente Berkelland riool onder over- of onderdruk	53,4	62,0	0,002	0,001	1,36	0,002
gemeente Berkelland riool vrijverval	0	-	-	-	-	-
Vitens Water	53,4	59,8	0,002	0,001	1,37	0,002

Tabel 3.5 Unity Check buisleidingen hoogspanningskabel lang

Omschrijving	Parallelloop (m)	Onderlinge afstand (m)	Normaal bedrijf	Corrosie	Eénfase kortsluiting	Onderhoud (N-1)
Liander gas lage druk	52	76,1	0,001	0,0009	1,2	0,001
gemeente Berkelland riool onder over- of onderdruk	76,2	59,7	0,002	0,002	1,96	0,002
gemeente Berkelland riool vrijverval	0	-	-	-	-	-
Vitens Water	76,2	61,2	0,002	0,002	1,95	0,002

Unity Check (signaal)kabels

In tabel 3.6 is de uitgevoerde Unity Check weergegeven voor de verschillende kabels rondom het hoogspanningsstation Eibergen als gevolg van de hoogspanningslijn. Uit deze tabel blijkt dat voor alle kabels die een parallelloop met de railverbindingen en opstijgpunten hebben vervolgstappen nodig zijn, omdat de UC een waarde boven de 1 heeft.

Tabel 3.6 Unity Check kabels hoogspanningslijn

Omschrijving	Parallelloop (m)	Onderlinge afstand (m)	Maximale UC (aanraak)	Maximale UC (CM)	Maximale UC (DM)
Cif NKM Network Services datatransport	33,2	65,7	0,40	0,77	37,47
KPN datatransport 1	51,7	68,9	0,61	1,18	57,49
KPN datatransport 2	51,7	65,9	0,63	1,20	58,28
KPN datatransport 3	51,7	93,2	0,56	1,07	52,07
Ziggo datatransport 1	51,7	32,1	0,77	1,46	71,2
Ziggo datatransport 2	0	-	--	-	-
TenneT TSO datatransport	51,7	62,1	0,64	1,22	59,35

In tabel 3.7 en tabel 3.8 zijn de Unity Check berekeningen weergegeven voor de verschillende kabels rondom het hoogspanningsstation Eibergen als gevolg van de verschillende hoogspanningskabels. Uit deze tabellen blijkt dat voor alle kabels met uitzondering van de kabel in beheer van Cif NKM Network Services B.V. vervolgstappen noodzakelijk zijn.

Tabel 3.7 Unity Check kabels hoogspanningskabel kort

Omschrijving	Parallelloop (m)	Onderlinge afstand (m)	Maximale UC (aanraak)	Maximale UC (CM)	Maximale UC (DM)
Cif NKM Network Services datatransport	0	-	-	-	-
KPN datatransport 1	30,1	76,5	0,71	1,36	66,10
KPN datatransport 2	63,2	54,2	1,68	3,20	155,77
KPN datatransport 3	30,1	99,4	0,65	1,23	59,96
Ziggo datatransport 1	21	37,8	0,62	1,19	57,69
Ziggo datatransport 2	30,1	72,1	0,73	1,39	67,50
TenneT TSO datatransport	23	72,1	0,56	1,06	51,58

Tabel 3.8 Unity Check kabels hoogspanningskabel lang

Omschrijving	Parallelloop (m)	Onderlinge afstand (m)	Maximale UC (aanraak)	Maximale UC (CM)	Maximale UC (DM)
Cif NKM Network Services datatransport	0	-	-	-	-
KPN datatransport 1	52	77,3	1,22	2,34	113,8
KPN datatransport 2	118,6	53,7	3,16	6,03	293,27
KPN datatransport 3	52	100,2	1,11	2,12	103,27
Ziggo datatransport 1	21	38,5	0,62	1,18	57,36
Ziggo datatransport 2	52	72,9	1,25	2,39	116,18
TenneT TSO datatransport	23	72,9	0,55	1,06	51,38

3.4 Elektromagnetische velden

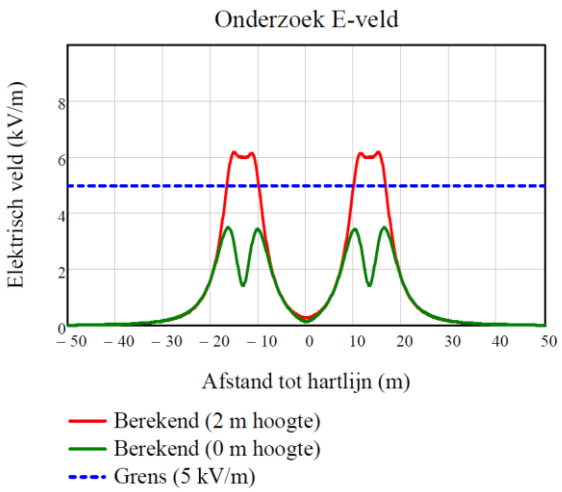
Om de veiligheid van personen te waarborgen zijn berekeningen uitgevoerd ter indicatie van de elektrische en magnetische velden. Om een grove inschatting te geven of de veldsterktes de limietwaardes overschrijden is hierbij gewerkt met een 2D-benadering. Uit deze 2D-benadering kan bepaald worden of een meer gedetailleerde analyse noodzakelijk is.

3.4.1 5 kV/m contour

Om te bepalen of het hoogspanningsstation veilig is voor personen zijn berekeningen uitgevoerd van de elektrische veldsterkte. Hierbij is expliciet gekeken naar de elektrische veldsterkte rondom de railverbindingen en in het gebied tussen het opstijgpunt en hoogspanningsmast 21.

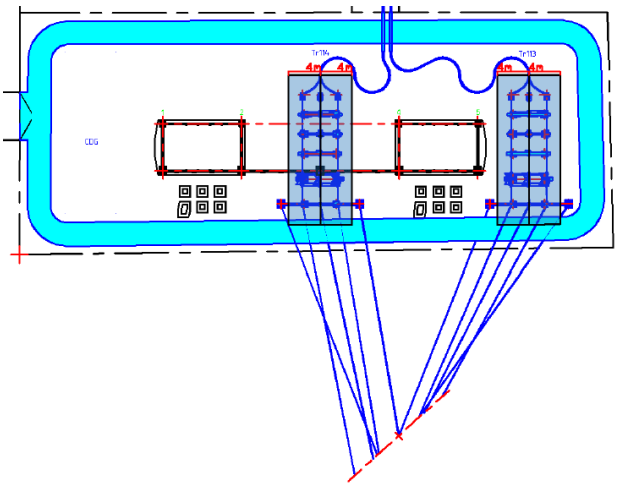
Elektrische veldsterkte rondom de railverbindingen
Afbeelding 3.5 geeft de elektrische veldsterkte weer op verschillende hoogtes als gevolg van de railverbindingen. Hieruit moet geconcludeerd worden dat de grens van 5 kV/m wordt overschreden ter hoogte van de railverbindingen van de opstijgpunten.

Afbeelding 3.5 Elektrische veldsterkte rondom de railverbindingen



De 5 kV/m contour strekt zich uit tot een breedte van vier meter vanuit de hartlijn per circuit. Afbeelding 3.6 geeft de 5 kV/m contour weer binnen het hoogspanningsstation als gevolg van de railverbindingen.

Afbeelding 3.6 5 kV/m contour

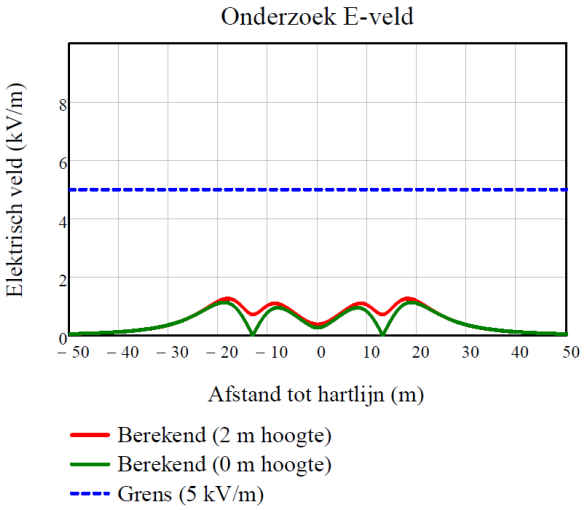


Elektrische veldsterkte tussen het opstijgpunt en hoogspanningsmast 21

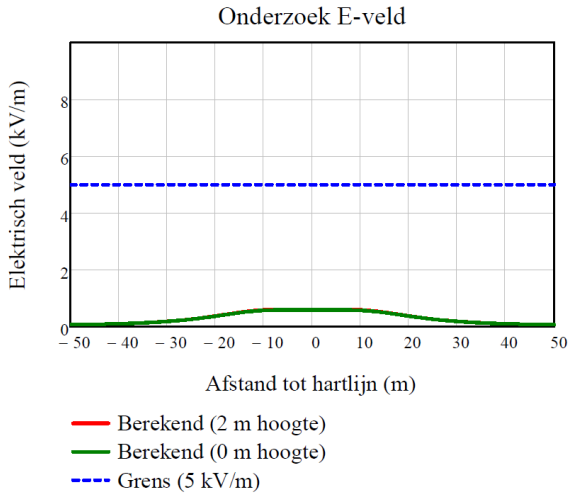
Om te bepalen of er gevaarlijke elektrische veldsterktes voorkomen in het gebied tussen het opstijgpunt en hoogspanningsmast 21 zijn er twee berekeningen uitgevoerd. Afbeelding 3.7 geeft de elektrische veldsterkte op verschillende hoogtes weer rondom het opstijgpunt. Afbeelding 3.8 geeft de elektrische veldsterkte op verschillende hoogtes weer rondom hoogspanningsmast 21. In beide 2D-analyses kan geconcludeerd worden dat de kritische veldsterkte van 5 kV/m niet overschreden wordt. Hieruit volgt dat de elektrische veldsterkte in het gebied tussen het opstijgpunt en de hoogspanningsmast 21 niet de kritische waarde van 5 kV/m overschrijdt.

Aangezien de kritische veldsterkte van 5 kV/m niet wordt overschreden in het gebied tussen het opstijgpunt en hoogspanningsmast 21 geeft afbeelding 3.6 de volledige zone weer binnen het hoogspanningsstation waar de kritische elektrische veldsterkte wordt overschreden. De 5 kV/m contour blijft binnen de grenzen van het hoogspanningsstation en vormt daarom geen gevaar voor personen. In Bijlage IV is de volledige tekening opgenomen van de 5 kV/m contour rondom het hoogspanningsstation.

Afbeelding 3.7 Elektrische veldsterkte rondom het opstijgpunt



Afbeelding 3.8 Elektrische veldsterkte rondom hoogspanningsmast 21



Elektrische veldsterkte rondom de hoogspanningskabels

Er is geen berekening gemaakt voor de elektrische veldsterktes als gevolg van de hoogspanningskabels, aangezien deze al zijn afgeschermd door de aarde. Hierdoor zullen er geen relevante elektrische velden veroorzaakt worden door de hoogspanningskabels.

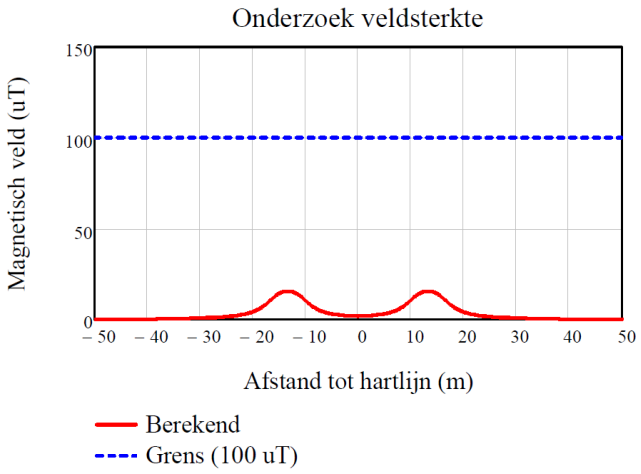
3.4.2 100 µT contour

Om te bepalen of er gevaarlijke situaties voor personen kunnen ontstaan is een berekening uitgevoerd ter indicatie van de magnetische velden. Hierbij is uitgegaan van 50 % belasting van de nominale stroom per circuit. Afbeelding 3.9 en afbeelding 3.10 geven de magnetische veldsterktes rondom de railverbindingen en de hoogspanningskabels respectievelijk weer. De limietwaarde van 100 µT wordt nergens overschreden.

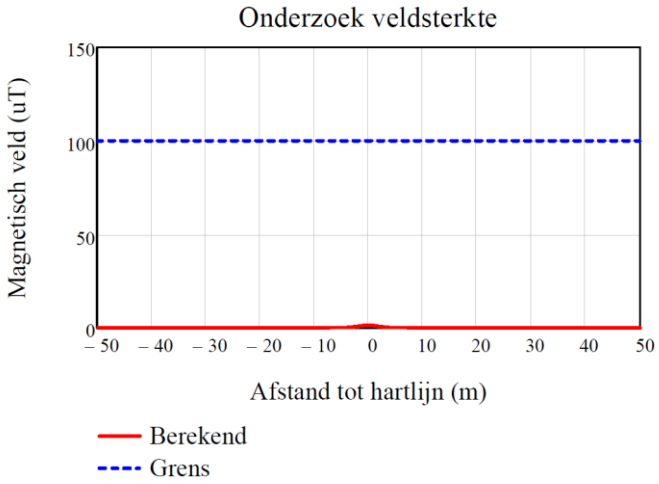
De magnetische veldsterkte wordt bepaald op een hoogte waar personen zich bevinden. Dit betekent dat de afstand tot het punt waarvoor de magnetische veldsterkte wordt bepaald korter is voor de railverbindingen dan voor de hoogspanningslijnen tussen het opstijgpunt en de hoogspanningsmast. Aangezien de limietwaarde van 100 µT niet wordt overschreden rondom de railverbindingen kan ervan uitgegaan worden dat de limietwaarde ook niet wordt overschreden tussen het opstijgpunt en de hoogspanningsmast.

Hieruit kan geconcludeerd worden dat er geen gevaarlijke magnetische veldsterktes ontstaan rondom het hoogspanningsstation.

Afbeelding 3.9 100 µT grens als gevolg van de railverbindingen



Afbeelding 3.10 100 µT grens als gevolg van de hoogspanningskabel

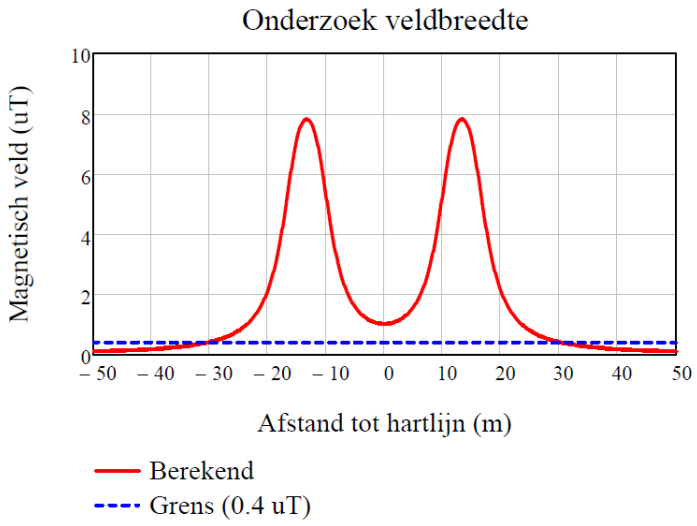


3.4.3 0,4 µT contour

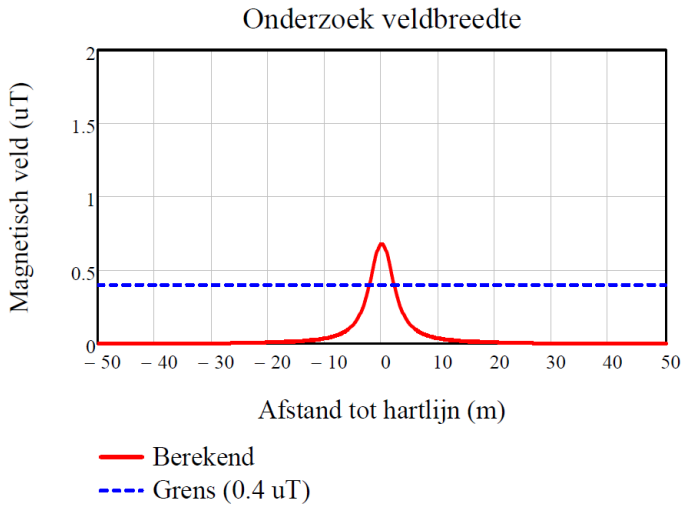
Magnetische veldsterkte rondom de railverbindingen en de hoogspanningskabels

Naast het bepalen van de 100 µT contour is ook de 0,4 µT contour bepaald. Afbeelding 3.11 en afbeelding 3.12 geven de magnetische veldsterktes rondom de railverbindingen en de hoogspanningskabels respectievelijk weer. Voor zowel de railverbindingen als de hoogspanningskabels wordt de 0,4 µT grens overschreden.

Afbeelding 3.11 0,4 µT grens rondom de railverbindingen



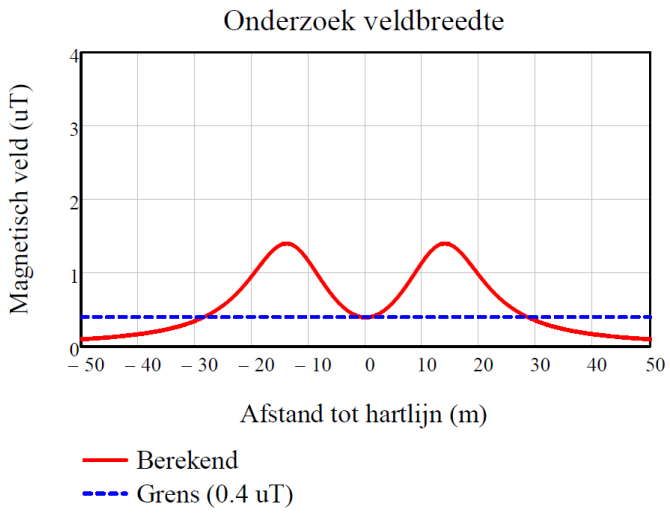
Afbeelding 3.12 0,4 µT grens rondom de hoogspanningskabels



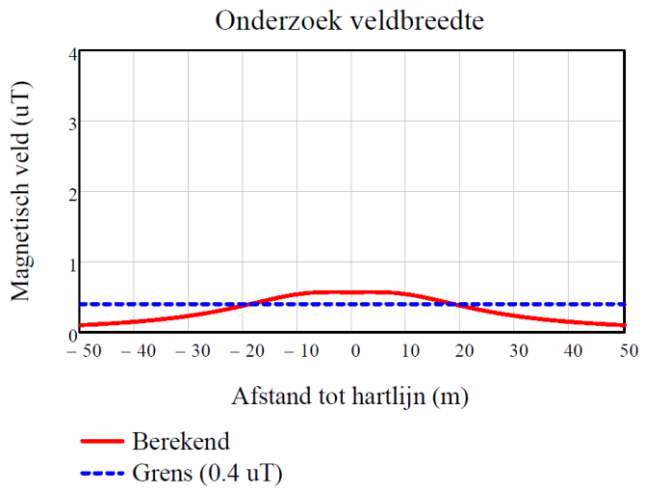
Magnetische veldsterkte tussen het opstijgpunt en hoogspanningsmast 21

Afbeelding 3.13 en afbeelding 3.14 geven de magnetische veldsterktes rondom het opstijgpunt en hoogspanningsmast 21 respectievelijk weer. Tussen het opstijgpunt en hoogspanningsmast 21 wordt de 0,4 µT grens overschreden.

Afbeelding 3.13 0,4 µT grens rondom het opstijgpunt



Afbeelding 3.14 0,4 µT grens rondom hoogspanningsmast 21

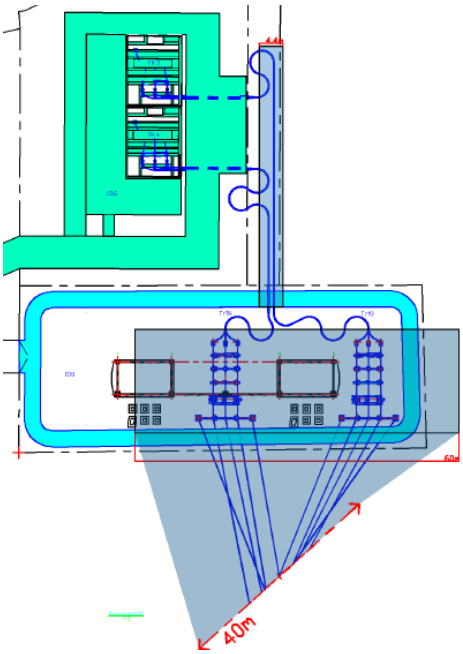


0,4 µT contour hoogspanningsstation

Aan de hand van de berekende magnetische veldsterktes rondom het hoogspanningsstation is de zone bepaald waar de magnetische veldsterkte groter is dan 0,4 µT. Afbeelding 3.15 geeft deze zone weer. In Bijlage V is de volledige tekening weergegeven.

De zone waarin de 0,4 µT grens wordt overschreden beperkt zich tot het hoogspanningsstation. Er vallen geen percelen met een woonbestemming binnen deze grens, waardoor er geen nieuwe gevoelige bestemmingen zullen ontstaan.

Afbeelding 3.15 Zone magneetveldsterkte groter dan 0,4 µT



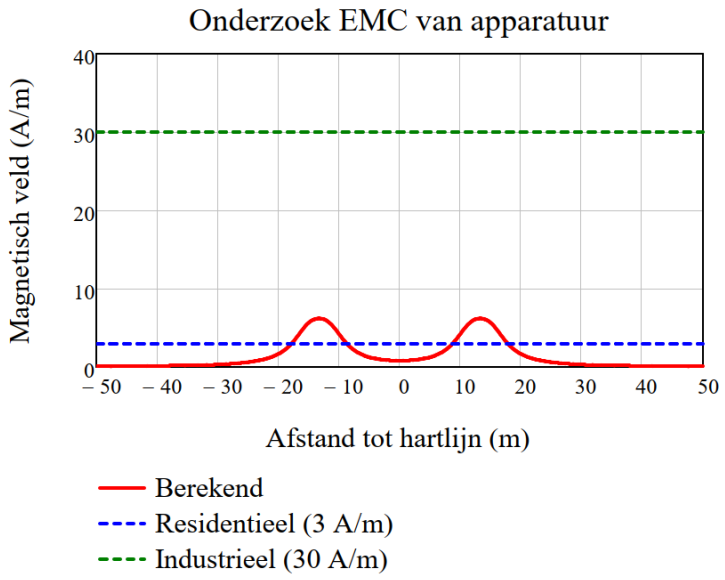
3.5 EMC van apparatuur

Het magnetisch veld rondom de verbindingsrails is berekend aan de hand van een 2D-benadering en getoetst aan de norm voor immuniteit voor industriële omgevingen. Uit de berekeningen, opgenomen in afbeelding 3.16, blijkt dat de limietwaarde van 30 A/m niet wordt overschreden.

Naast de industriële limietwaarde van 30 A/m is in afbeelding 3.16 ook de residentiële limietwaarde van 3 A/m opgenomen. Deze veldsterkte mag niet worden overschreden in residentiële gebieden. De limietwaarde van 3 A/m wordt overschreden, maar niet in een residentieel gebied; de overschrijdingen vinden plaats op het terrein van het hoogspanningsstation. Hieruit kan geconcludeerd worden dat de railverbindingen geen nadelige effecten op de apparatuur op het hoogspanningsstation en dat er geen nadelige effecten zijn voor residentiële gebieden.

Er is geen berekening uitgevoerd voor het magnetisch veld als gevolg van de hoogspanningslijnen tussen het opstijgpunt en hoogspanningsmast 21. De hoogspanningslijnen tussen het opstijgpunt en de hoogspanningsmast zijn hoger gelegen boven het maaiveld dan de railverbindingen. Dit betekent dat de afstand tot het punt waarop het magnetisch veld berekend dient te worden groter is voor de hoogspanningslijnen tussen het opstijgpunt en hoogspanningsmast dan voor de railverbindingen. Aangezien het magnetisch veld afneemt bij een grotere afstand en de limietwaardes niet worden overschreden als gevolg van de railverbindingen kan ervan worden uitgegaan dat de limietwaarde van 30 A/m tevens niet wordt overschreden in het gebied tussen het opstijgpunt en de hoogspanningsmast.

Afbeelding 3.16 Onderzoek magnetisch veld



4

CONCLUSIE

In dit rapport is onderzoek gedaan naar mogelijk ontoelaatbare beïnvloeding van (signaal)kabels en buisleidingen op en rondom het 110 kV station Eibergen. De studie is uitgevoerd op basis van stap 1 en stap 2 conform norm NEN 3654. Hieruit zijn de onderstaande conclusies naar voren gekomen.

4.1 Beïnvloedingsmechanismen

Capacitieve beïnvloeding
Alle kabels en buisleidingen liggen ondergronds, waardoor capacitieve beïnvloeding geen gevaarlijke situaties kan veroorzaken. Het hekwerk van het station is bovengronds bevestigd en bevindt zich in het gebied waar capacitieve beïnvloeding mogelijk gevaarlijke spanningen kan veroorzaken. Echter de verwachting is dat het hekwerk goed geaard is, waardoor er geen gevaarlijke spanningen zich kunnen opbouwen op het hekwerk.

Weerstandsbeïnvloeding
Aan de hand van stap 1 en stap 2 van het stappenplan voor weerstandsbeïnvloeding is bepaald dat alle kabels en buisleidingen vermeld in klic-melding LP 20O092704-1 zich binnen het gebied bevinden, zoals voorgeschreven in stap 2 van het stappenplan. Om die reden zijn vervolgstappen noodzakelijk voor het bepalen of er gevaarlijke situaties als gevolg van weerstandsbeïnvloeding kunnen plaatsvinden.

Inductieve beïnvloeding
Om te bepalen of vervolgstappen noodzakelijk zijn voor gevaarlijke situaties als gevolg van inductieve beïnvloeding is de Unity Check uitgevoerd voor de kabels en buisleidingen. Aangezien NEN 3654 alleen de Unity Check beschrijft voor buisleidingen, is RLN00134 toegepast om de UC te bepalen voor kabels. Bij het bepalen van de UC is rekening gehouden met de verschillende aanwezige hoogspanningssystemen, namelijk hoogspanningslijnen en -kabels.

Op grond van de berekende Unity Checks is geconcludeerd dat de buisleidingen mogelijk alleen gevaarlijk inductief beïnvloed kunnen worden door de hoogspanningskabels. Voor de inductieve beïnvloeding van buisleiding als gevolg van de hoogspanningskabels zijn vervolgstappen noodzakelijk. De buisleidingen worden niet ontoelaatbaar beïnvloed door de railverbinding en de opstijgpunten naar de hoogspanningsmast.

Op grond van de berekende Unity Checks is geconcludeerd dat de (signaal)kabels op en rondom het hoogspanningsstation mogelijk ontoelaatbaar worden beïnvloed. De kabels worden mogelijk ontoelaatbaar beïnvloed door zowel de hoogspanningskabels als door de railverbindingen en de opstijgpunten naar de hoogspanningsmast. Vervolgstappen zijn noodzakelijk om te bepalen of er daadwerkelijk ontoelaatbare beïnvloeding plaatsvindt.

Wisselstroomcorrosie
De uitgevoerde Unity Checks voor wisselstroomcorrosie zijn voor alle buisleidingen onder de waarde 1. Dit betekent dat kans op schade aan omliggende buisleidingen als gevolg van wisselstroomcorrosie verwaarloosbaar is en er geen vervolgstappen nodig zijn.

Elektrische en magnetische veldsterkte

Nergens op en rondom het hoogspanningsstation wordt de grens van 100 µT voor de magnetische veldsterkte overschreden. Ook de grens van 0,4 µT beperkt zich tot het hoogspanningsstation en valt daar niet buiten. Op basis van indicatieve berekeningen is geconcludeerd dat er geen gevaarlijke magnetische veldsterktes voor personen aanwezig zijn op en rondom het hoogspanningsstation.

De 5 kV/m grens voor de elektrische velden wordt wel overschreden rondom de railverbindingen van de transformatorvelden. Echter, het gebied waarin deze grens wordt overschreden blijft binnen de grenzen van het hoogspanningsstation en vormt daarmee geen gevaar voor personen.

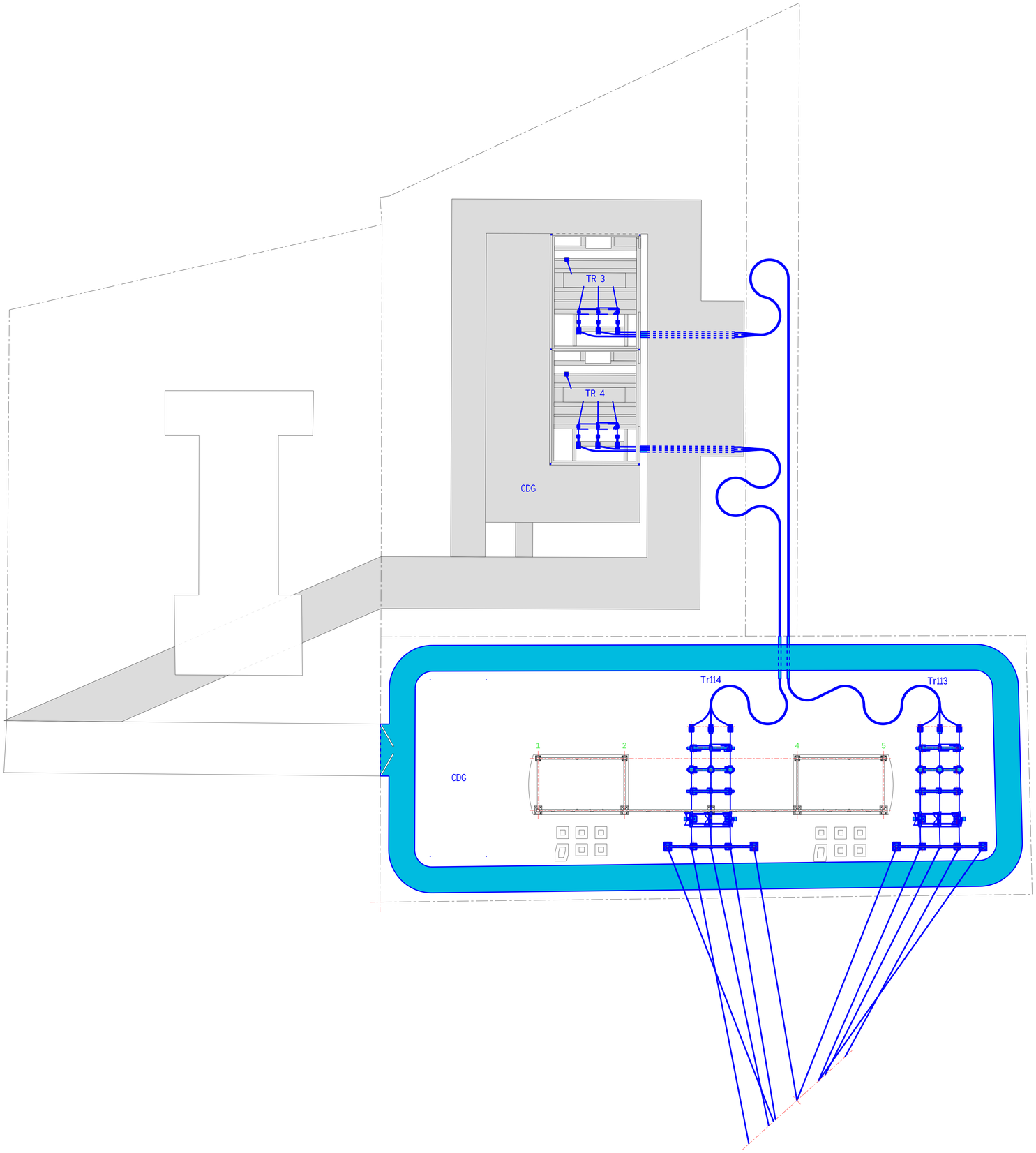
EMC van apparatuur

Voor industriële omgevingen bedraagt de immuniteit van apparatuur voor magnetische velden 30 A/m. De limietwaarde van 30 A/m wordt nergens op of rondom het hoogspanningsstation overschreden. Er zijn daarom geen nadelige effecten te verwachten als gevolg van de railverbindingen en de opstijgpunten. De limietwaarde van 3 A/m voor residentiële omgevingen wordt wel overschreden binnen de grenzen van het hoogspanningsstation, maar wordt niet overschreden binnen residentiële gebieden. Op grond hiervan is de conclusie dat de limietwaardes, zoals beschreven in NEN-EN-IEC 61000-6-2 niet worden overschreden.

Bijlagen

I

BIJLAGE: ONTWERPTEKENING G4-OVERZICHT



Bovenaanzicht
1:175

Titel: 110kV station Eibergen - twee nieuwe trafovelden				Tekeningstatus	
Rev.	Datum revisie	Omschrijving revisie	Gereviseerd	Datum As-Built	Schaal	Formaat
A	28.01.2022	GEWIJZIGDD	Ing. [redacted]		1:175	A0

Website:

Thema:

Categorie:

Documentcode:

Object ID: EBGU10

Zal tekeningnummer:

Omschrijving: Bovenaanzicht 110 kV station, bestaand gebouw en nieuwe trafocellen+CDG LIANDER

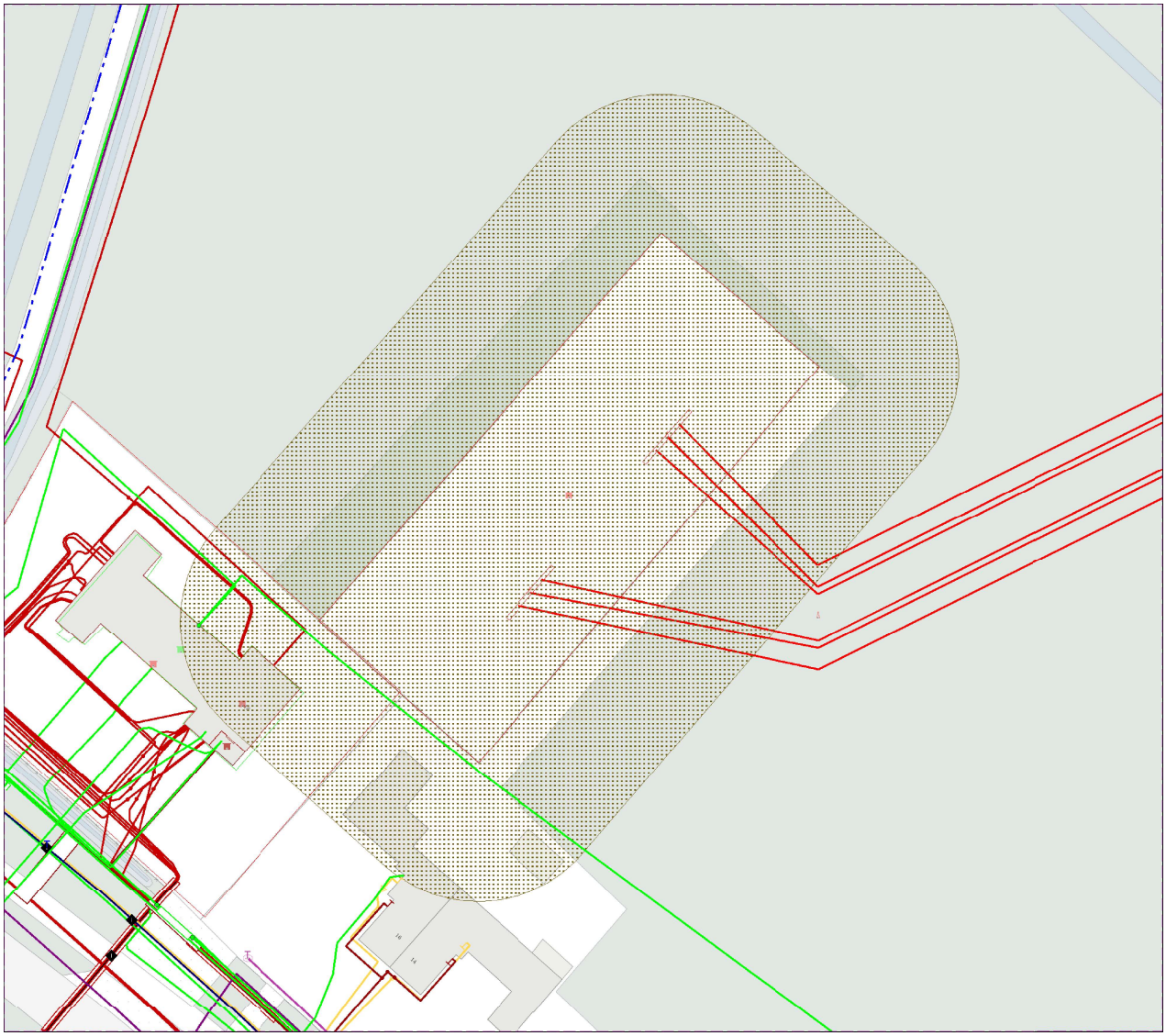
Documentnummer: G [4]

tennet taking power further

Tekla Structures

II

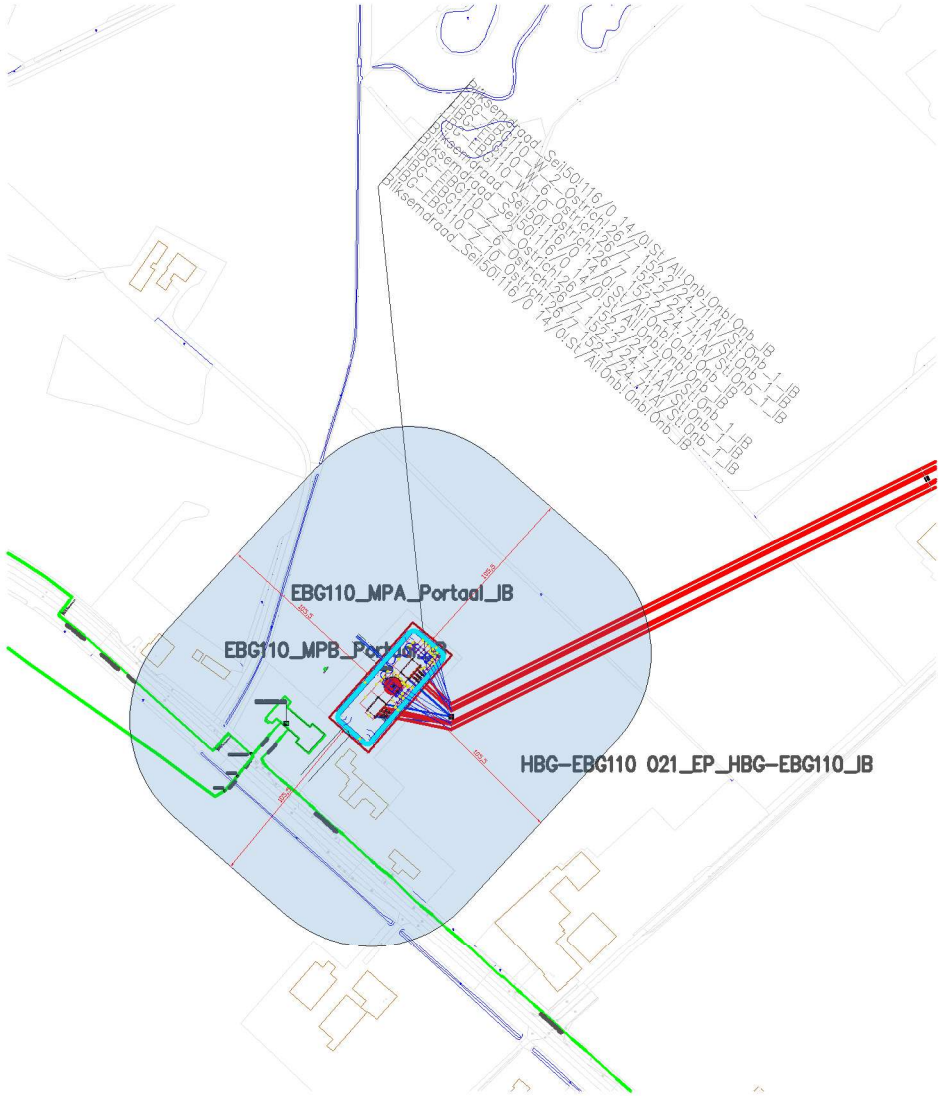
BIJLAGE: KLIC-MELDING LP 20O092704-1



50 m

III

BIJLAGE: ZONE MOGELIJK ONTOELAATBARE WEERSTANDSBEÏNVLOEDING

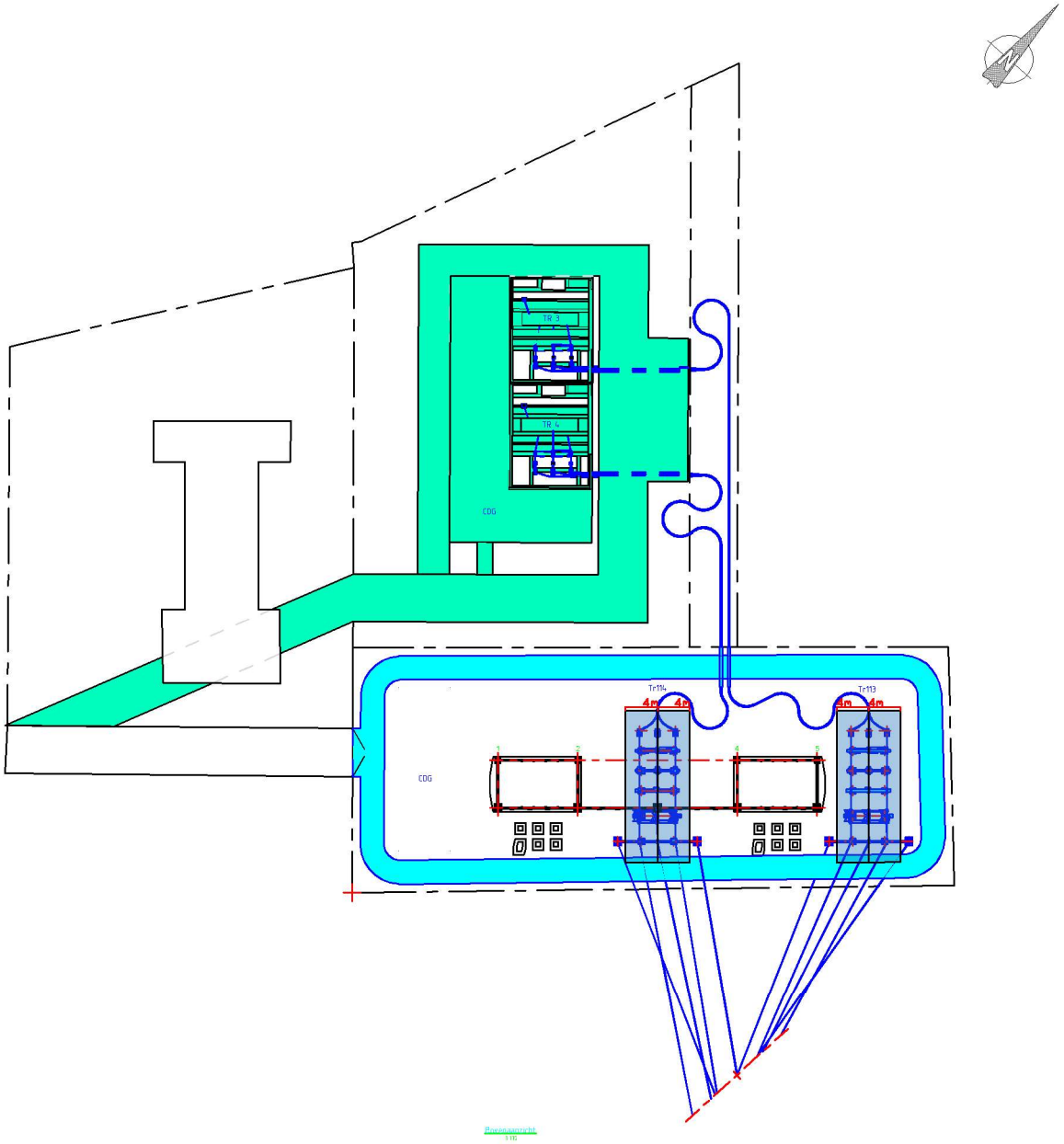


Legenda:

Zone mogelijk ontoelaatbare weerstandsbeïnvloeding

IV

BIJLAGE: ZONE ELEKTRISCHE VELDSTERKTE GROTER DAN 5 KV/M

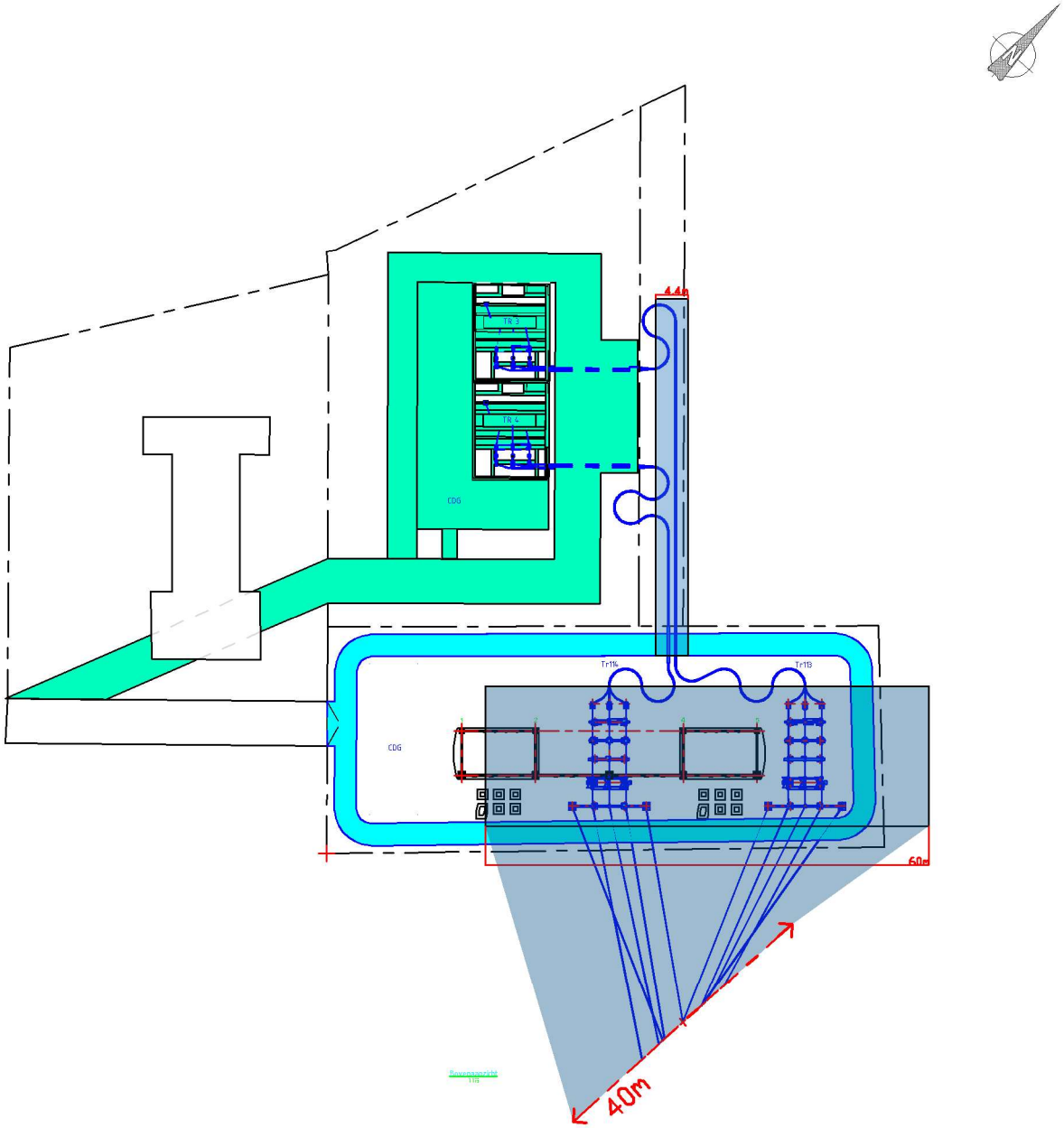


Legenda:

Zone elektrische veldsterkte > 5 kV/m

V

BIJLAGE: ZONE MAGNETISCHE VELDSTERKTE GROTER DAN 0,4 µT



Legenda:

Zone magneetveldsterkte > 0,4 µT

Rapport

Projectnummer: 377076
Referentienummer: SWNL0271952
Datum: 29-01-2021

Grondmechanisch onderzoek

Uitbreiding hoogspanning station Eibergen

gemeente Berkelland

Behoort bij besluit van burgemeester en wethouders van Berkelland

datum: 23 mei 2022

zaaknr: 213988

Concept

Opdrachtgever:
TenneT TSO B.V.

Sweco
Velperweg 26
6824 BJ Arnhem
Postbus 485
6800 AL Arnhem

T +31 88 811 66 00
www.sweco.nl

Sweco Nederland B.V.

Handelsregister 30129769
Statutair gevestigd te De Bilt

[redacted]
Projectsecretaresse
T +31 88 811 54 13
M +31 6 46 76 36 79

Revisiebeheer

Revisie	Datum	Status	Belangrijkste wijzigingen
C0	29-01-2021	Concept	Opstellen rapport

Verantwoording

Titel	Grondmechanisch onderzoek
Subtitel	Uitbreiding hoogspanning station Eibergen
Projectnummer	377076
Referentienummer	SWNL0271952
Revisie	C0
Datum	29-01-2021
Auteur	[redacted]
E-mailadres	[redacted]
Gecontroleerd door	[redacted]g
Paraaf gecontroleerd	[redacted]
Goedgekeurd door	[redacted]
Paraaf goedgekeurd	[redacted]

Inhoudsopgave

1 Inleiding 5

1.1 Aanleiding 5

1.2 Leeswijzer 5

Bijlage 1 Boorplan en overzicht plangebied

Bijlage 2 Sonderingsresultaten

1 Inleiding

1.1 Aanleiding

TenneT TSO B.V. is voornemens het hoogspanningsstation te Eibergen (aan de Needseweg) uit te breiden om ook in de toekomst aan de elektriciteitsvraag te kunnen blijven voldoen. Tennet TSO B.V. heeft Sweco gevraagd voor het uitvoeren van een aantal conditionerende onderzoeken, waaronder voorliggend grondmechanisch onderzoek.

Figuur 1 Overzicht plangebied

1.2 Leeswijzer

In de bijlagen treft u het volgende aan:

- boorplan;
- de resultaten van de sonderingen in grafiekvorm.

Separaat bijgesloten zijn de GEF-bestanden.

Bijlage 1 Boorplan en overzicht plangebied

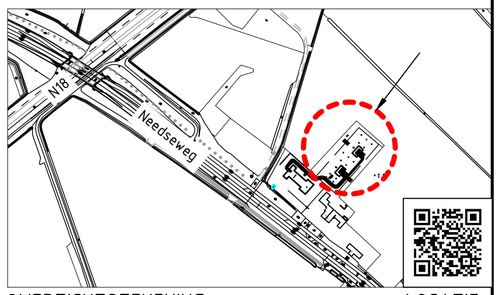
LEGENDA K&L

- datatransport
- laagspanning
- middenspanning
- hoogspanning
- hoogspanning
- grens klic-melding

"K&L informatie verkregen uit melding (#21G022601 d.d. 12-01-2020); de werkelijke ligging kan afwijken."

01 proefsleuf met volgnummer

01 sondering met volgnummer



OVERZICHTSTEKENING LOCATIE

0 2 4 6 8m
Schaal 1:200

CONCEPT

Opdrachtgever
TenneT TSO

Project
Station Eibergen

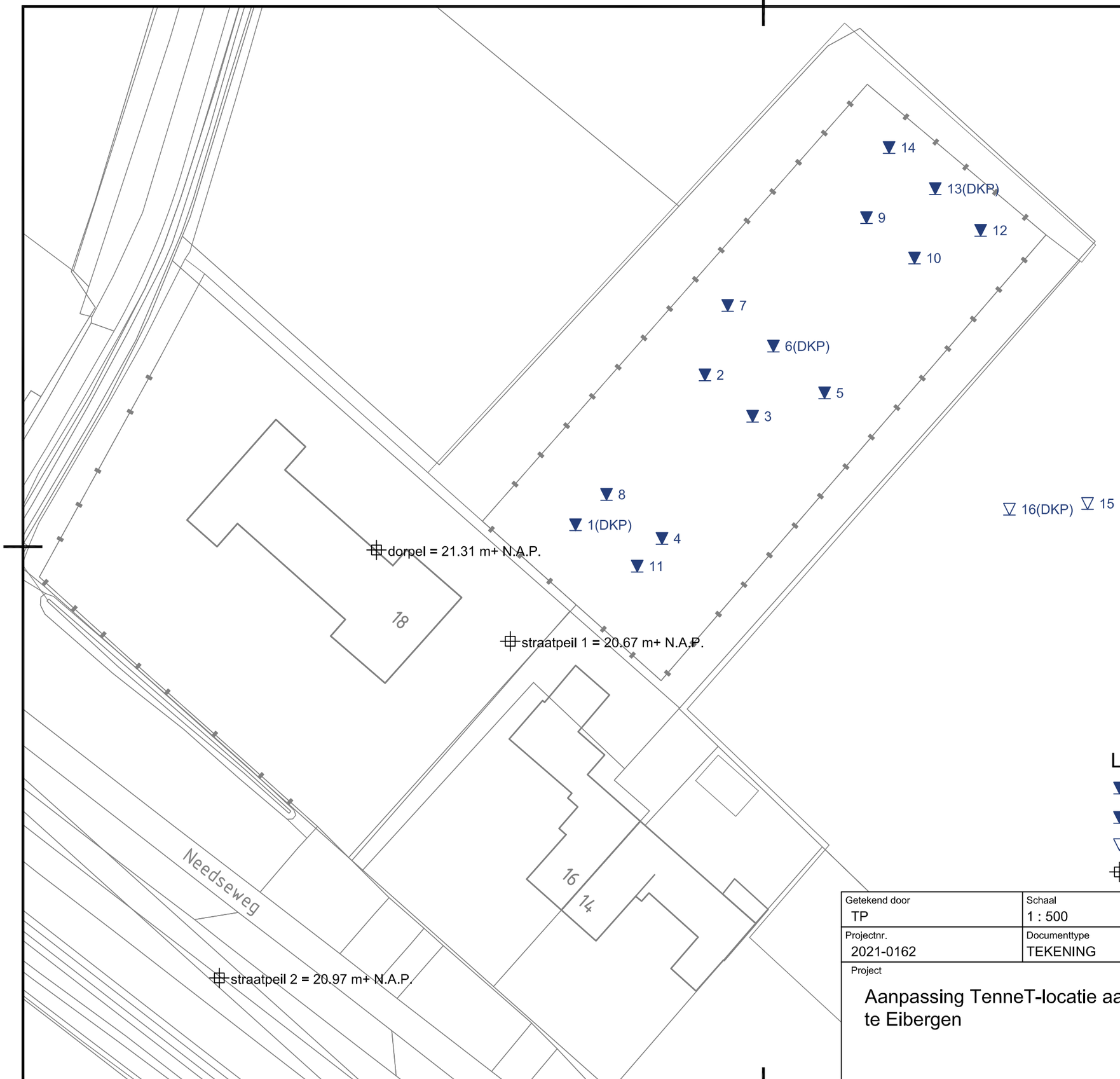
Onderdeel
Situatie proefsleuven

SWECO

Projectnummer	Tekeningnummer	Versie	Datum van uitgave	Ontwerpfase	Contractnummer
377076	377076-T001-L02	-	19-01-2021		.

Blad	Van	Schaal	Formaat	Kantoor	Get.	Gez.	Acc.
1	1	1:200	A2-L (ISO)	GRONINGEN	WBRO	.	.

377076-T001.dwg



LEGENDA

- DKM — Diepsondering met plaatselijke wrijving
- DKP — Diepsondering met plaatselijke wrijving en waterspanning
- Niet uitgevoerde sondering
- Hoogtemeting

Getekend door	Schaal	Formaat	Blad	Aantal	Wijziging
TP	1 : 500	A3	1	1	22.01.21 MBK
Projectnr. 2021-0162	Documenttype TEKENING	Datum uitgifte 19.01.21			-
					-

Project

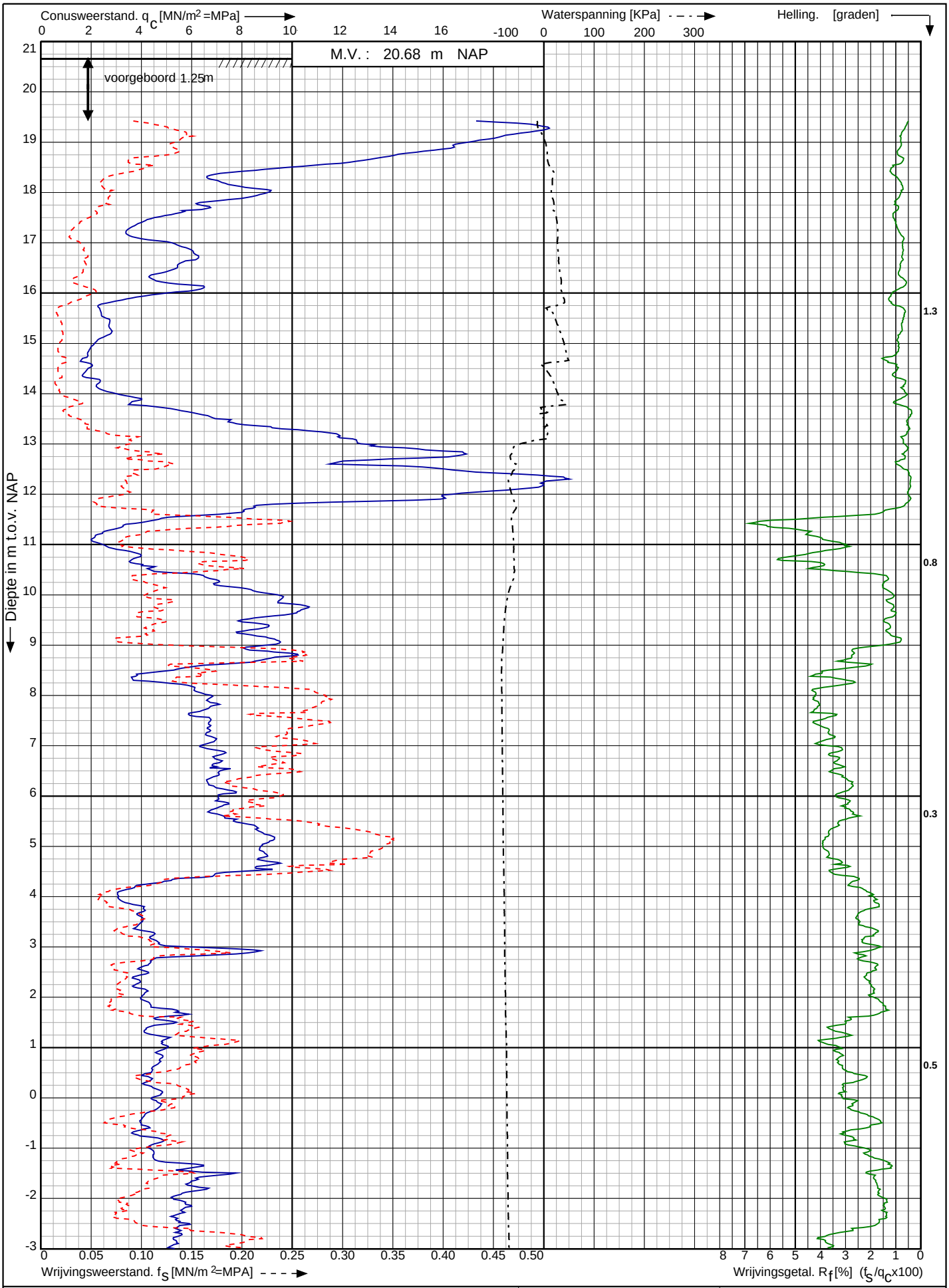
Aanpassing TenneT-locatie aan de Needseweg te Eibergen

0 5 10 15 20m

Koops grondmechanica

0522 - 260 084

Bijlage 2 Sonderingsresultaten



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240708.29 Y = 459513.88

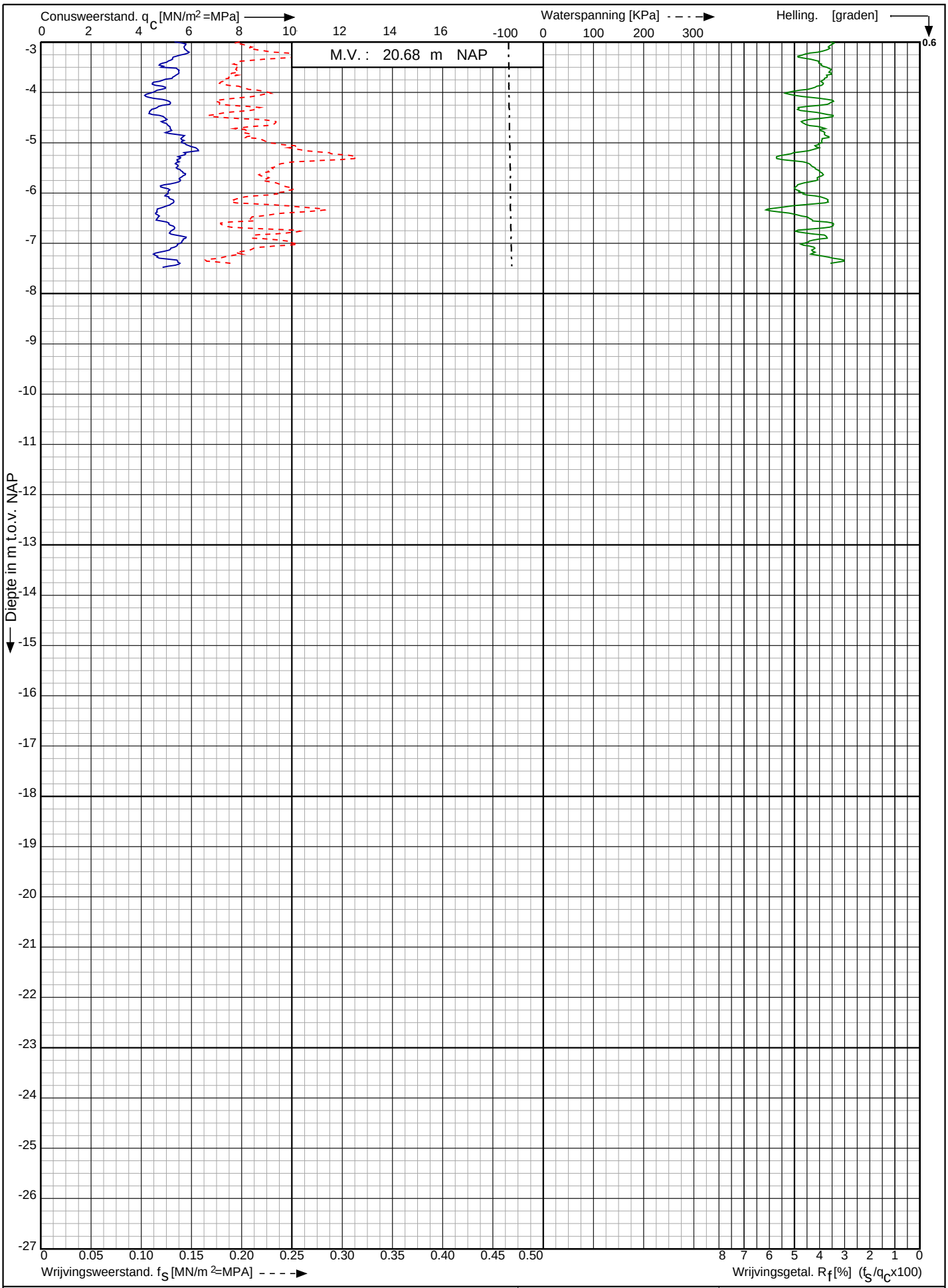
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 1

Koops grondmechanica

0522 - 260 084

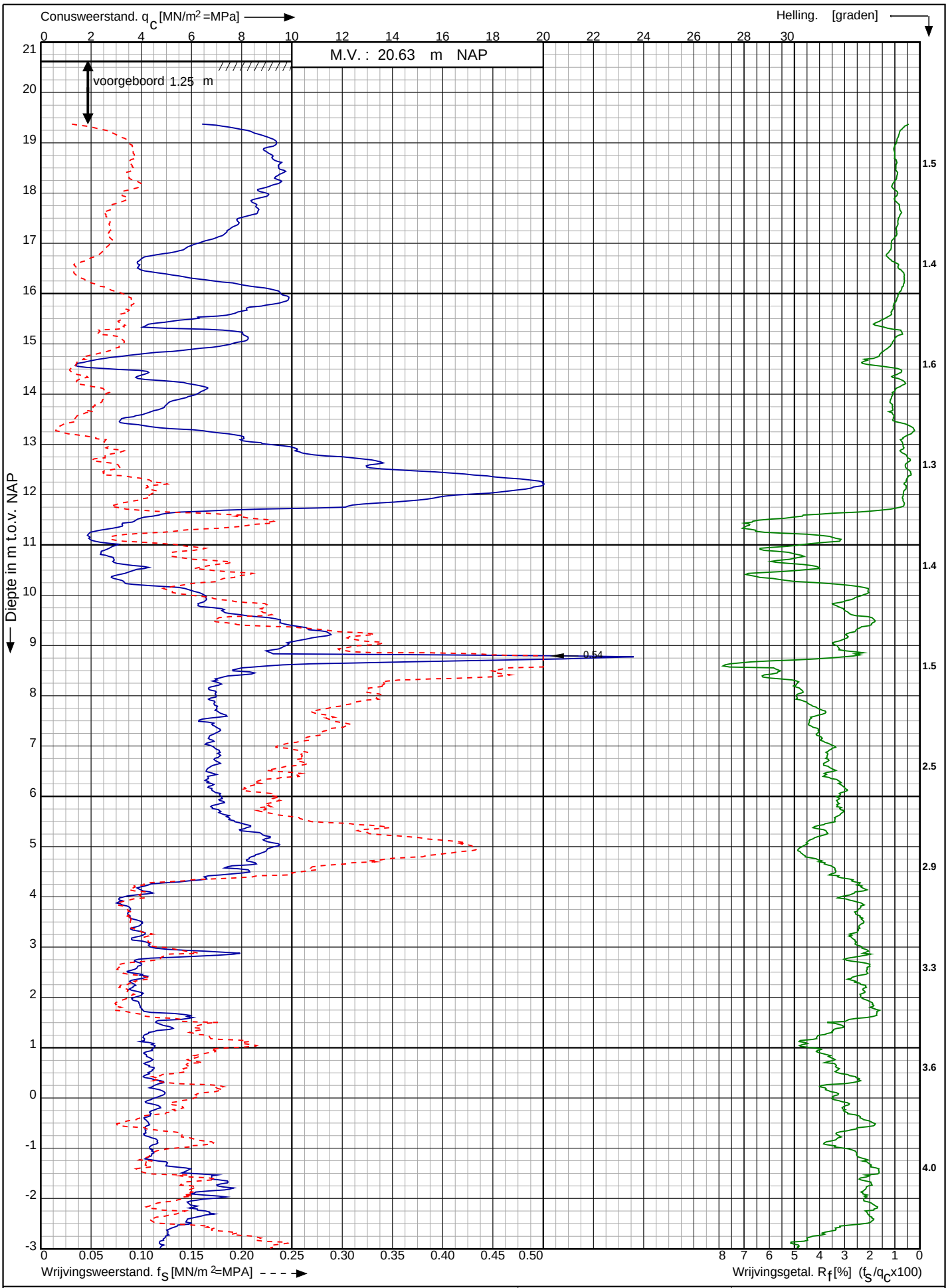


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 20-1-2021	0522 - 260 084
RD-coördinaten : X = 240708.29 Y = 459513.88	Sond. nr. : 1	



Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Conustype: cylindrisch elektrisch P15-CFII-15

Conusserienummer: 071108

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 20-1-2021	0522 - 260 084
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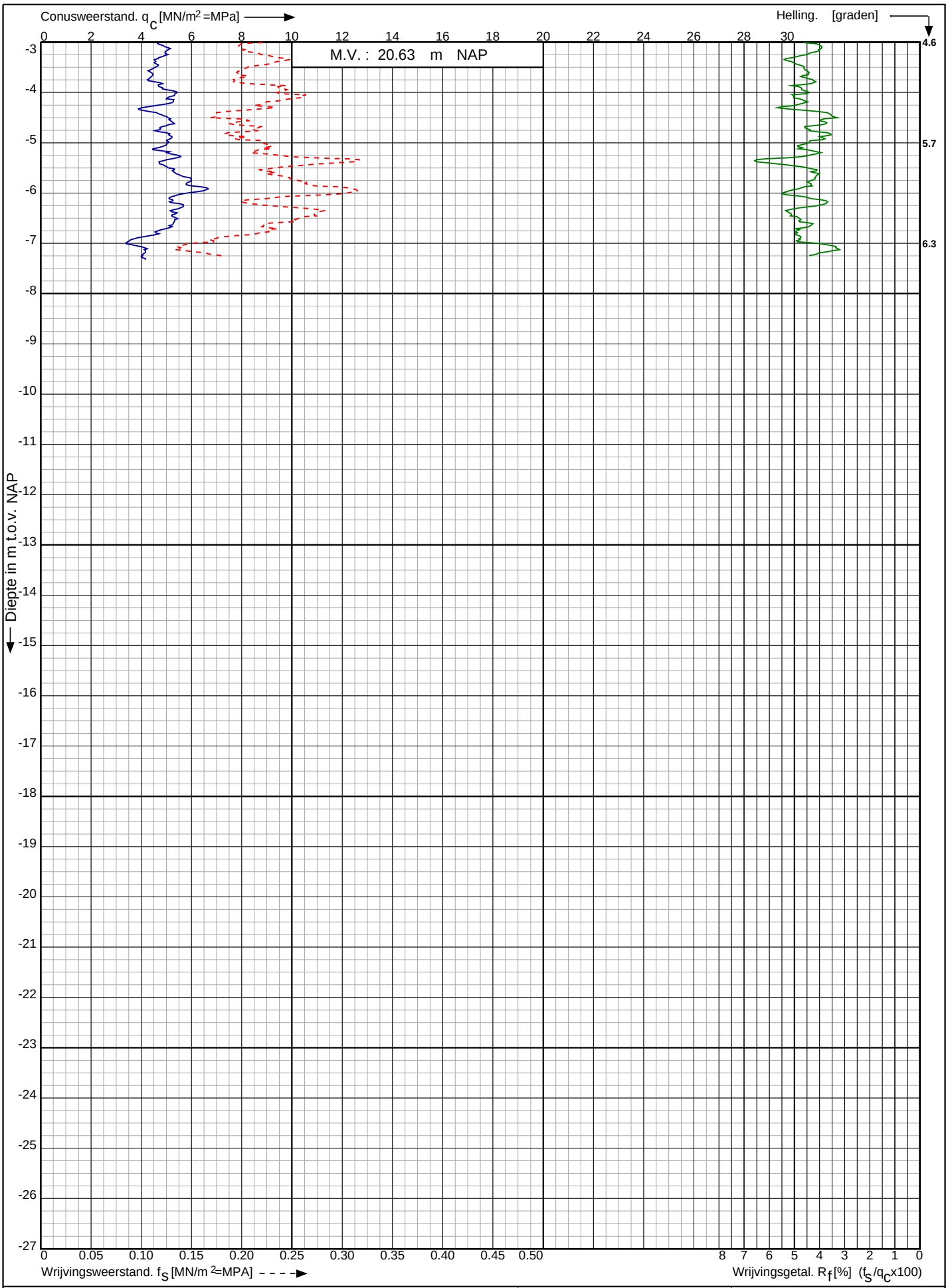


Aanpassing TenneT-locatie aan de Needseweg te Eibergen

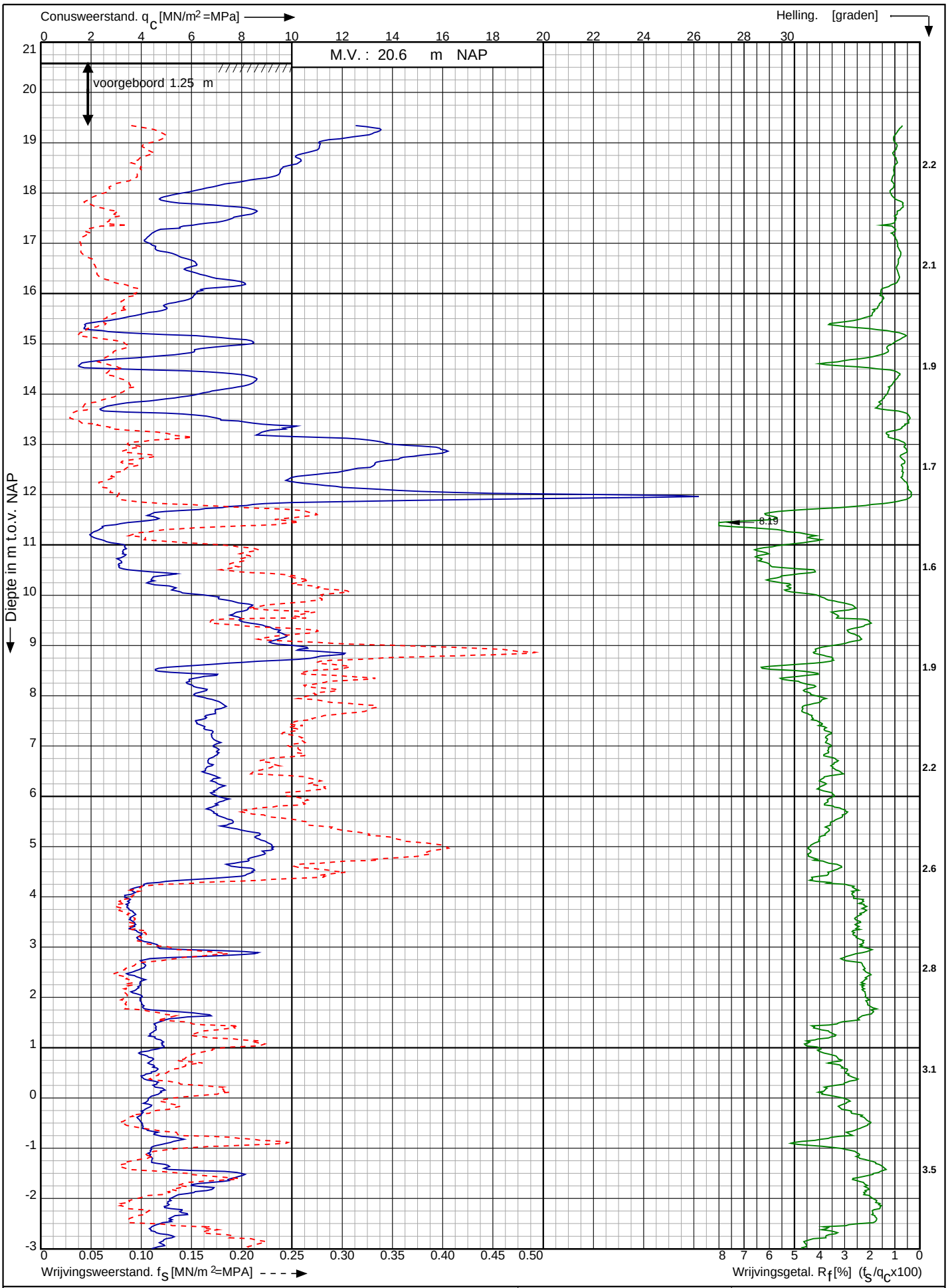
RD-coördinaten : X = 240724.89 Y = 459533.09

Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 2

Koops grondmechanica 0522 - 260 084



Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

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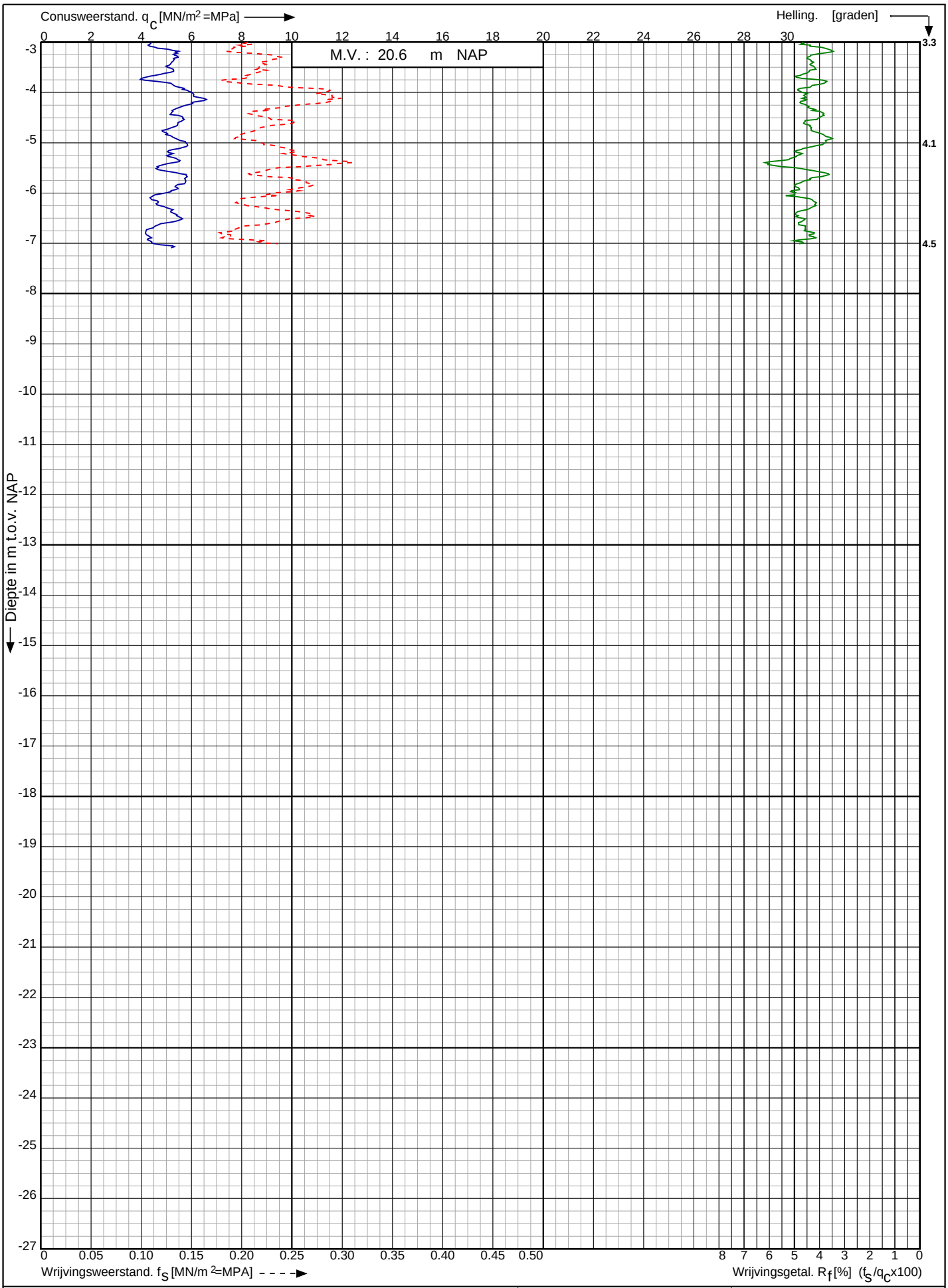
	Datum uitv. : 20-1-2021	
RD-coördinaten : X = 240731.01 Y = 459527.79	Sond. nr. : 3	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240731.01 Y = 459527.79

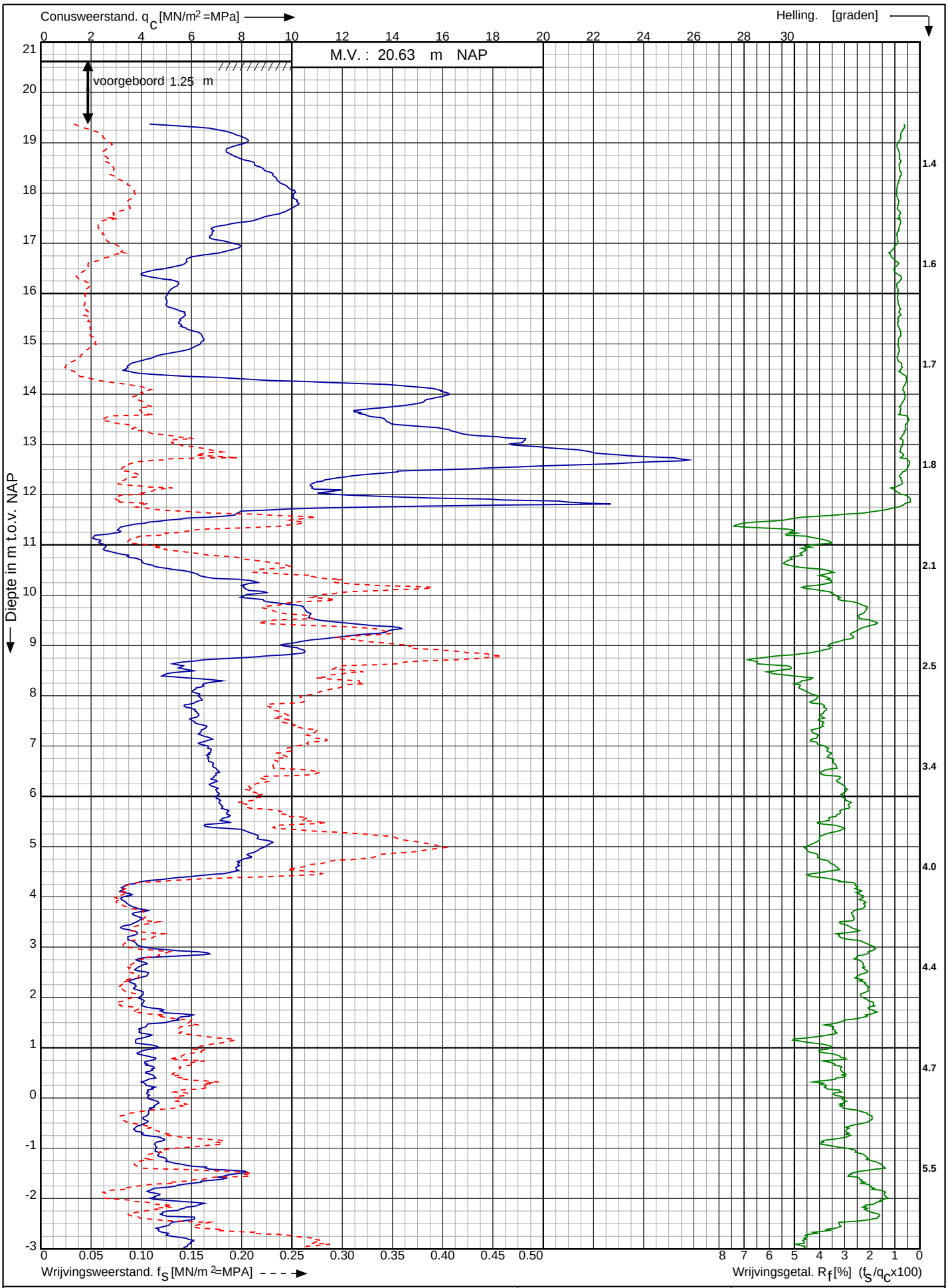
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 3

Koops grondmechanica

0522 - 260 084



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

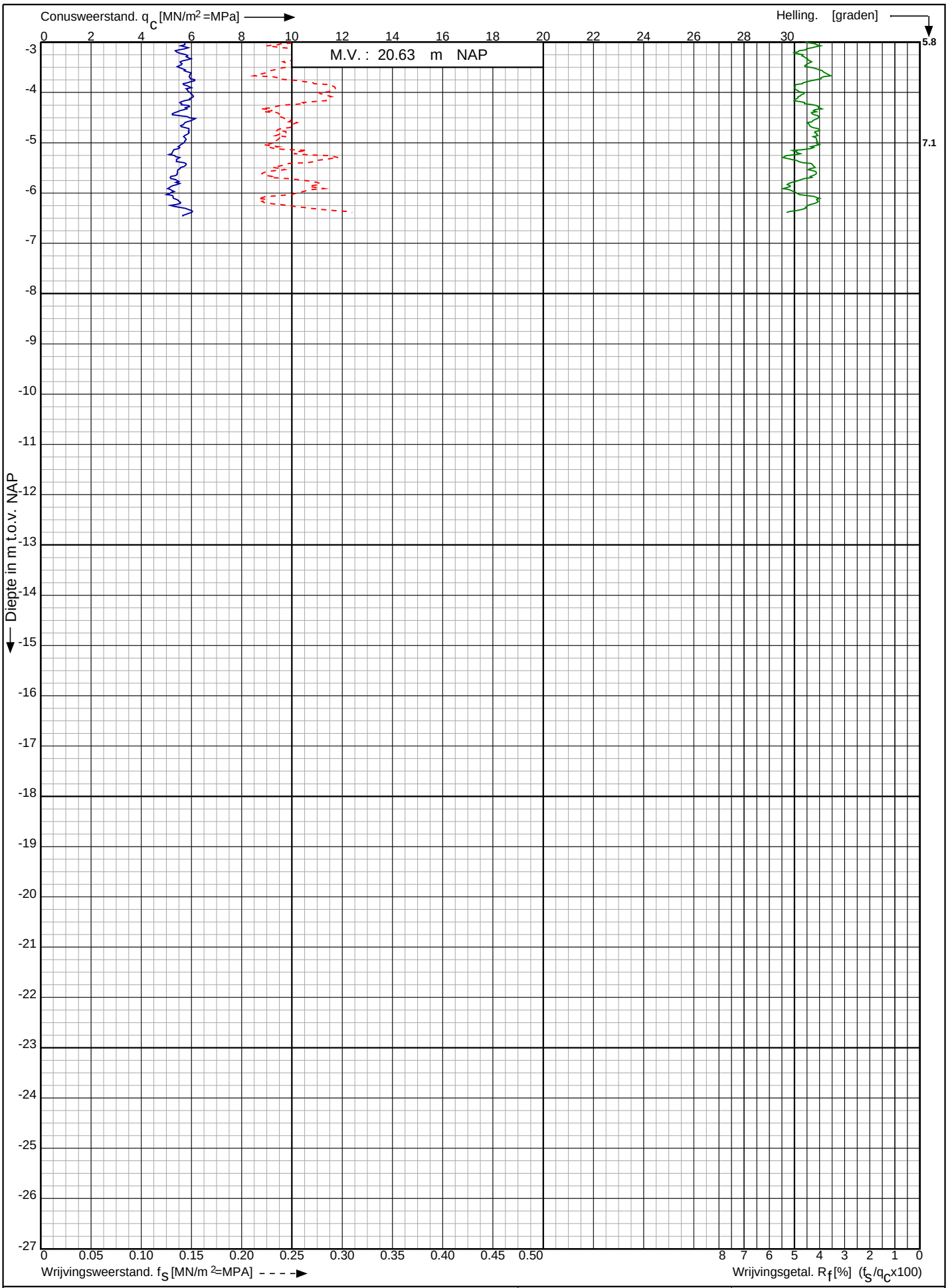
RD-coördinaten : X = 240719.38 Y = 459512.12

Opdr. nr. : 2021-0162

Datum uitv. : 21-1-2021

Sond. nr. : 4

Koops grondmechanica 0522 - 260 084

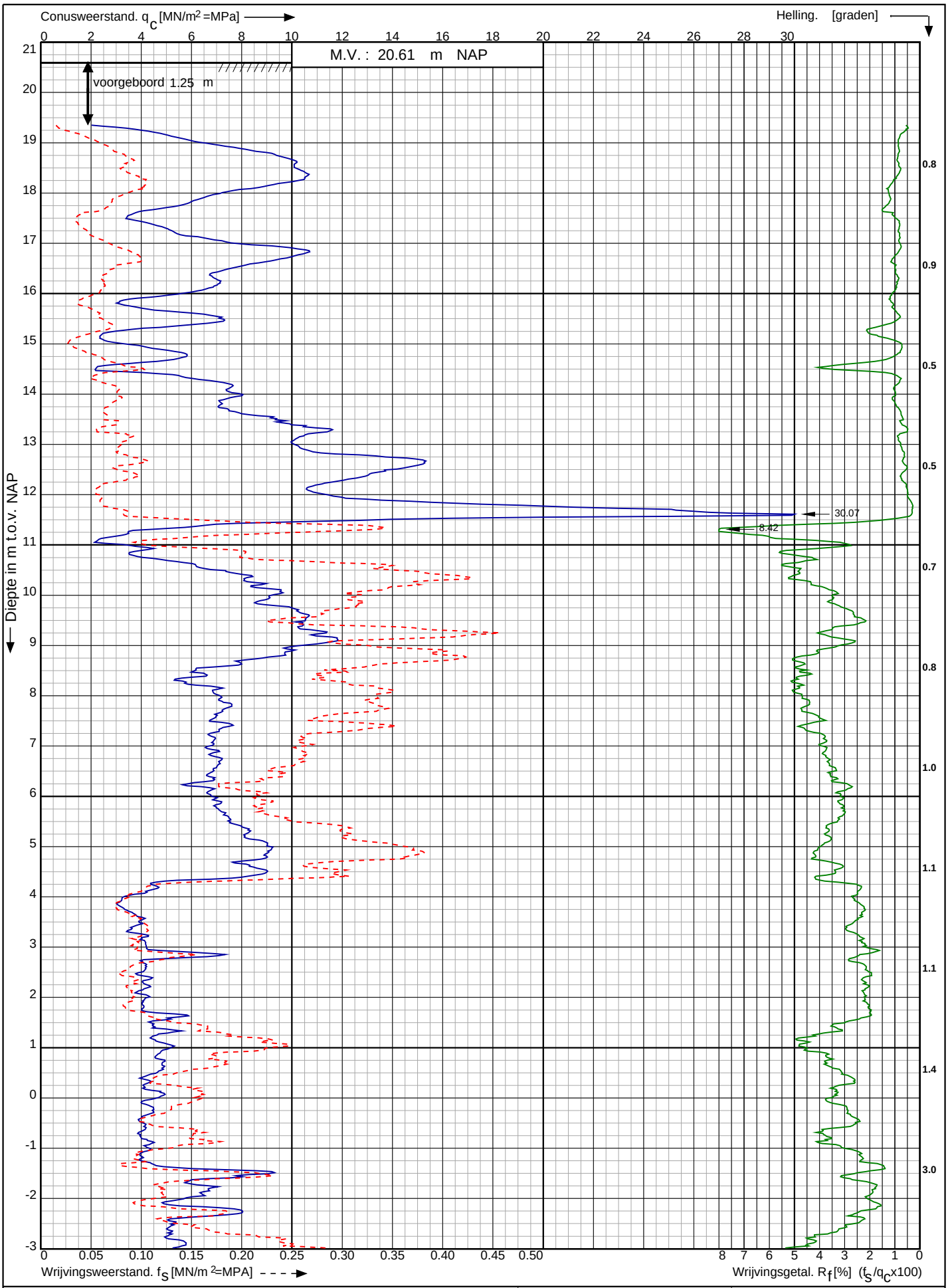


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 21-1-2021	0522 - 260 084
RD-coördinaten : X = 240719.38 Y = 459512.12	Sond. nr. : 4	

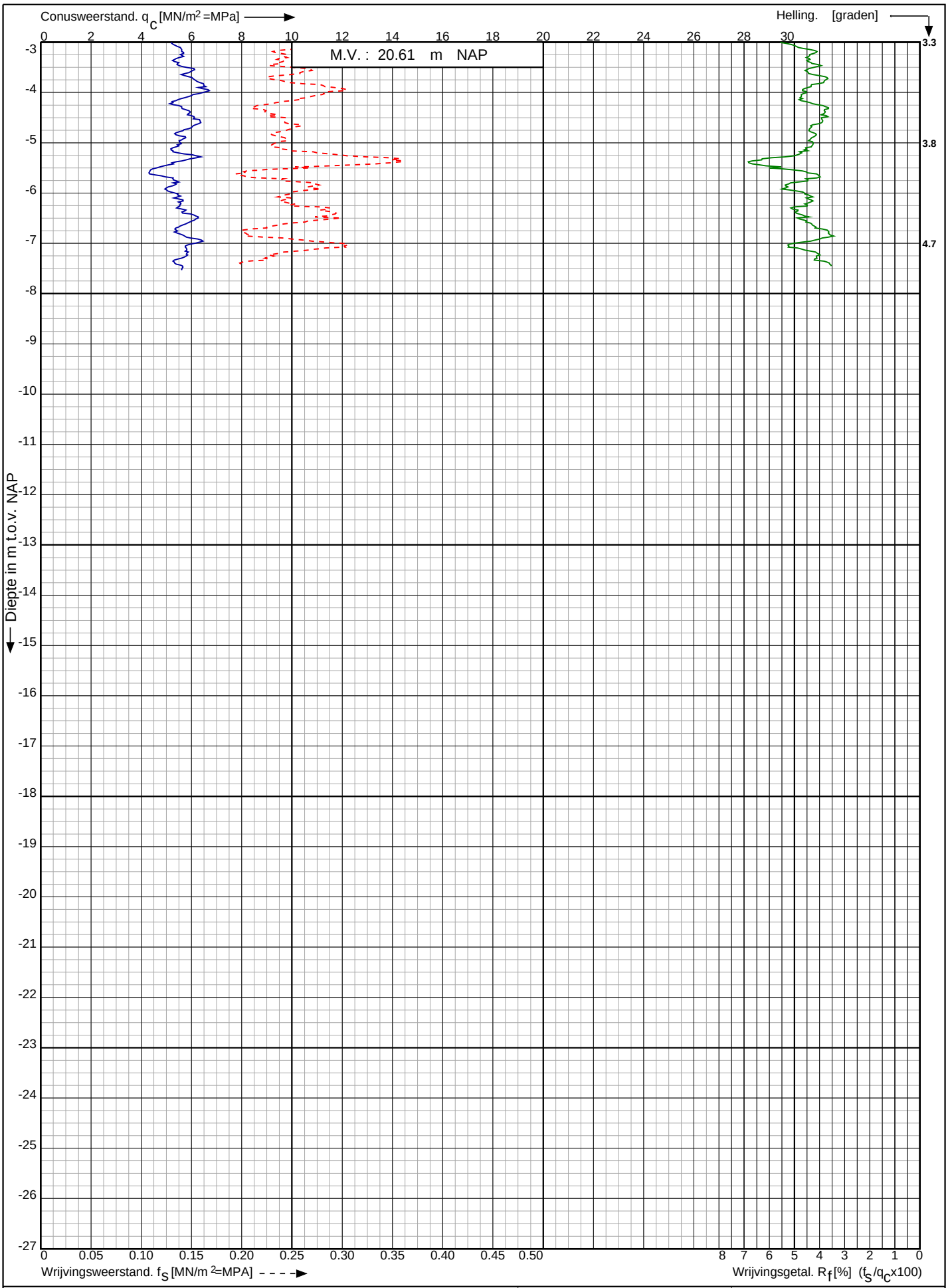


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 20-1-2021	0522 - 260 084
RD-coördinaten : X = 240740.24 Y = 459530.79	Sond. nr. : 5	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

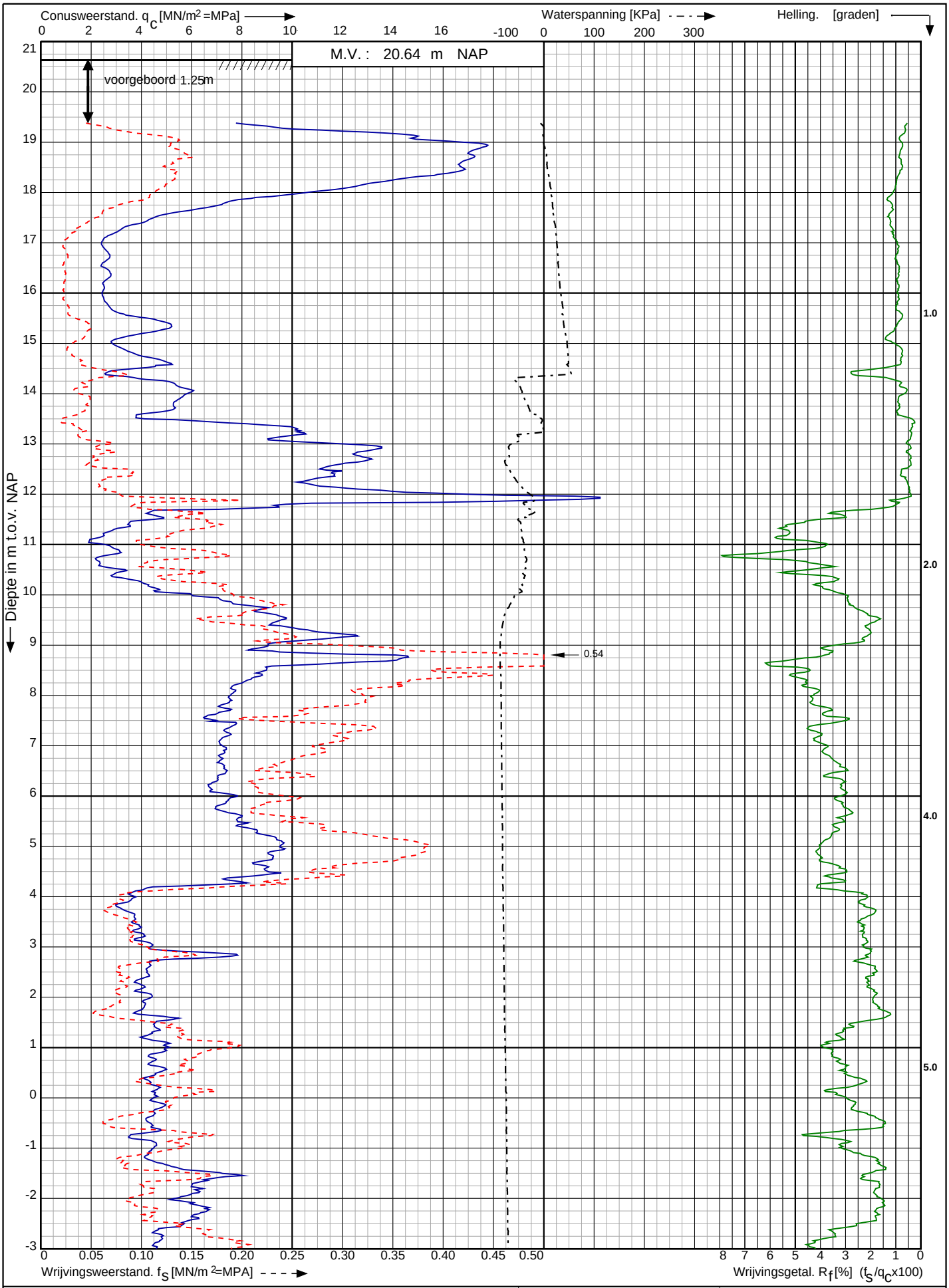
RD-coördinaten : X = 240740.24 Y = 459530.79

Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 5

Koops grondmechanica 0522 - 260 084

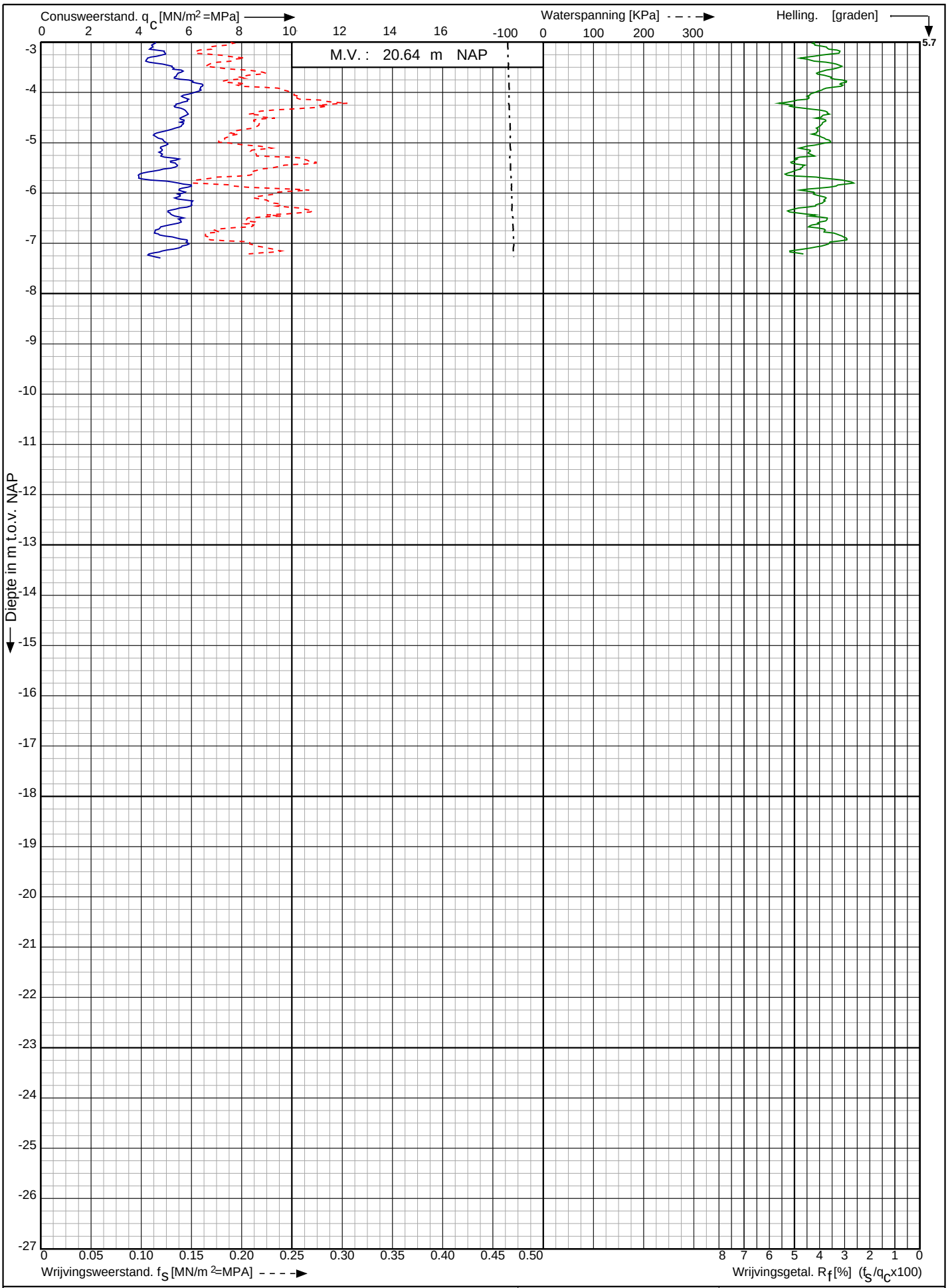


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 20-1-2021	0522 - 260 084
RD-coördinaten : X = 240733.68 Y = 459536.79	Sond. nr. : 6	

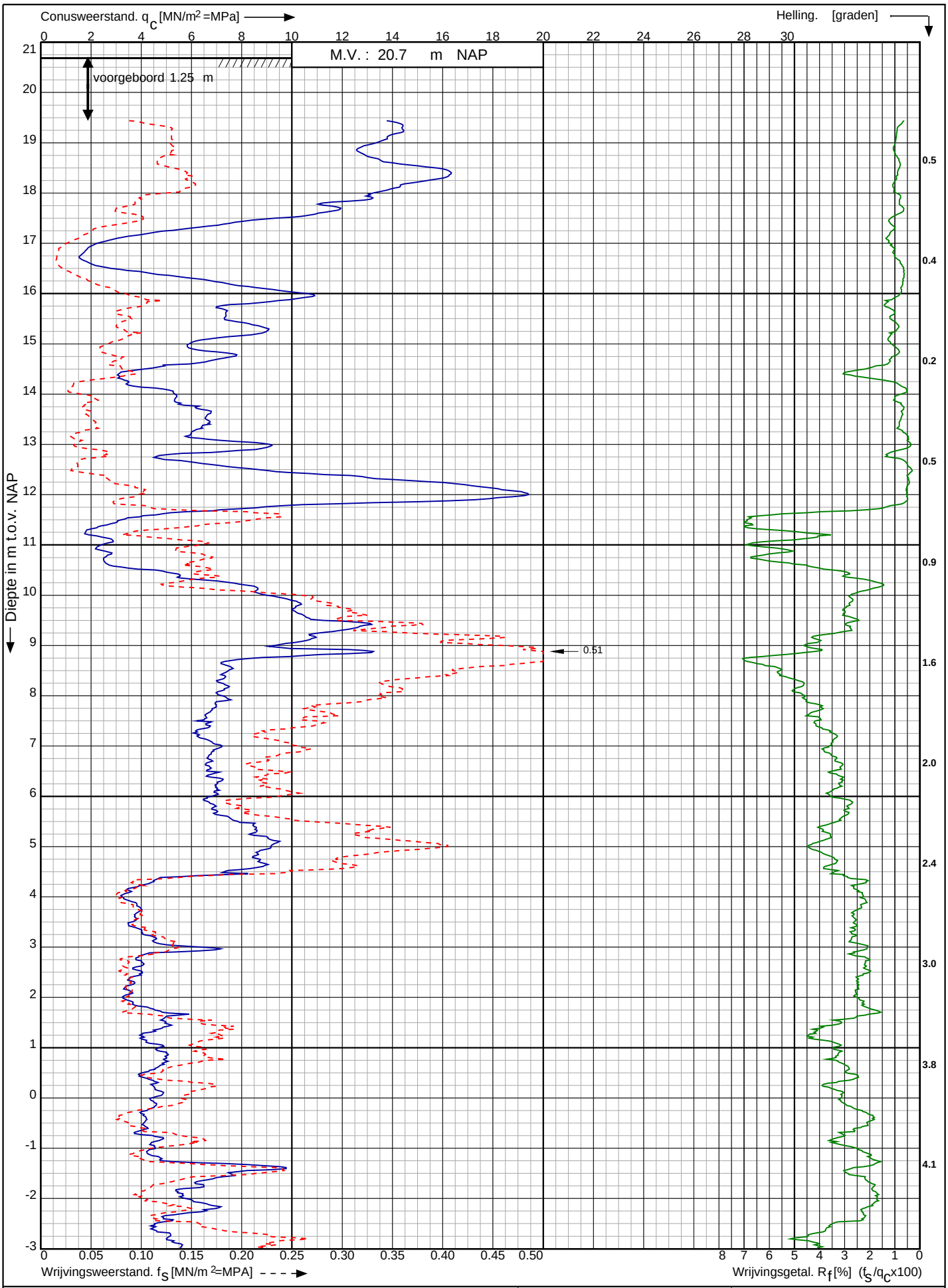


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 20-1-2021	
RD-coördinaten : X = 240733.68 Y = 459536.79	Sond. nr. : 6	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240727.81 Y = 459541.99

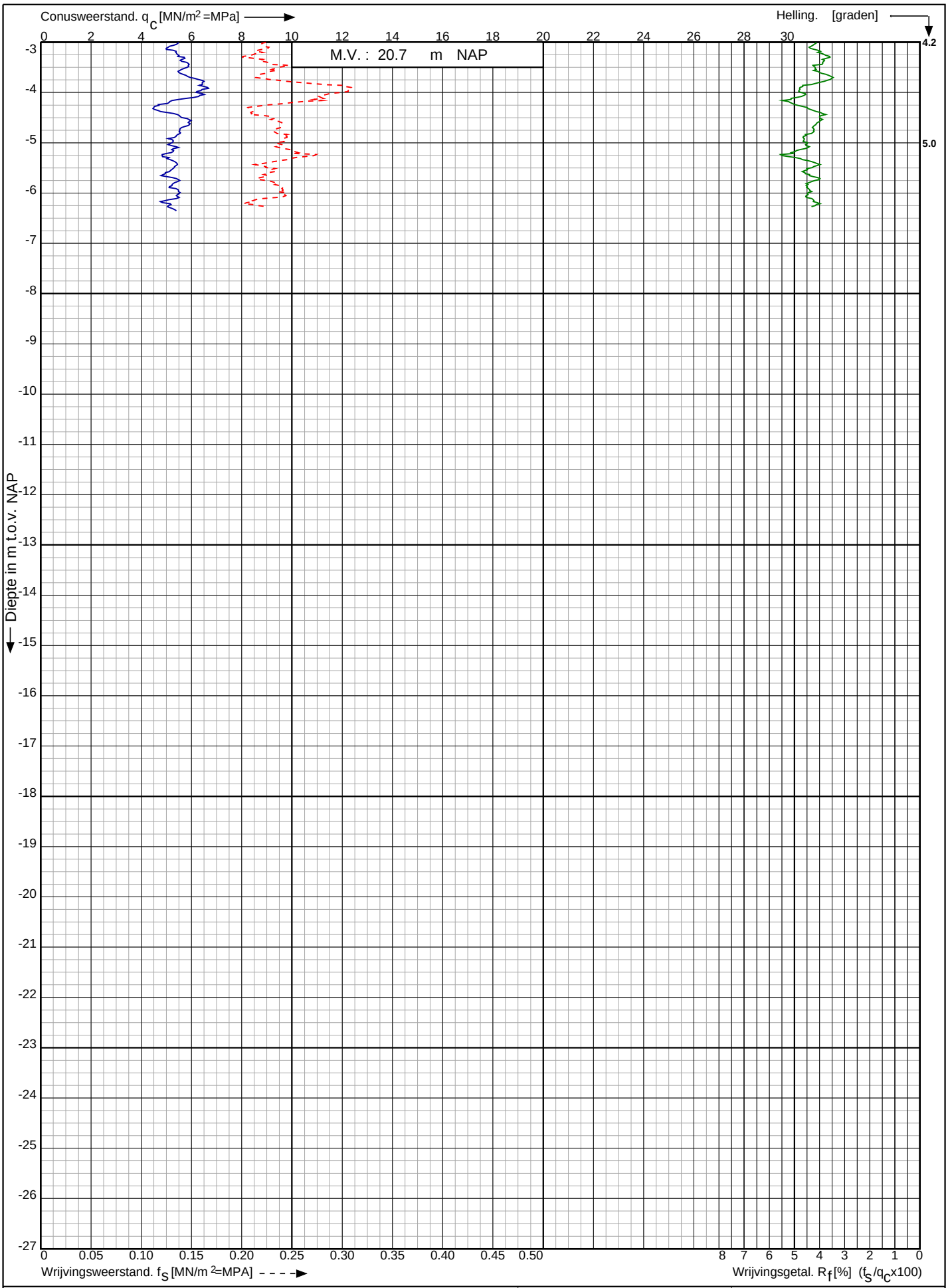
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 7

Koops grondmechanica

0522 - 260 084



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240727.81 Y = 459541.99

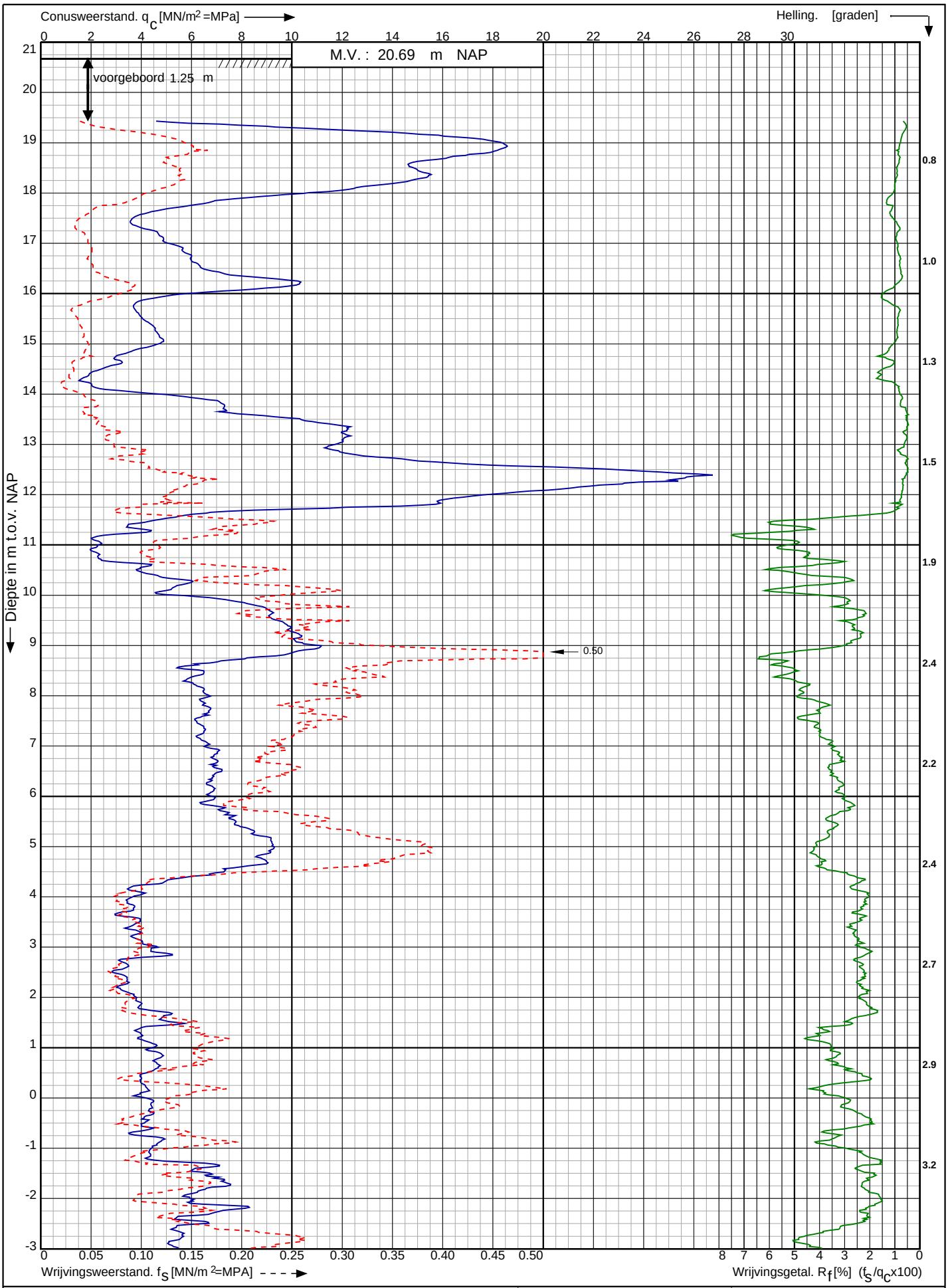
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 7

Koops grondmechanica

0522 - 260 084

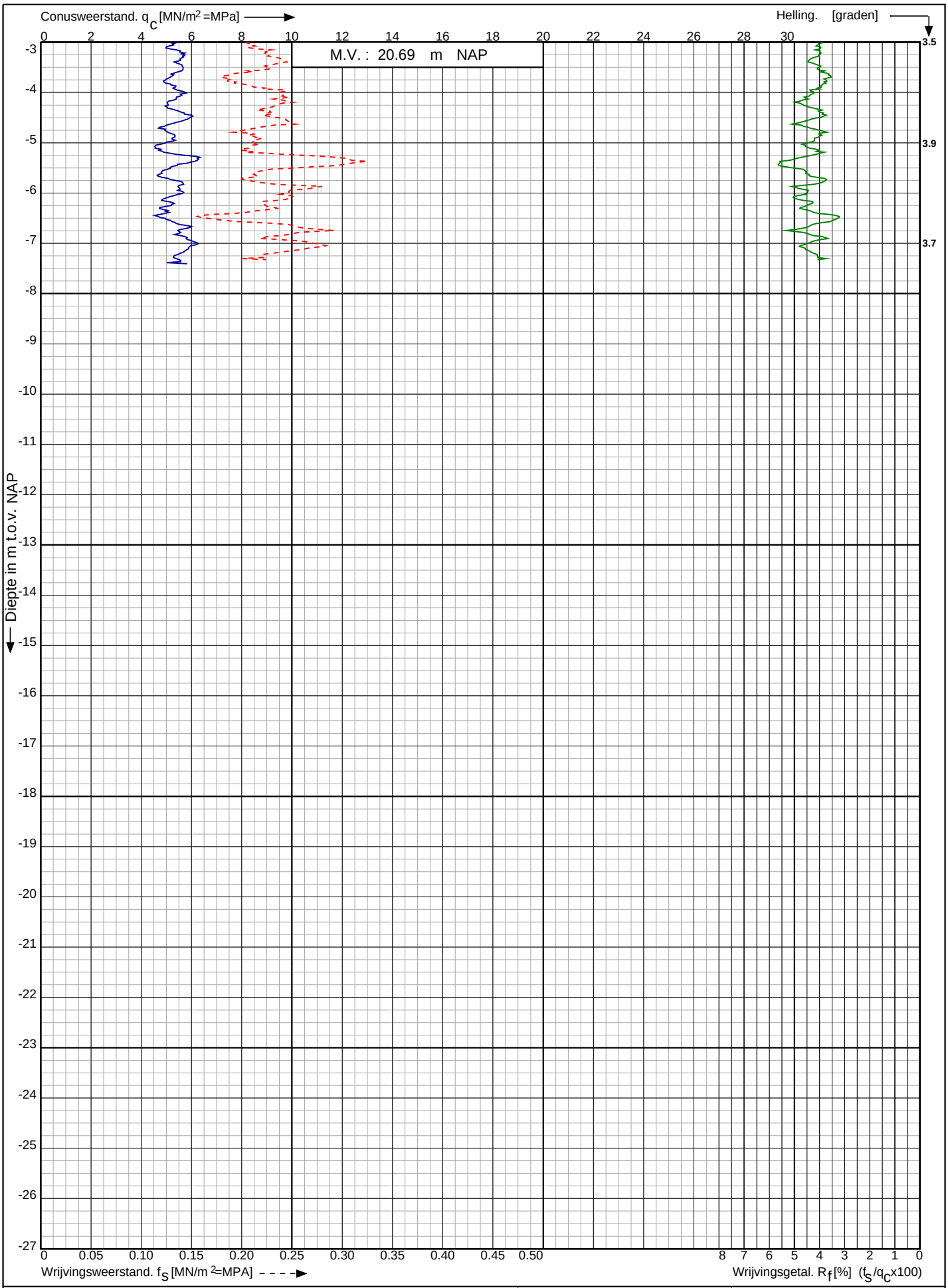


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 20-1-2021	
RD-coördinaten : X = 240712.26 Y = 459517.77	Sond. nr. : 8	

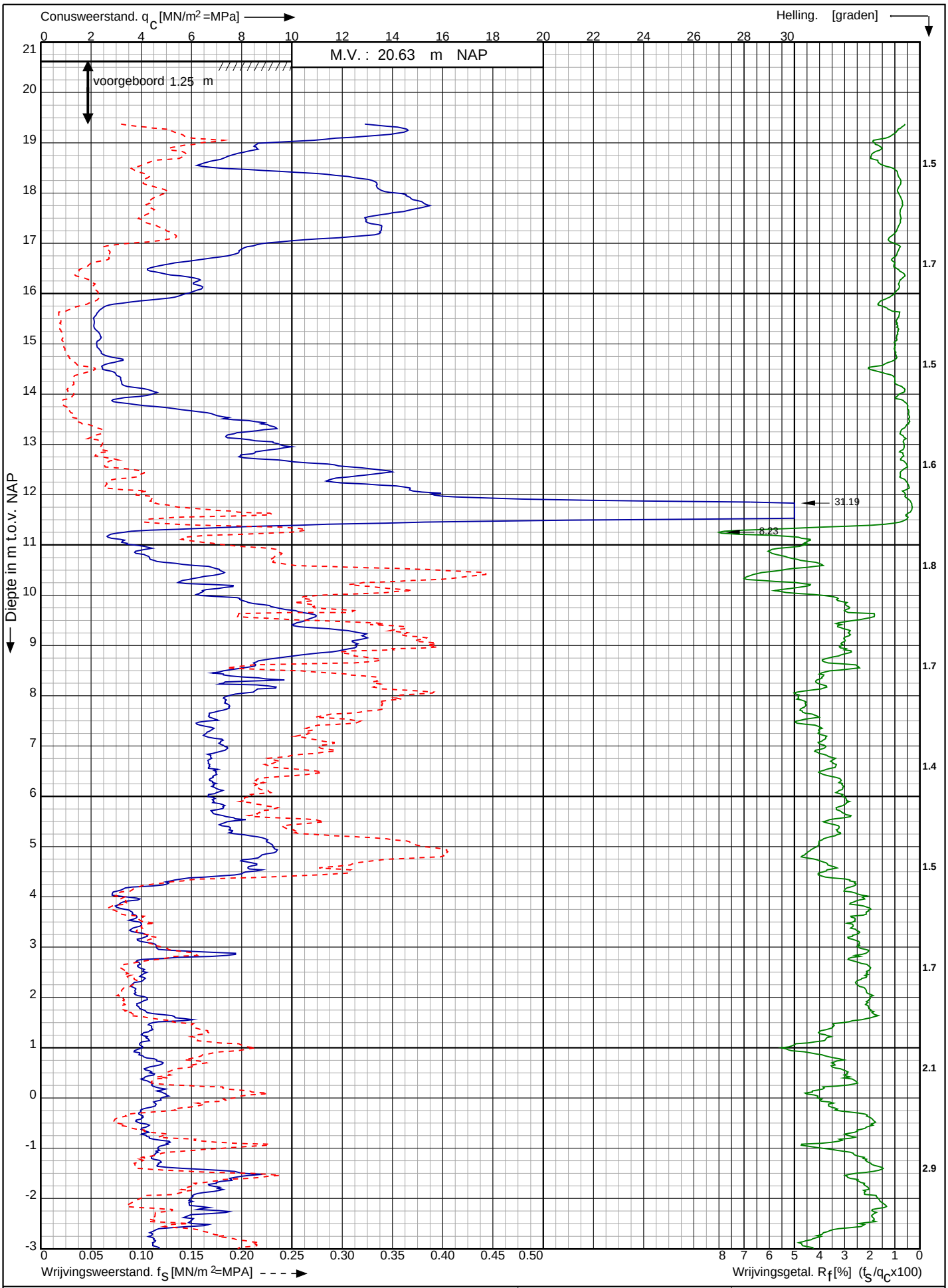


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 20-1-2021	
RD-coördinaten : X = 240712.26 Y = 459517.77	Sond. nr. : 8	

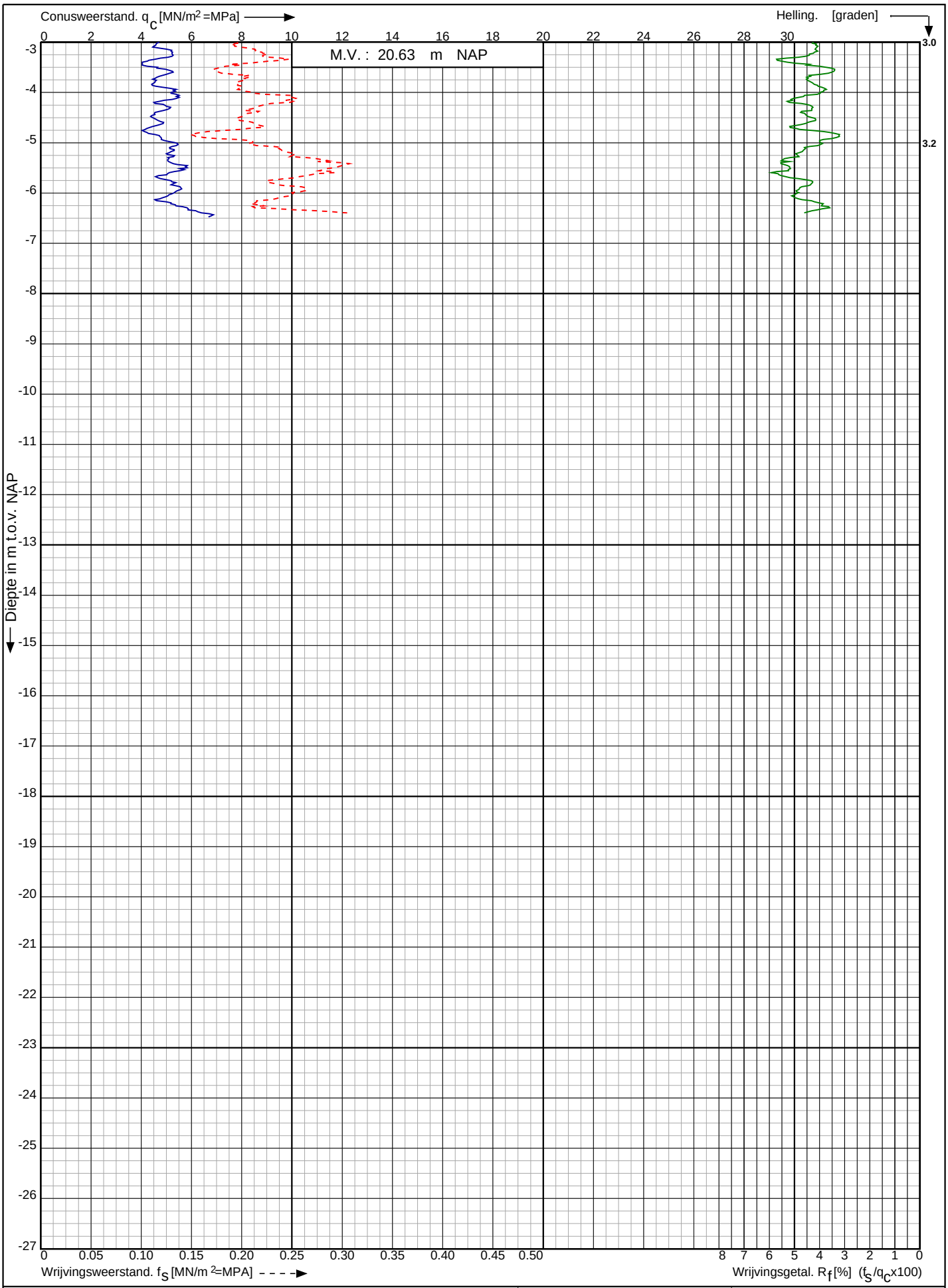


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240745.61 Y = 459553.26	Sond. nr. : 9	

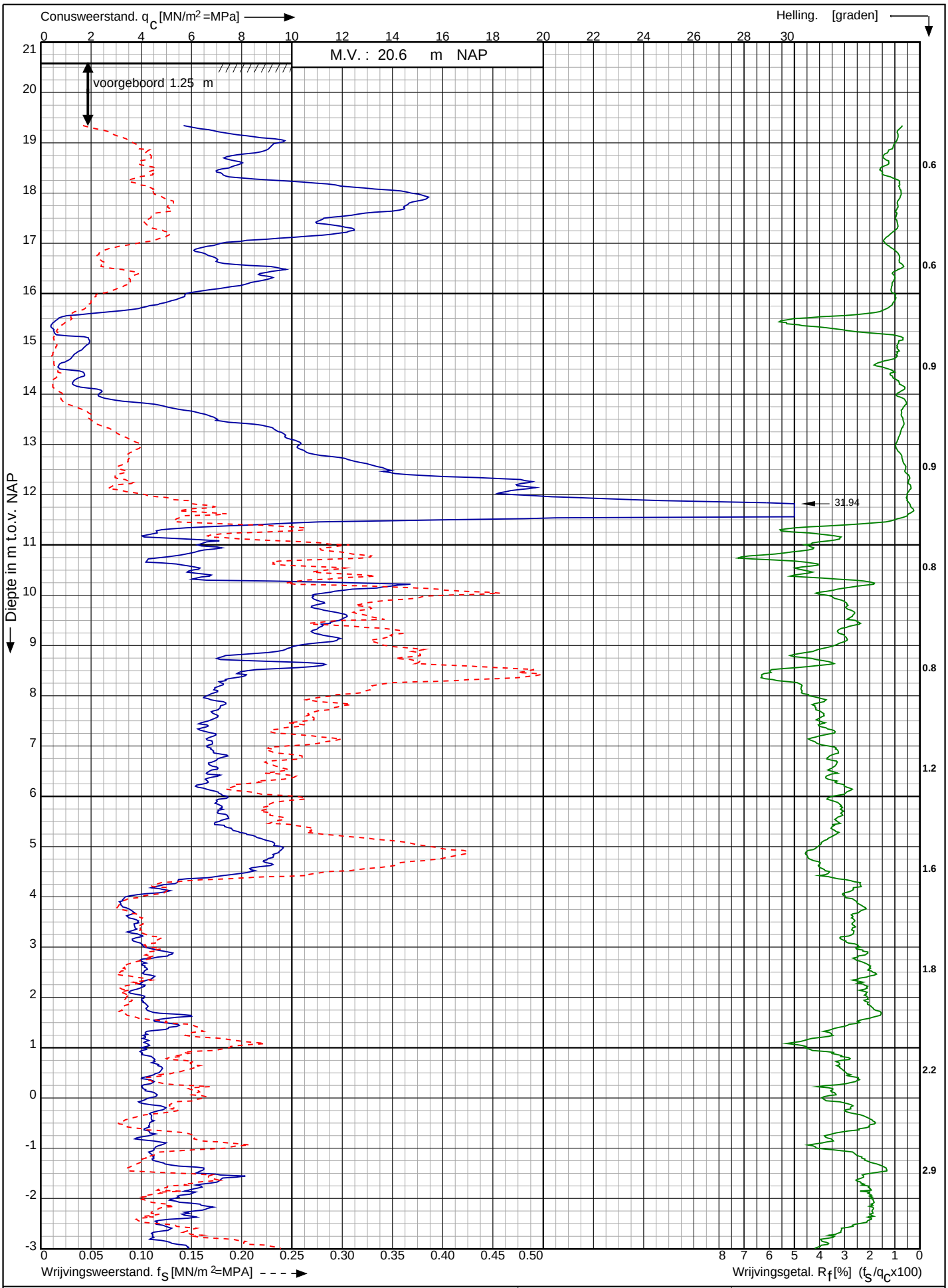


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240745.61 Y = 459553.26	Sond. nr. : 9	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

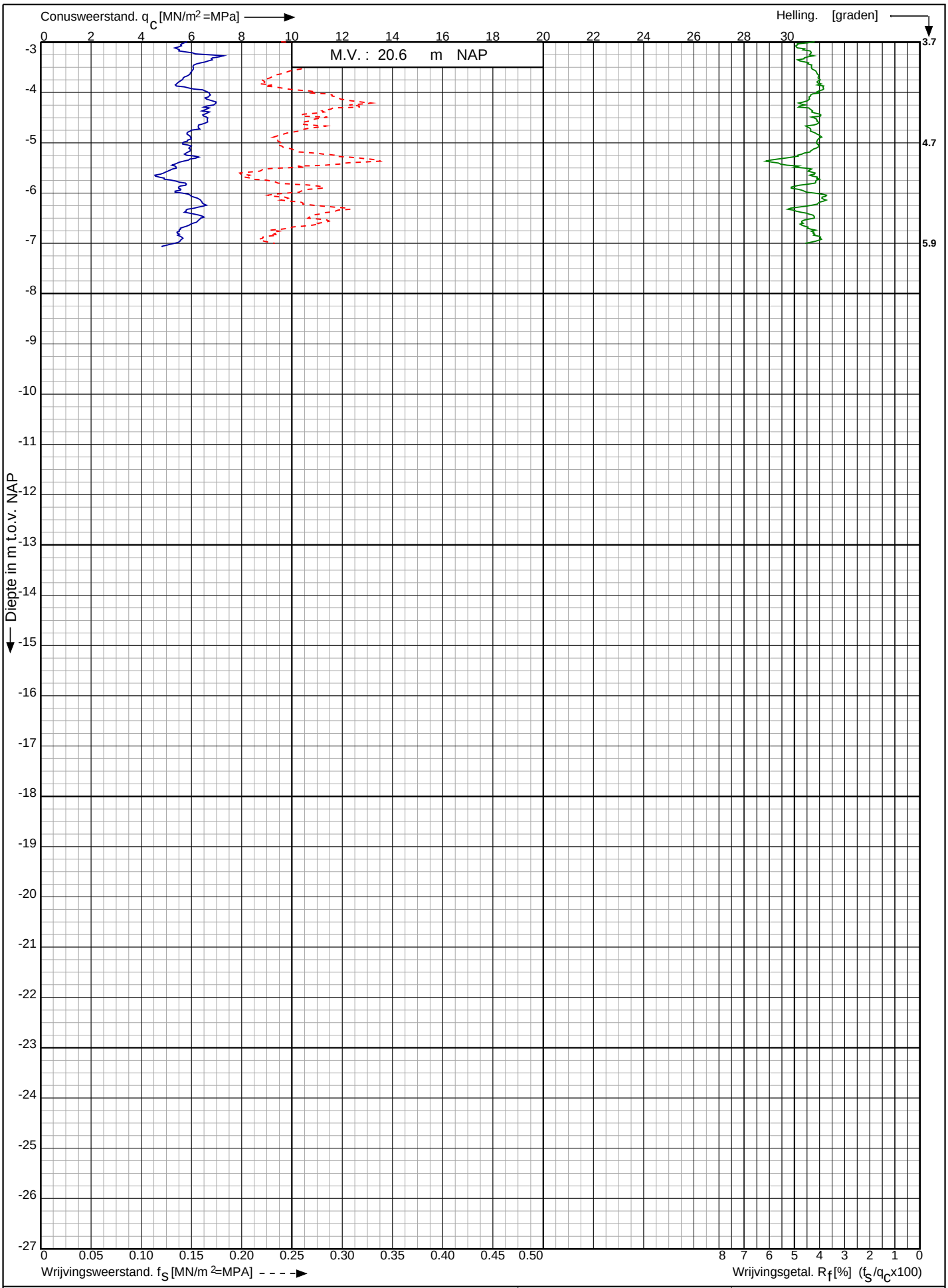
RD-coördinaten : X = 240751.78 Y = 459548.08

Opdr. nr. : 2021-0162

Datum uitv. : 21-1-2021

Sond. nr. : 10

Koops grondmechanica 0522 - 260 084

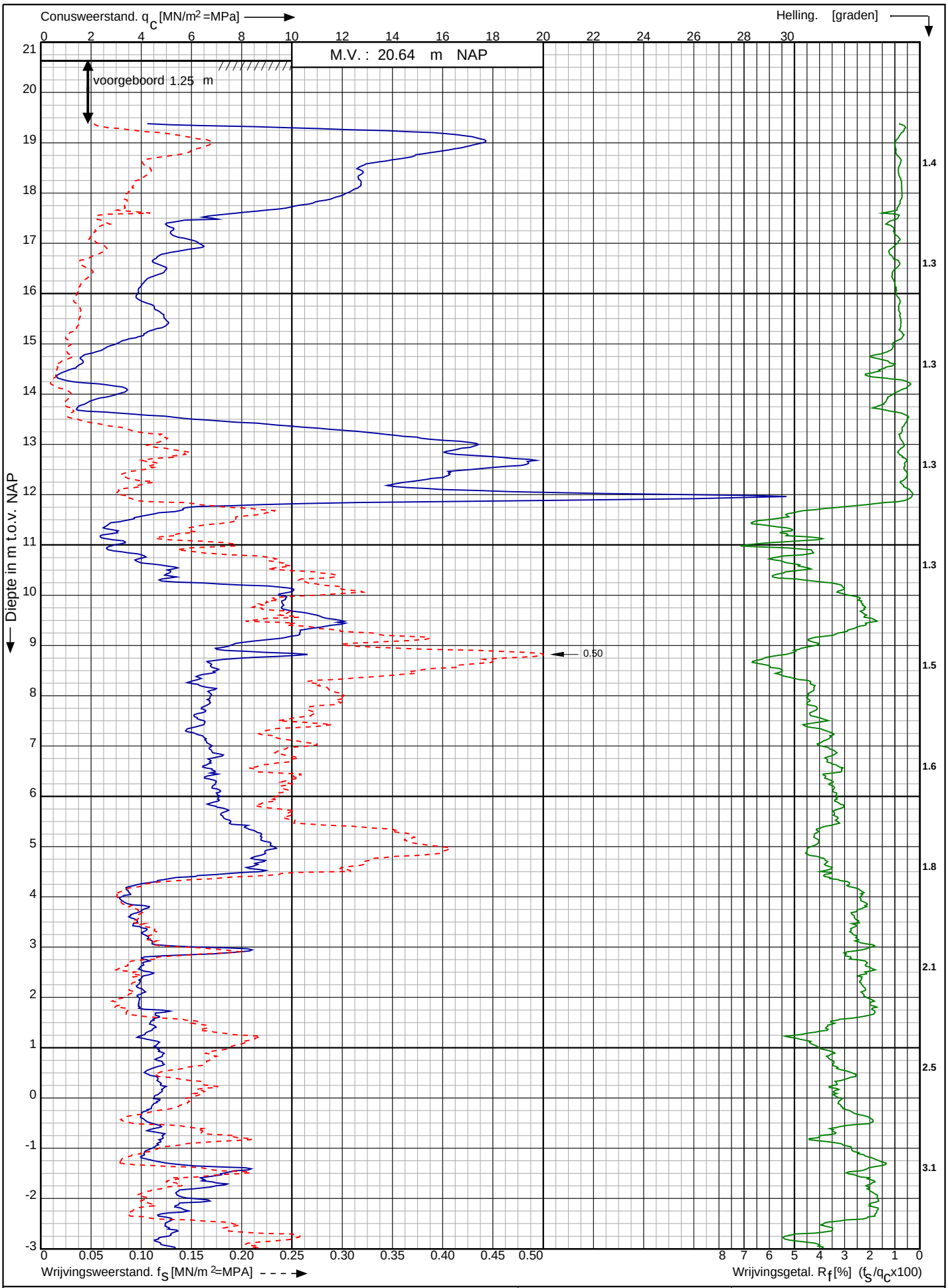


Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Conustype: cylindrisch elektrisch P15-CFII-15

Conusserienummer: 071108

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240751.78 Y = 459548.08	Sond. nr. : 10	

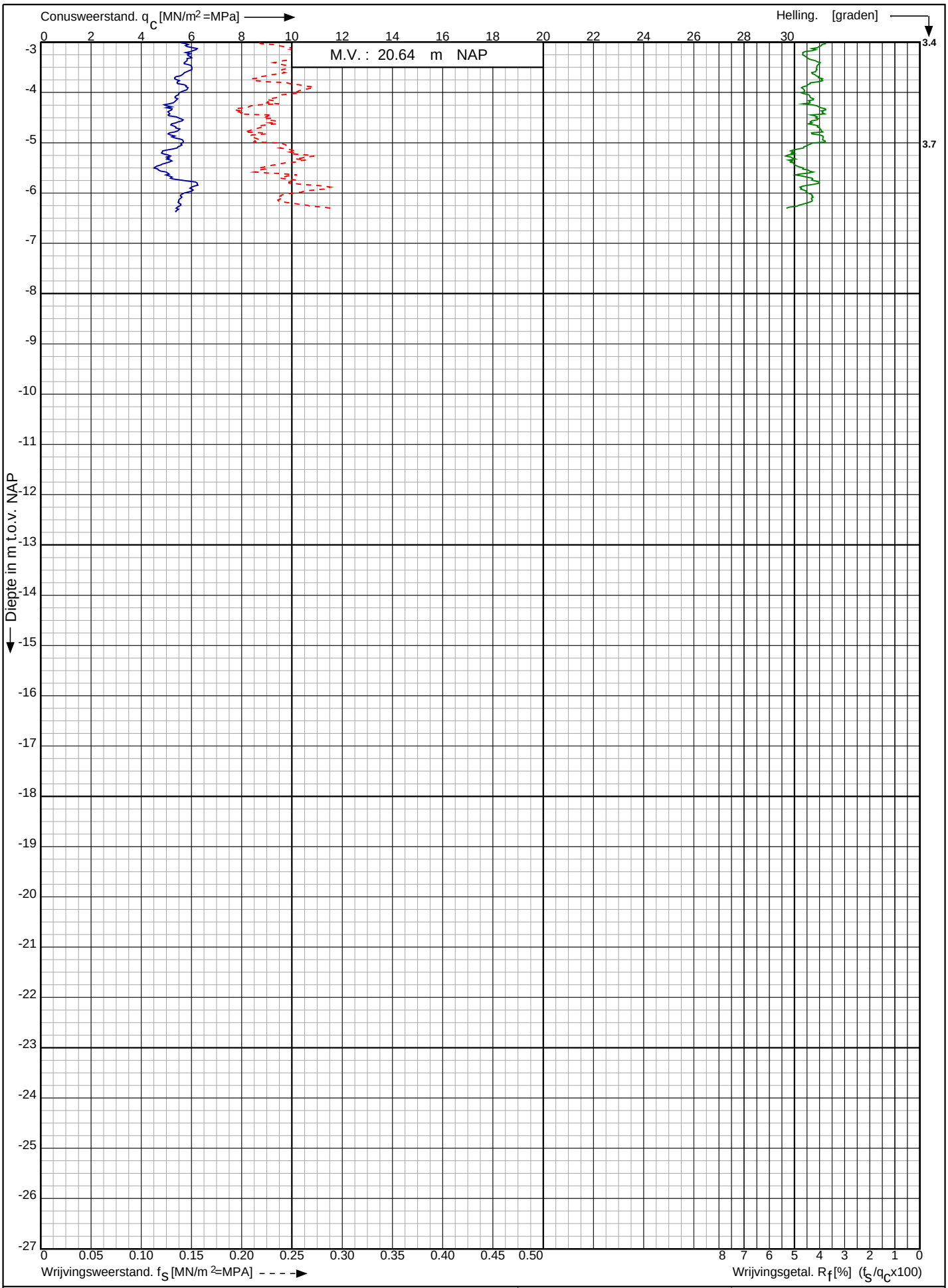


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240716.20 Y = 459508.57	Sond. nr. : 11	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

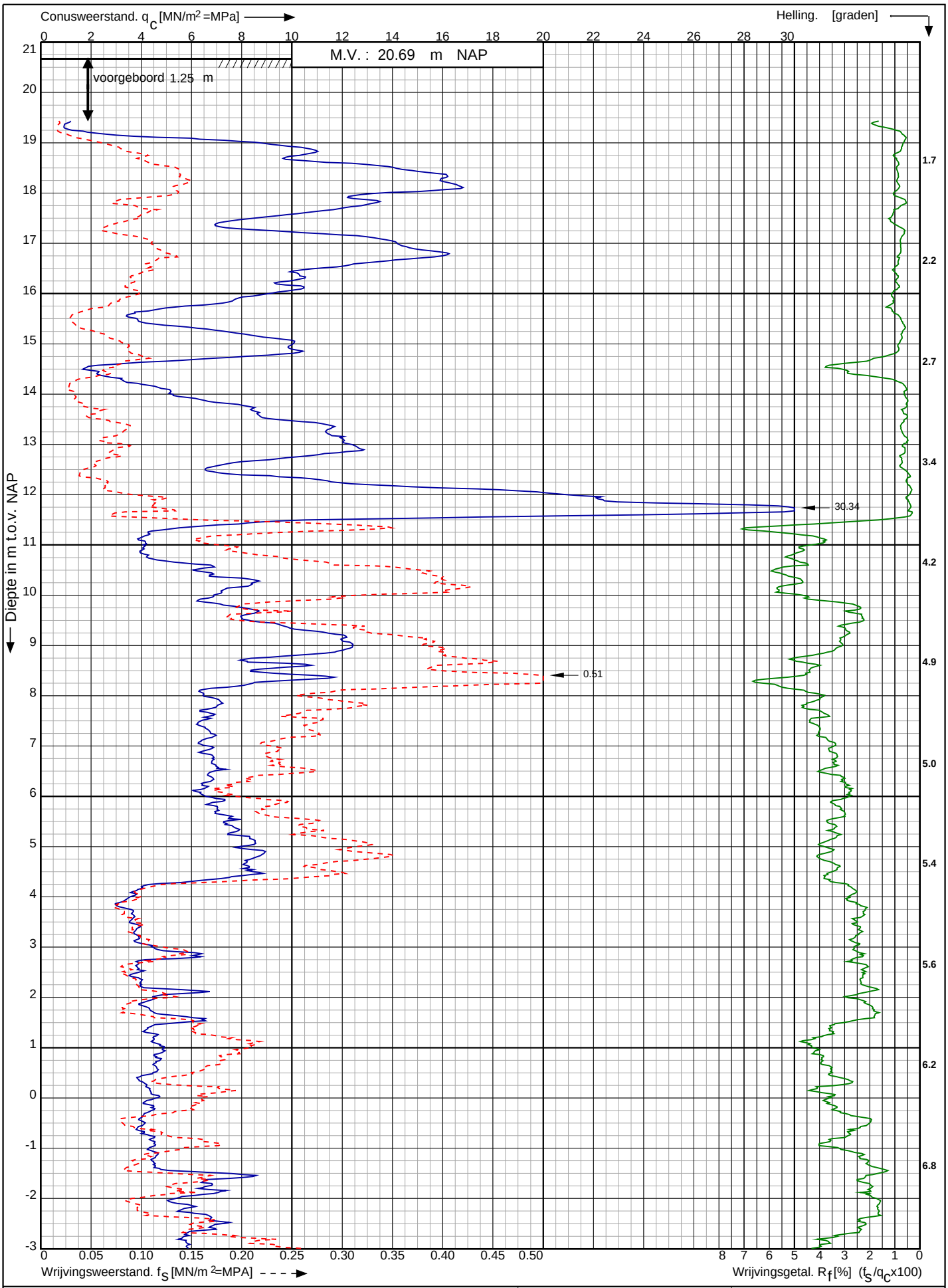
RD-coördinaten : X = 240716.20 Y = 459508.57

Opdr. nr. : 2021-0162

Datum uitv. : 21-1-2021

Sond. nr. : 11

Koops grondmechanica 0522 - 260 084

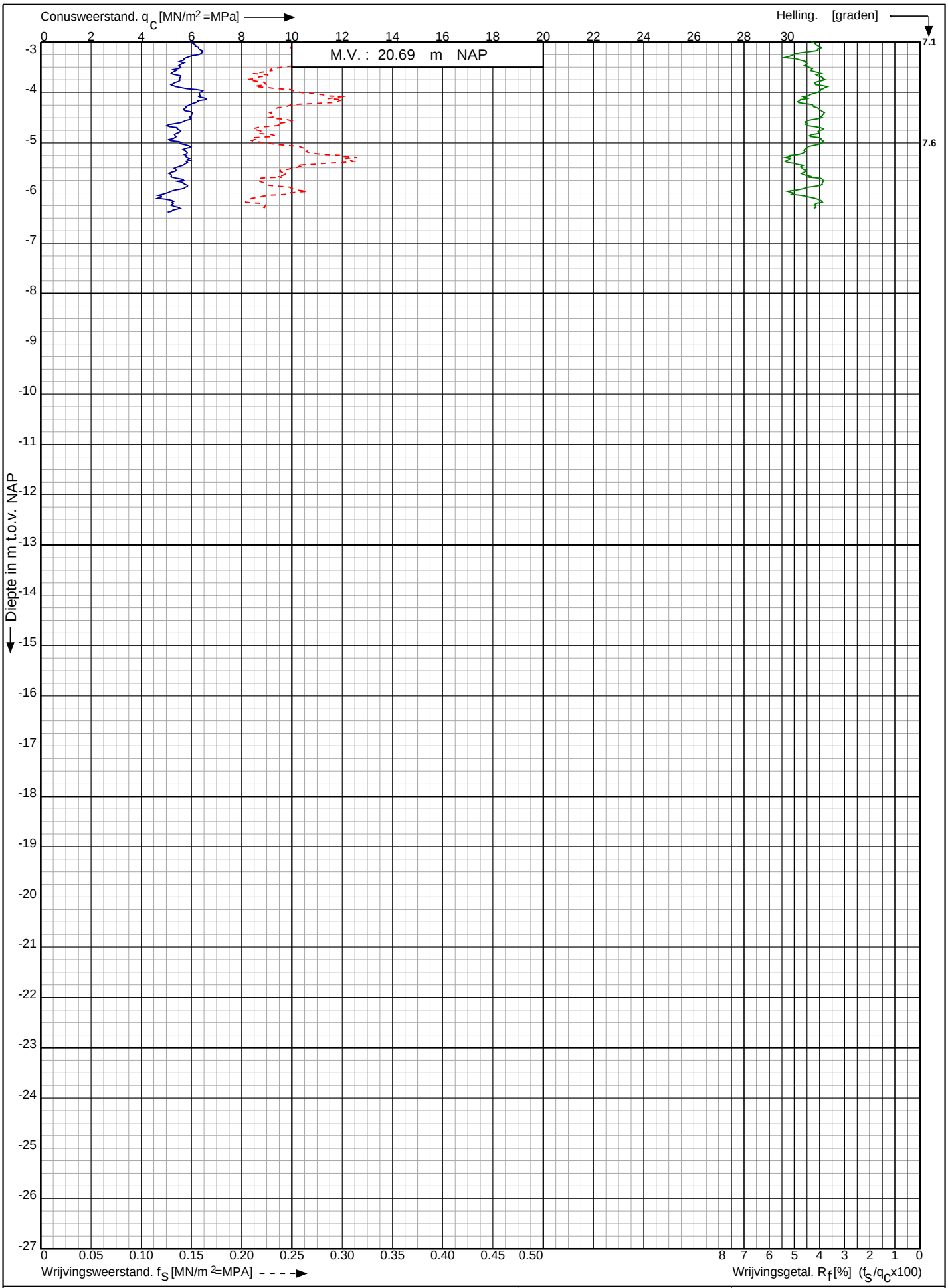


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 21-1-2021	0522 - 260 084
RD-coördinaten : X = 240760.26 Y = 459551.63	Sond. nr. : 12	

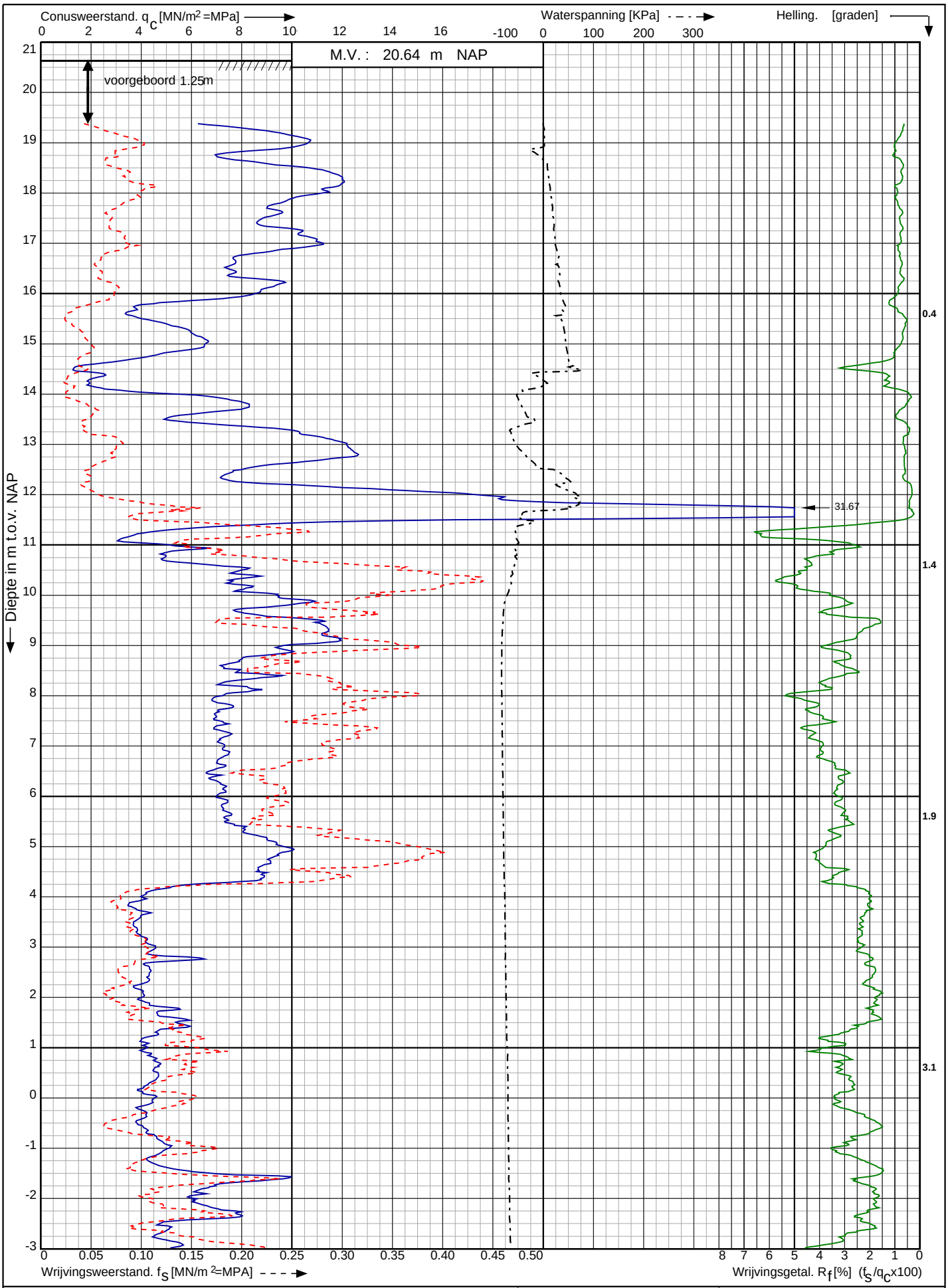


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240760.26 Y = 459551.63	Sond. nr. : 12	

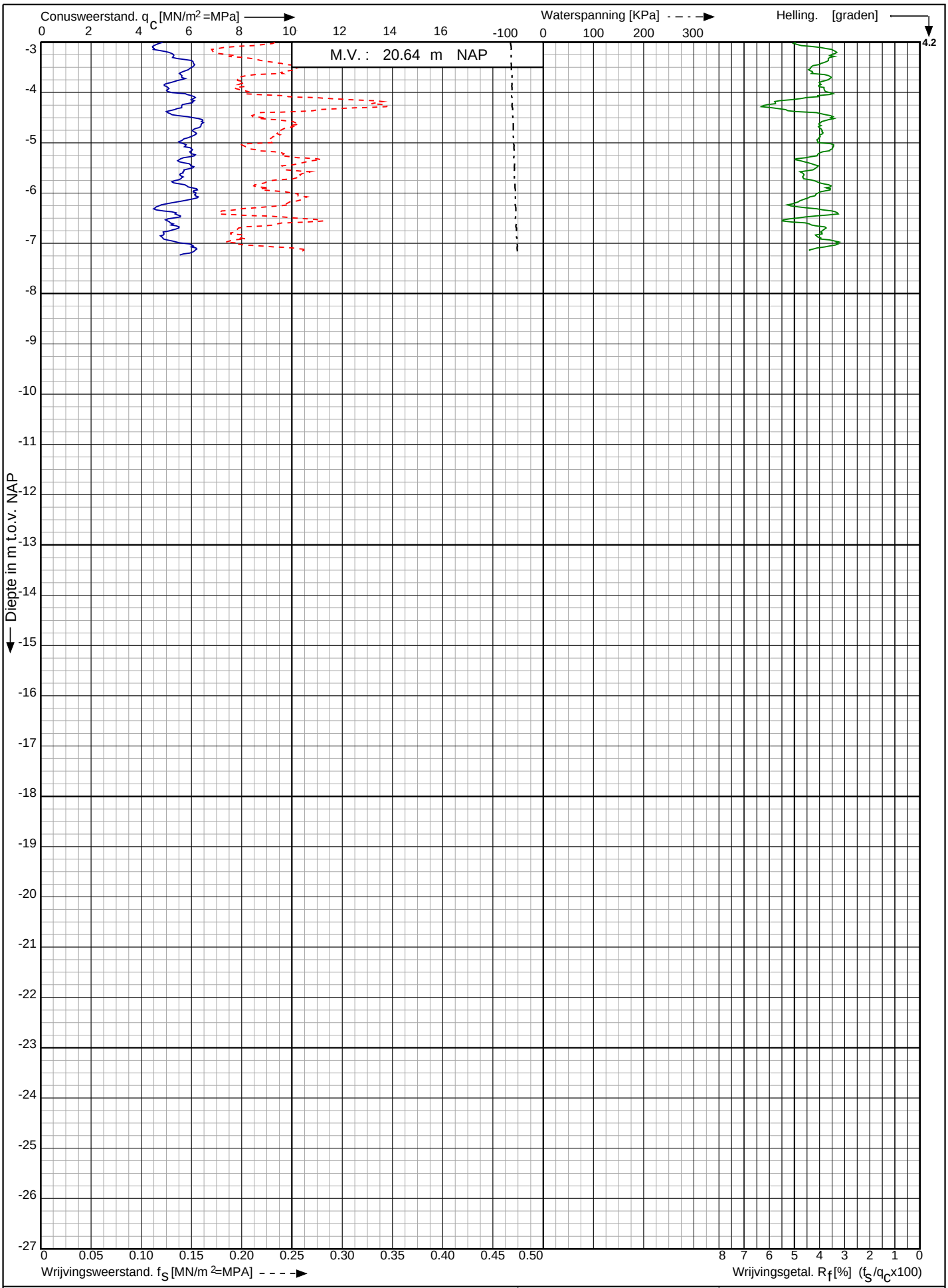


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240754.44 Y = 459556.97	Sond. nr. : 13	0522 - 260 084

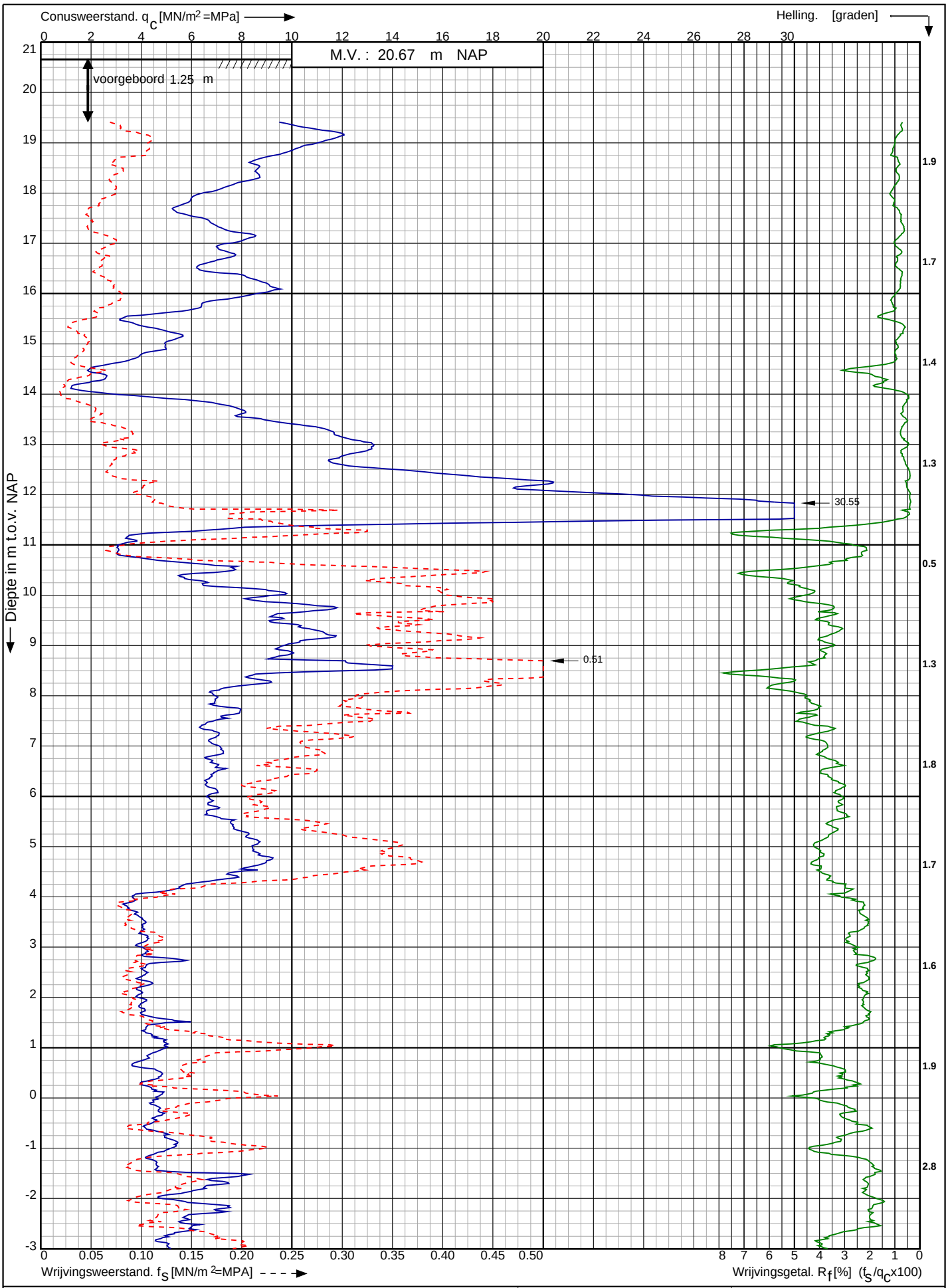


Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Conustype: cylindrisch elektrisch P15-CFIIP-15

Conusserienummer: 071108

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240754.44 Y = 459556.97	Sond. nr. : 13	

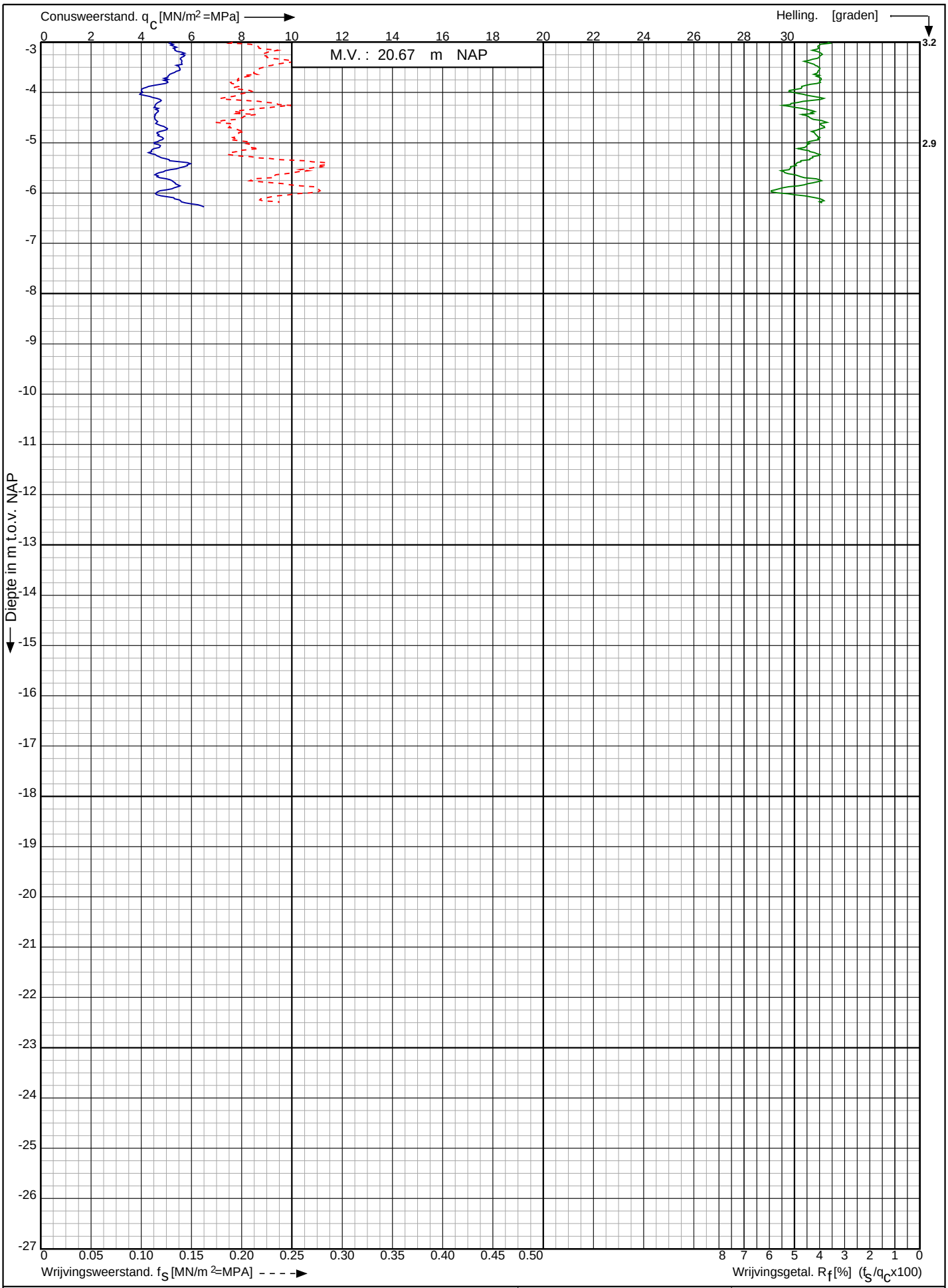


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240748.51 Y = 459562.24	Sond. nr. : 14	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240748.51 Y = 459562.24

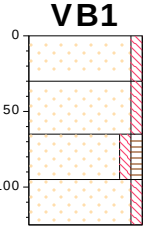
Opdr. nr. : 2021-0162

Datum uitv. : 21-1-2021

Sond. nr. : 14

Koops grondmechanica 0522 - 260 084

VB1



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240708.29**
y **459513.88**

, NAP

2068 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

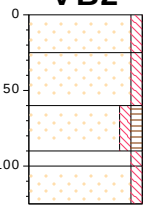
2038 zand, matig grof, zwak siltig, neutraal grijs, edelman

2003 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1973 zand, matig grof, zwak siltig, licht bruin, grijs, sporen roest, edelman

1943 VB1 bij DKP1

VB2



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240724.89**
y **459533.09**

, NAP

2063 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

2038 zand, uiterst grof, zwak siltig, neutraal bruin, edelman

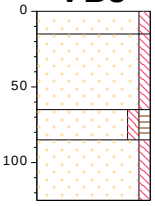
2003 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1973 zand, matig grof, zwak siltig, donker bruin, edelman

1963 zand, matig grof, zwak siltig, neutraal grijs, edelman

1938 VB2 bij DKM2

VB3



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240731.01**
y **459527.79**

, NAP

2060 zand, matig grof, zwak siltig, donker grijs, edelman

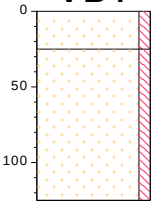
2045 zand, matig grof, zwak siltig, neutraal grijs, edelman

1995 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1975 zand, matig grof, zwak siltig, neutraal grijs, edelman

1935 VB3 bij DKM3

VB4



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240719.38**
y **459512.12**

, NAP

2063 zand, matig grof, zwak siltig, donker grijs, edelman

2038 zand, matig grof, zwak siltig, neutraal grijs, edelman

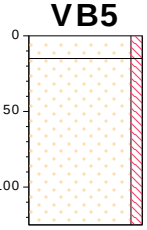
1938 VB4 bij DKM4

bodemprofielen **schaal 1:50**

onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

VB5



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240740.24**
y **459530.79**

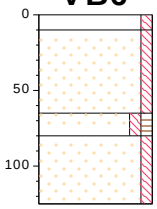
, NAP

2061 zand, matig grof, zwak siltig, donker grijs, edelman

2046 zand, matig grof, zwak siltig, neutraal grijs, edelman

1936 VB5 bij DKM5

VB6



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240733.68**
y **459536.79**

, NAP

2064 zand, matig grof, zwak siltig, donker grijs, edelman

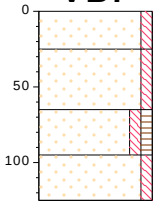
2054 zand, matig grof, zwak siltig, neutraal grijs, edelman

1999 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1984 zand, matig grof, zwak siltig, neutraal grijs, edelman

1939 VB6 bij DKP6

VB7



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240727.81**
y **459541.99**

, NAP

2070 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

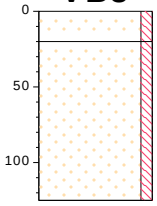
2045 zand, uiterst grof, zwak siltig, neutraal bruin, grijs, edelman

2005 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1975 zand, matig grof, zwak siltig, neutraal grijs, edelman

1945 VB7 bij DKM7

VB8



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240712.26**
y **459517.77**

, NAP

2069 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

2049 zand, matig grof, zwak siltig, neutraal grijs, bruin, sporen roest, edelman

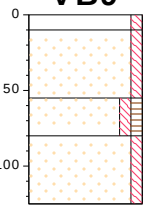
1944 VB8 bij DKM8

bodemprofielen **schaal 1:50**

onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

VB9



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240745.61**
y **459553.26**

, NAP

2063 zand, matig grof, zwak siltig, donker grijs, edelman

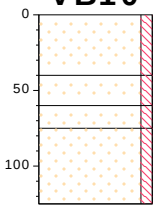
2053 zand, zeer grof, zwak siltig, neutraal bruin, grijs, zwak grind, edelman

2008 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1983 zand, matig grof, zwak siltig, neutraal grijs, edelman

1938 VB9 bij DKM9

VB10



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240751.78**
y **459548.08**

, NAP

2060 zand, zeer grof, zwak siltig, neutraal bruin, grijs, edelman

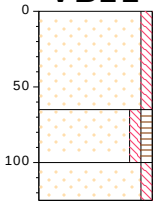
2020 zand, matig grof, zwak siltig, neutraal grijs, edelman

1999 zand, matig grof, zwak siltig, donker grijs, edelman

1985 zand, matig grof, zwak siltig, neutraal grijs, edelman

1935 VB10 bij DKM10

VB11



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240716.20**
y **459508.57**

, NAP

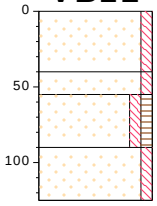
2064 zand, matig grof, zwak siltig, neutraal grijs, sporen roest, edelman

1999 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1964 zand, matig grof, zwak siltig, neutraal grijs, bruin, edelman

1939 VB11 bij DKM11

VB12



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240760.26**
y **459551.63**

, NAP

2069 zand, matig grof, zwak siltig, donker grijs, edelman

2029 zand, matig grof, zwak siltig, neutraal bruin, edelman

2014 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1979 zand, matig grof, zwak siltig, neutraal grijs, edelman

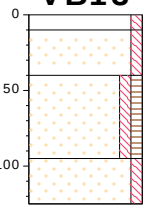
1944 VB12 bij DKM12

bodemprofielen **schaal 1:50**

onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

VB13



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240754.44**
y **459556.97**

, NAP

2064 zand, matig grof, zwak siltig, donker grijs, edelman

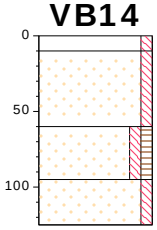
2054 zand, zeer grof, zwak siltig, neutraal bruin, grijs, edelman

2024 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1969 zand, matig grof, zwak siltig, neutraal grijs, edelman

1939 VB13 bij DKP13

VB14



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240748.51**
y **459562.24**

, NAP

2067 zand, matig grof, zwak siltig, donker grijs, edelman

2057 zand, matig grof, zwak siltig, neutraal bruin, grijs, edelman

2007 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1972 zand, matig grof, zwak siltig, neutraal grijs, edelman

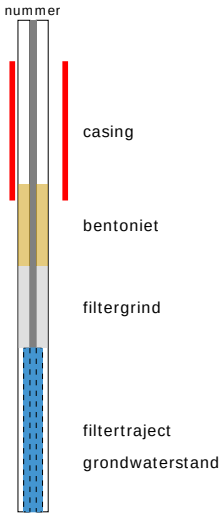
1942 VB14 bij DKM14

bodemprofielen **schaal 1:50**

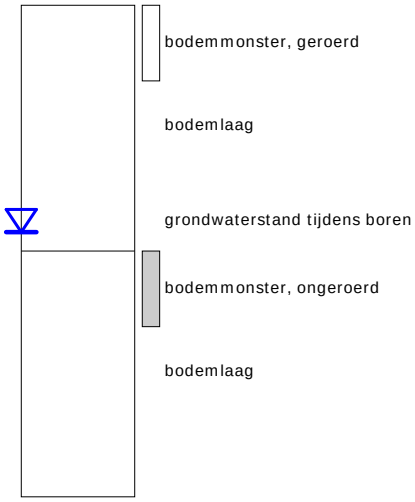
onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

PEILBUIS



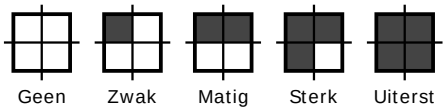
BORING



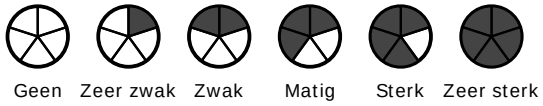
links= cm-maaiveld

rechts= cm+ NAP

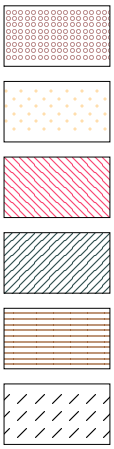
OLIE OP WATER REACTIE



GEUR INTENISTEIT



GRONDSOORTEN



GRIND, grindig (G,g)

ZAND, zandig (Z,z)

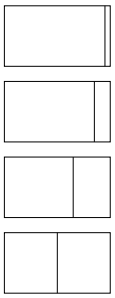
LEEM, siltig (L,s)

KLEI, kleiig (K,k)

VEEN, humeus (V,h)

slib

MATE VAN BIJMENGING



zwak - (0-5%)

matig - (5-15%)

sterk - (15-50%)

uiterst - (> 50%)

VERHARDINGEN

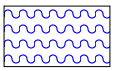
asfalt, beton, klinkers, tegels
stelconplaat, ondoordringbare laag

GRADATIE ZAND

uf = uiterst fijn (63-105 um)
zf = zeer fijn (105-150 um)
mf = matig fijn (150-210 um)
mg = matig grof (210-300 um)
zg = zeer grof (300-420 um)
ug = uiterst grof (420-2000 um)

OVERIG

bodemvreemde bestandsdelen aanwezig



water

GRADATIE GRIND

f = fijn (2-5.6 mm)
mg = matig grof (5.6-16 mm)
zg = zeer grof (16-63 mm)

BESCHRIJVING BODEMLAAG

pid = foto ionisatie detector
bv = bodemvocht
ow = olie op water

Aansluiting station Eibergen

Ontwerpnota lijnen aansluiting station Eibergen

TenneT

11 maart 2021

Project	EU-200 Aansluiting op 110 kV-station Eibergen
Opdrachtgever	TenneT

Document	Ontwerpnota lijnen aansluiting station Eibergen
Status	Definitief
Datum	10 maart 2021
Referentie	123907/21-003.946

Projectcode	[redacted]
Projectleider	[redacted]
Projectdirecteur	[redacted]

Auteur(s)	[redacted]
Gecontroleerd door	[redacted]
Goedgekeurd door	[redacted]
Paraaf	[redacted]

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H Grondmechanisch onderzoek station Eibergen

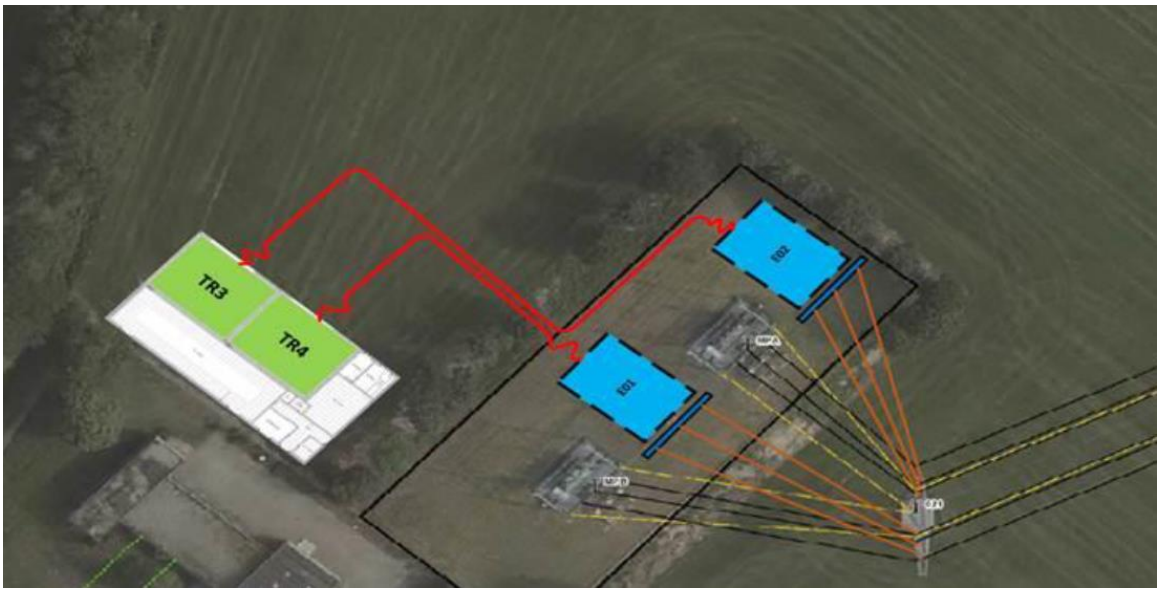
1

INLEIDING

1.1 Algemeen

Als onderdeel van het project Aansluiting op 110 kV-station Eibergen zijn onder andere twee nieuwe transformatorvelden E01 en E02 voorzien. Deze transformatorvelden worden beiden voorzien van nieuwe portaalconstructies. Tussen de mast 21 en de afspanportalen wordt voorts een nieuw daknet voorzien. Naast een basisontwerp van afspanportalen en daknet is in het kader van deze basisontwerpfase mast 21 en bijbehorende fundering constructief getoetst en is een indicatie gegeven van de vereiste versterkingsmaatregelen. Het Basisontwerp dient in een opvolgende Detailontwerpfase nader te worden uitgewerkt.

Afbeelding 1.1 Overzicht van het nieuw te bouwen station EBG110



1.2 Scope basisontwerp

Het Basisontwerp bevat de navolgende onderdelen:
- basisontwerp nieuw daknet tussen mast 21 en de nieuwe afspanportalen bij transformatorvelden E01 en E02;
- dimensionering nieuwe afspanportalen inclusief fundatie;
- toetsing mastconstructie en mastfundatie onder afkeurniveau met een referentieperiode van 30 jaar;
- vaststellen benodigde versterkingen mastconstructie en mastfundatie;
- toetsing versterkte mastconstructie onder verbouwniveau met een referentieperiode van 50 jaar.

1.3 Leeswijzer

- Hoofdstuk 2 beschrijft de gehanteerde uitgangspunten en randvoorwaarden;
- Hoofdstuk 3 beschrijft de gehanteerde belastingen en belastingcombinaties;
- Hoofdstuk 4 beschrijft de gehanteerde toetsingscriteria;
- Hoofdstuk 5 beschrijft de nieuwe situatie voor geleiders en isolatoren;
- Hoofdstuk 6 beschrijft de controle van de bestaande mastconstructie met aangepast daknet;
- Hoofdstuk 7 beschrijft de toetsing van de versterkte mastconstructie;
- Hoofdstuk 8 beschrijft de controle van de bestaande fundatie van de mastconstructie met aangepast daknet alsook een basisontwerp voor versterking van de fundatie;
- Hoofdstuk 9 beschrijft de globale dimensionering van de afspanportalen en bijbehorende fundatie.

2

UITGANGSPUNTEN EN RANDVOORWAARDEN

2.1 Normen en specificities

2.1.1 Europese en Nederlandse normen

Er is gebruik gemaakt van de volgende normen en voorschriften:
- NEN-EN 1990+A1:2006+A1:2006/C2:2019/NB:2019, 'Eurocode: Grondslagen van het constructief ontwerp';
- NEN-EN 1991-1-1+C1+C11/NB:2019 'Eurocode 1: Belastingen op constructies - Deel 1-1: Algemene belastingen – Volumieke gewichten, eigen gewicht en gebruiksbelastingen voor gebouwen';
- NEN-EN 1991-1-4+A1+C2/NB/NB:2019 'Eurocode 1: Belastingen op constructies - Deel 1-4: Algemene belastingen – Windbelasting';
- NEN-EN 1992-1-1+C2/NB+A1, 'Eurocode 2: Ontwerp en berekening van betonconstructies - Deel 1- 1: Algemene regels en regels voor gebouwen';
- NEN-EN 1993-1-1+C2+A1:2016/NB:2016, 'Eurocode 3: Ontwerp en berekening van staalconstructies, deel 1-1: algemene regels en regels voor gebouwen';
- NEN-EN 1993-1-8+C2:2011/NB:2011 nl, 'Ontwerp en berekening van staalconstructies, deel 1-8: ontwerp en berekening van verbindingen';
- NEN-EN 1993-3-1:2007/NB:2012, 'Eurocode 3: Ontwerp en berekening van staalconstructies -
- Deel 3-1: Torens, masten en schoorstenen - Torens en masten';
- NEN 9997-1+C2:2017 Geotechnisch ontwerp van constructies - Deel 1: Algemene regels;
- NEN EN 50341-1:2013, 'Overhead electrical lines exceeding AC 1 kV - Part 1: General requirements – Common';
- NEN EN 50341-2-15:2019, 'Overhead electrical lines exceeding AC 1 kV Part 2 National Normative Aspects (NNA) for THE NETHERLANDS';
- NEN 8700:2011, 'Grondslagen voor de constructieve beoordeling van bestaande bouw en het constructief ontwerp ten behoeve van verbouw';
- NEN 8701:2011+A1:2020, 'Belastingen voor bestaande bouw';
- NEN 8707:2018+C1:2020, 'Geotechnisch ontwerp - Beoordeling van de constructieve veiligheid van een bestaand bouwwerk'.

Voor het toetsen van de constructieve veiligheid zal gebruik gemaakt worden van NEN 8700 en de Eurocode-normenreeks. Voor de elektrische aspecten geldt: Interne en externe spanningsafstanden conform NEN 50341-2-15.

2.1.2 TenneT-specificaties

De aangehouden TenneT-specificaties zijn opgenomen in bijlage G.

2.2 Uitgangspunten lijnen

2.2.1 Uitgangspunten tracé

Het meegeleverde PLS CADD model en de volgende tekeningen zijn gebruikt voor het bepalen van de tracés van de geleiders:
- r20 (50 graden) 20150716 (PLS CADD model)

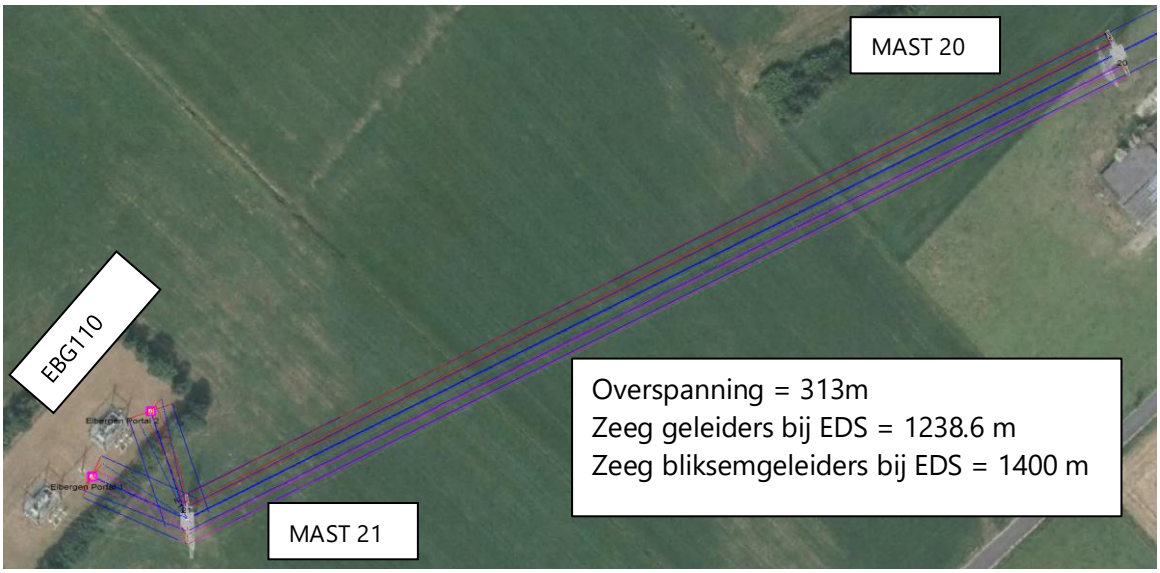
2.2.2 Uitgangspunten geleiders

- Het bestaande geleidertype tussen mast 20 en 21 en het daknet tussen mast 21 en de afspanportalen betreft Ostrich ACSR;
- de aanwezige bliksemdraden betreffen het type Seil 50.

- De zeeg van de geleiders tussen mast 20 en 21 betreft 1238m bij EDS;
- voor de zeeg van de bliksemgeleiders tussen mast 20 en 21 is 1400m bij EDS aangehouden.

Voorts zijn de volgende uitgangspunten aangehouden:
- de aangehouden maximale temperatuur van de geleiders bedraagt 50°C;
- de aangehouden minimum temperatuur van de geleiders bedraagt -20°C;
- voor de EDS grenstoestand wordt een temperatuur van 10°C aangehouden.

Afbeelding 2.1 Bovenaanzicht geleiders



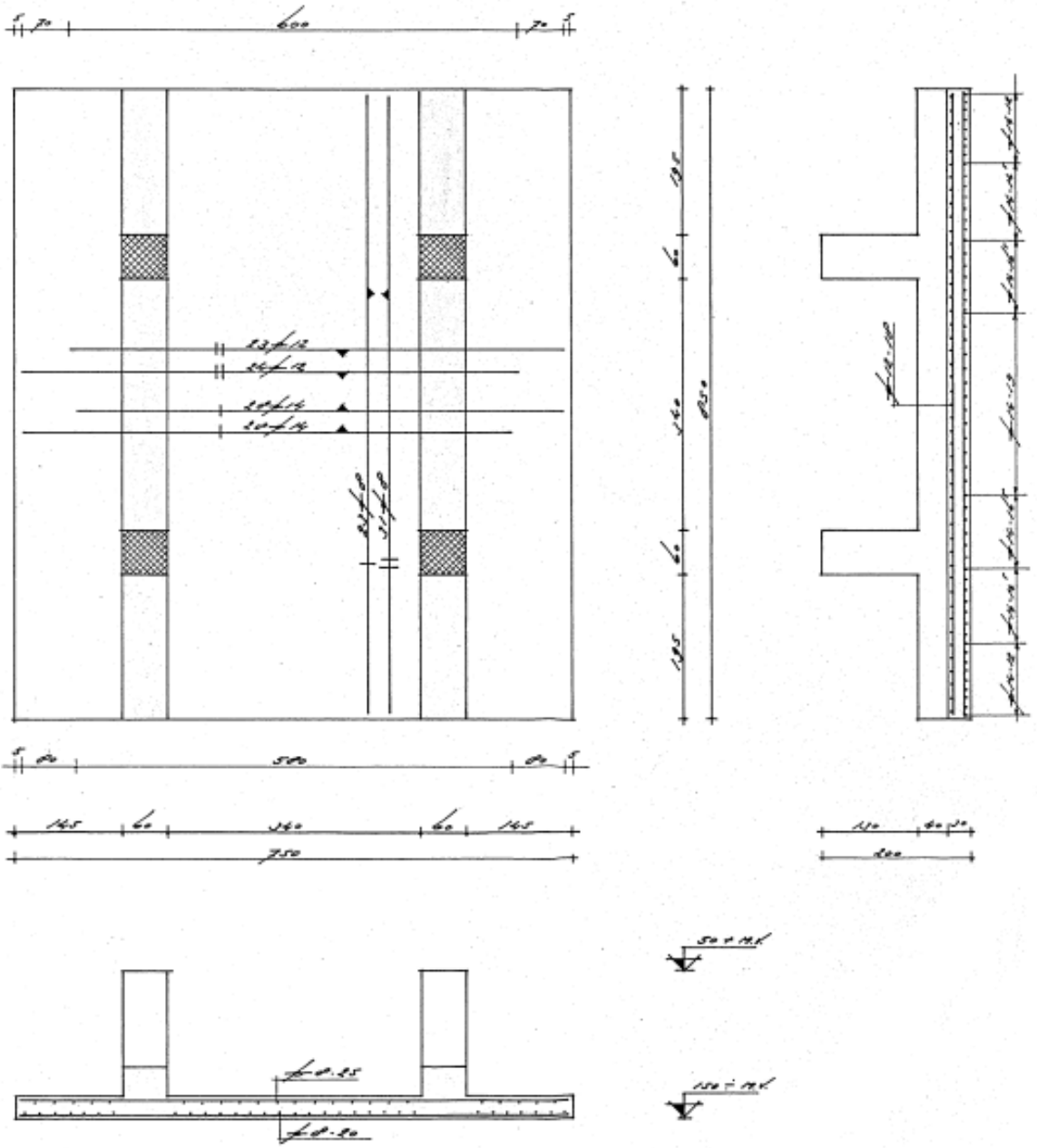
2.2.3 Uitgangspunten mastconstructie

De volgende tekeningen zijn gebruikt om de bestaande mastconstructie te kunnen vaststellen. Deze zijn opgenomen in bijlage F:
- R20-6796_17;
- R20-6796_18;
- R20-6796_19;
- R20-6796_40.

2.2.4 Uitgangspunten bestaande fundatie

Mast 21 is in de bestaande situatie gefundeerd op een fundering op staal (zie onderstaande afbeelding). Voor een volledig overzicht, zie bijlage F. In deze Basisontwerpfase zijn geen materiaalonderzoeken ten aanzien van de fundering voorzien. Deze zullen naar opgaaf van TenneT in een later stadium plaatsvinden. De uitgevoerde toetsing in deze Basisontwerpfase beperkt zich dan ook tot een constructieve toetsing, waarbij het thema duurzaamheid buiten beschouwing is gelaten.

Afbeelding 2.2 Bestaande fundering mast 21 , zie ook 11.32.4.4_MT_T3_00005_HBG-EBG110 021



2.2.5 Uitgangspunten isolatorkettingen

De isolatorkettingen dienen op basis van PVE.05.000 te voldoen aan SPE.05.350. De eigenschappen van Sediver Insulator U100BL worden als uitgangspunt gehanteerd.

Tabel 2-1: Glaskap isolator eigenschappen

Glastype	U100BL
rating	100 kN
eenheidsafstand	146 mm
diameter	255 mm
kruip	320 mm

2.2.6 Aannames in geval van ontbrekende informatie

De geometrie van de constructie die is aangehouden in de berekening is gebaseerd op de bestaande tekeningen, genoemd in dit hoofdstuk. In het geval gegevens ontbreken of onduidelijk zijn, zijn in overleg met Tennet aannames gemaakt:
- de staalkwaliteit van de bestaande mast is S235JR (aanname FE 360 op basis van de leeftijd van de mast);
- de boutkwaliteit van de bestaande mast is 4.6 (aanname op basis van leeftijd mast).

2.3 Materialen

2.3.1 Mastconstructie

Staalprofielen:
- bestaand: FE 360 A, uitgegaan van S235JR in de berekening (aanname);
- nieuw: S355JR;
- partiële factoren: $\gamma M1 = 1,0$; $\gamma M2 = 1,0$; $\gamma M3 = 1,25$.

Boutkwaliteit:
- bestaand: 4.6 (aanname);
- nieuw: 8.8;
- partiële factoren: $\gamma M1 = 1,0$; $\gamma M2 = 1,0$; $\gamma M3 = 1,25$.

2.3.2 Afspanportalen

Staalprofielen:
- nieuw: S355JR;
- partiële factoren: $\gamma M1 = 1,0$; $\gamma M2 = 1,0$; $\gamma M3 = 1,25$.

Boutkwaliteit:
- nieuw: 8.8;
- partiële factoren: $\gamma M1 = 1,0$; $\gamma M2 = 1,0$; $\gamma M3 = 1,25$.

2.3.3 Fundering

Betonkwaliteit:
- bestaand: K225, uitgegaan van C13/16 in berekening;
- nieuw: C30/37;
- partiële factoren: γc,blijvend = 1,5; γc,buitengewoon = 1,2.

Wapeningstaal:
- bestaand: QR40, uitgegaan van fyd = 348 N/mm2 in berekening;
- nieuw: B500B;
- partiële factoren: γs,blijvend = 1,15; γs,buitengewoon = 1,0.

Ankers:
- bestaand: S235 (aanname);
- partiële factoren: γs,blijvend = 1,15; γs,buitengewoon = 1,0.

2.3.4 Geleiders

In de onderstaande tabel zijn de gehanteerde eigenschappen van de geleiders weergegeven. Er is een partiële materiaalfactor γ = 1,25 aangehouden.

Tabel 2.1 Eigenschappen geleiders

	Eenheid	Seil 50	Ostrich
type	-	ACSR	ACSR
diameter	mm	14	17.272
totaalgewicht	kg/km	434.7	602.582
doorsnede oppervlak	mm2	116	176.774
UTS	N	41888.7	53823.5

2.4 Ontwerpcriteria

2.4.1 Mastconstructie en mastfundering

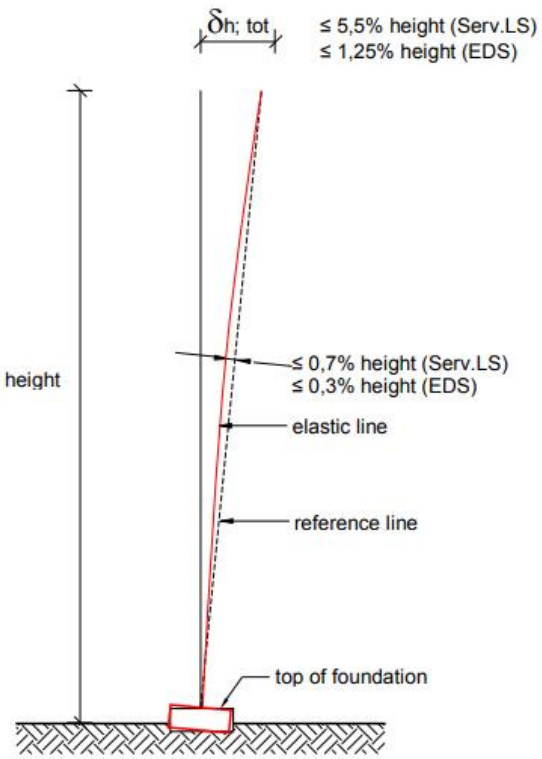
Gevolgklasse
De mast is ouder dan 15 jaar. Op basis van AM-req-0935(V1) van PVE.05.000 versie 3.2 dient mast 21 in gevolgklasse CC2-0 voor afkeurniveau en CC2 voor verbouwniveau te worden ingedeeld.

Controle mastconstructie (bestaande situatie) en toetsing versterkingen (nieuwe situatie)
Conform AM-req-0935(V1) van PVE.05.000 versie 3.2 dient de mastconstructie en -fundering conform NEN8700 afkeurniveau 30 jaar te worden gecontroleerd. Eventuele benodigde verzwaringen van de mastconstructie worden conform verbouwniveau 50 jaar bepaald (AM-Req-0952(V1)).
Volgens EM-Req-0953(V1) wordt voor verzwaringen van de funderingen een referentieperiode van 100 jaar gehanteerd.

Vervormingen
Horizontale vervormingen in de top:
- maximale horizontale vervorming voor serviceability limit state (SLS): ≤ 0,055 x hoogte;
- maximale horizontale vervorming voor every day stress (EDS): ≤ 0,0125 x hoogte.

Horizontale vervormingen ten opzichte van de referentielijn:
- maximale horizontale vervorming voor serviceability limit state (SLS): ≤ 0,007 x hoogte;
- maximale horizontale vervorming voor every day stress (EDS): ≤ 0,003 x hoogte.

Afbeelding 2.3 Maximaal toelaatbare vervormingen uit NEN EN 50341-2-15, figuur 3.3/NL.1



2.4.2 Afspanportalen t.p.v. transformatorvelden E01 en E02 en bijbehorende fundering

Voor de nieuw te bouwen afspanportalen ter plaatse van de transformatorvelden E01 en E02 en de bijbehorende fundering wordt CC2 en een levensduur van 50 jaar aangehouden gezien de gekoppelde functie met de mastconstructie.

2.5 Overige uitgangspunten

2.5.1 Uitgangspunten toe te passen onderdelen mastconstructie

Voor aanpassingen aan de mastconstructie gelden de volgende uitgangspunten:
- toe te passen bouten: M16/M20//M22;
- voor hoekstaal is de minimale afmeting L 50X50X5 mm o.b.v. SPE.05.346;
- minimale plaatdikte 6 mm.

2.5.2 Fundering mastconstructie

Voor de controle van de bestaande fundering gelden de volgende uitgangspunten:
- volumiek gewicht grond is 15 kN/m3 (aanname);
- maximaal toelaatbare gronddruk is 100 kN/m2 (aanname);
- verticale beddingsconstante grond is 5 MN/m3 (aanname).

2.6 Software

Voor het ontwerp en de berekening van de mastconstructie wordt gebruik gemaakt van PLS-Tower versie 16.51. Voor het ontwerp en de berekening van de geleiders wordt gebruik gemaakt van PLS-CADD versie 16.51.

3

BELASTINGEN

3.1 Mastconstructie en geleiders

3.1.1 Eigen gewicht

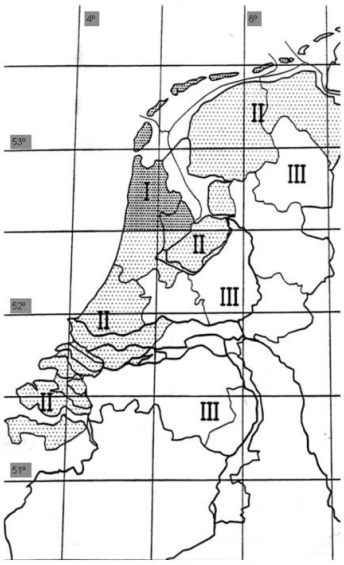
Eigen gewicht geleiders
Op basis van de opgegeven gewichten van de geleiders wordt zowel de belasting op de geleider bepaald als belasting die de geleider op de mastconstructie uitoefent. De longitudinale belasting door het eigen gewicht is temperatuur afhankelijk. Er wordt hier per belastingcombinatie rekening mee gehouden. De range bevindt zich tussen -20° en 10°.

Eigen gewicht mastconstructie
Het eigen gewicht van de mast wordt op basis van de gemodelleerde staven automatisch door het rekenprogramma bepaald. Via een manueel in te voeren vergrotingsfactor 'Dead load adjustment factor' wordt de invloed van schetsplaten, knikverkorters, bordesconstructies, klimvoorzieningen en bouten verdisconteerd.

3.1.2 Windbelasting

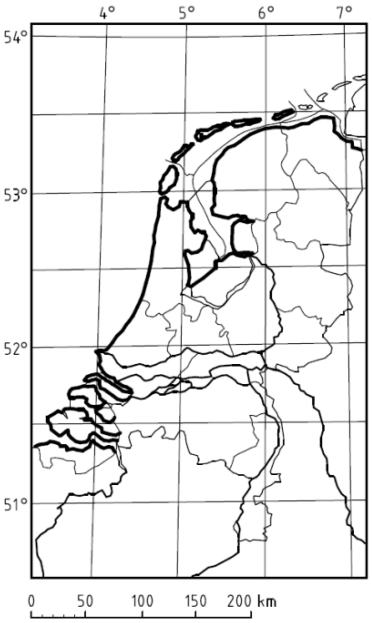
Windgebied
Afbeelding 3.1 is uit de nationale bijlage EN 50341-2-15 de windgebied-indeling van Nederland overgenomen. De hoogspanningslijn is schematisch aangegeven. De plaats van de lijn in de provincie Gelderland valt in het windgebied III.

Afbeelding 3.1 Windgebieden Nederland met ligging van hoogspanningslijn overgenomen uit NEN EN 50341-2-15, figuur 4.3/NL.2



Volgens NEN EN 50341-2-15 art. 4.3.4 NL1 wordt de provincie Gelderland beschouwd als een 'onbebouwde omgeving'.

Afbeelding 3.2 Terreincategorie 'kustgebied' overgenomen uit NEN-EN 50341-2-15, figuur 4.3/NL.3



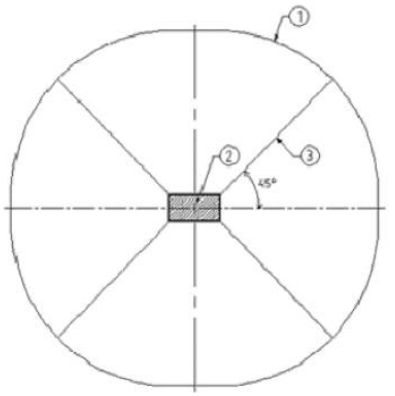
De basiswaarden van de stuwdruk voor de onbebouwde omgeving en kustzone zijn in Tabel 3.1 weergegeven.

Tabel 3.1 Stuwdrukwaardentabel overgenomen uit NEN-EN 50341-2-15

Height (z)	Zone I [kN/m²]		Zone II [kN/m²]		Zone III [kN/m²]
m	coast	non urban	coast	non urban	non urban
1	0,93	0,71	0,78	0,60	0,49
2	1,11	0,71	0,93	0,60	0,49
3	1,22	0,71	1,02	0,60	0,49
4	1,30	0,71	1,09	0,60	0,49
5	1,37	0,78	1,14	0,66	0,54
6	1,42	0,84	1,19	0,71	0,58
7	1,47	0,89	1,23	0,75	0,62
8	1,51	0,94	1,26	0,79	0,65
9	1,55	0,98	1,29	0,82	0,68
10	1,58	1,02	1,32	0,85	0,70
15	1,71	1,16	1,43	0,98	0,80
20	1,80	1,27	1,51	1,07	0,88
25	1,88	1,36	1,57	1,14	0,94
30	1,94	1,43	1,63	1,20	0,99
35	2,00	1,50	1,67	1,25	1,03
40	2,04	1,55	1,71	1,30	1,07
45	2,09	1,60	1,75	1,34	1,11
50	2,12	1,65	1,78	1,38	1,14
55	2,16	1,69	1,81	1,42	1,17
60	2,19	1,73	1,83	1,45	1,19
65	2,22	1,76	1,86	1,48	1,22
70	2,25	1,80	1,88	1,50	1,24
75	2,27	1,83	1,90	1,53	1,26
80	2,30	1,86	1,92	1,55	1,28
85	2,32	1,88	1,94	1,58	1,30
90	2,34	1,91	1,96	1,60	1,32
95	2,36	1,93	1,98	1,62	1,33
100	2,38	1,96	1,99	1,64	1,35
110	2,42	2,00	2,03	1,68	1,38
120	2,45	2,04	2,05	1,71	1,41
130	2,48	2,08	2,08	1,74	1,44
140	2,51	2,12	2,10	1,77	1,46
150	2,54	2,15	2,13	1,80	1,48
160	2,56	2,18	2,15	1,83	1,50
170	2,59	2,21	2,17	1,85	1,52
180	2,61	2,24	2,19	1,88	1,54
190	2,63	2,27	2,20	1,90	1,56
200	2,65	2,29	2,22	1,92	1,58
Values derived from NEN-EN 1991-1-4+A1+C2/NB:2011.					

De verhoogde stuwdruk kan afhankelijk van de windrichting op basis van artikel 4.3.2. NL1 van NEN EN 50341-2-15 gereduceerd worden met de factor c_{dir}. Voor het bepalen van de sector grenzen is gebruik gemaakt van NEN EN 50341-2-15 art. 4.3.4 figuur 4.3/NL.1, zie Afbeelding 3.3 in dit rapport. Voor de bepaling in welke sector de masten vallen is het sector figuur geprojecteerd op de mast locatie.

Afbeelding 3.3 Sector grenzen conform NEN EN 50341-2-15 art. 4.3.4 figuur 4.3/NL.1



1 Area boundary
2 Tower structure
3 Sector boundary

Windbelasting op geleiders

De windbelasting op de geleiders wordt bepaald op basis van artikel 4.4.1.1 NEN-EN 50341-1. De hoogte waarop de stuwdruk wordt bepaald is conform methode 3 van NEN-EN 50341-1 artikel 4.4.1.1.

De waarde Gc staat voor de span factor en brengt in rekening dat de extreme waarde van de windbelasting niet tegelijk over de gehele overspanning aanwezig is. De waarde is te ontlenen aan tabel 4.4.1.2/NL1.

De waarde Cc is de vormfactor en wordt met NEN-EN 50341-1 artikel 4.4.1.3 methode 3 berekend. Afhankelijk van het Reynolds-getal varieert deze factor tussen 0,9 en 1,2.

De windkracht op een steun van elke subgeleider van de twee aangrenzende overspanningen wordt berekend op basis van EN 50341-1 art. 4.4.1.1.

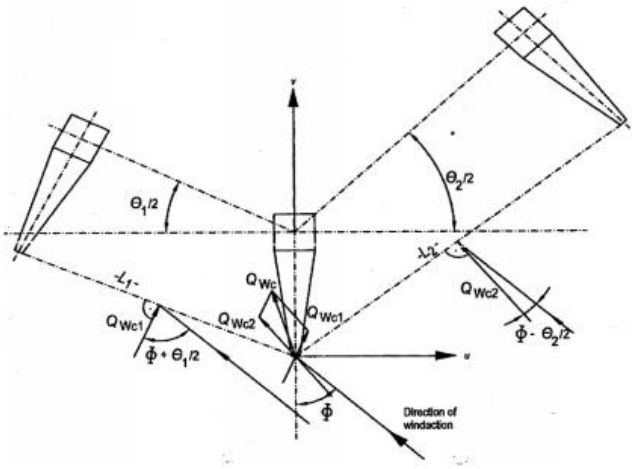
- in the direction of the cross-arm:

$$Q_{Wc_V} = q_p\,(h)\;\; G_c\;\; C_c\;\; d\;\left[\pm\frac{L_1}{2}\cos^2\!\left(\phi+\frac{\theta_1}{2}\right)\cos\!\left(\frac{\theta_1}{2}\right)+\frac{L_2}{2}\cos^2\!\left(\phi-\frac{\theta_2}{2}\right)\cos\!\left(\frac{\theta_2}{2}\right)\right]$$

- perpendicular to the cross-arm:

$$Q_{Wc_U} = q_p\,(h)\;\; G_c\;\; C_c\;\; d\;\left[\pm\frac{L_1}{2}\cos^2\!\left(\phi+\frac{\theta_1}{2}\right)\sin\!\left(\frac{\theta_1}{2}\right)-\frac{L_2}{2}\cos^2\!\left(\phi-\frac{\theta_2}{2}\right)\sin\!\left(\frac{\theta_2}{2}\right)\right]$$

Afbeelding 3.4 Windbelastingen op geleiders - Algemeen geval



Windbelasting op mastconstructie
Windbelasting op de mastconstructie wordt berekend met methode '1' van NEN-EN 50341-1 artikel 4.4.3.2.

3.1.3 IJsbelasting op geleiders

Gegeven de mastlocatie in de provincie Gelderland wordt voor de mast 21 uitgegaan van ijsgebied B bij de bepaling van ijsbelasting op de fase- en bliksemdraden conform AM-req-1043. Voor het daknet tussen mast 21 en de afspanportalen wordt voor de bliksemgeleiders ijsgebied A aangehouden en voor de fasegeleiders ijsgebied B. (conform AM-Req-1043 (V1) van PVE.05.000, versie 3.2).

Op basis van EN-NEN 50341-2-15 art. 4.5 NL.1, de karakteristieke ijzelbelasting (inclusief natte sneeuw), g_r in [N/m] voor ijsgebied B kan worden berekend als:

$$g_r = 4{,}0 + 0{,}2*d \text{ N/m}$$

waarbij: d = diameter van de geleider (mm).

OPMERKING: de ijsbelasting is alleen van toepassing op geleiders. De ijsdichtheid r_i= 900 kg/m^3

Op basis van EN 50341-1 art. 4.5.2, ijsbelastingen op geleiders veroorzaken verticale krachten verhoogde spanningen in de geleiders. Van de twee aangrenzende overspanningen is de verticale ijskracht op een steun van elke subgeleider:

$$Q_I = I\,(L_{w1} + L_{w2})$$

Waarbij:
I is de ijsbelasting per lengte van de geleider (N/m)

L_{w1} and L_{w2} zijn de gewichtsoverspanningen van de twee aangrenzende overspanningen.

De gewichtslengtes van twee aangrenzende overspanningen, L_{w1} en L_{w2}, hangen af van de doorbuiging van de met ijs bedekte geleider en de horizontale en verticale afstanden tussen hun bevestigingspunten.

3.1.4 Belasting door bouw- en onderhoudswerkzaamheden (mastconstructie)

NEN-EN 50341-2-15 Tabel 4.9.1/EN1 is toegepast.

Tabel 3.2 Waarden voor onderhouds- en constructiebelastingen overgenomen uit NEN-EN 50341-2-15, tabel 4.9.1/NL1

Part of support	Characteristic loads	Load direction
1 Climbing facilities	1,5 kN	vertical
2 Platforms	a. 2 kN/m^2 (horizontally distributed) b. 2 kN/m^2 (horizontally distributed at one side of the platform) c. 3 kN (concentrated load)	vertical vertical vertical
3 Handrails	1 kN	all directions
4 Lift and anchor points	The actual loads during erection including dynamic effect but not less than: • 1,5 times dead weight of conductor and insulator • 1,2 times maximum conductor tension for tension supports	vertical
5 Other parts of the structure used for climbing	1 kN at structural unfavourable directions	vertical [1)]
1) Load to be applied at one separate member. The different loads do not have to be combined.		

De klimbelasting zal alleen gecontroleerd worden voor nieuwe elementen. Bestaande elementen zullen niet versterkt worden voor klimbelasting gezien de voorziening van tredebouten en ladders op de masten.

3.1.5 Belasting door inspectie en onderhoudswerkzaamheden (Geleiders)

Volgens NEN-EN 50341-2-15 tabel 4.9.1/NL2, voor inspectie en onderhoud dient rekening te worden gehouden met een verticale belasting aan het uiteinde van de traversen. De belasting is afhankelijk van het aantal arbeiders dat aanwezig is aan het uiteinde van de traverse, maar mag niet minder zijn dan 1 kN.
Op het uiteinde van de traversen wordt met een puntlast van 1 kN gerekend.

3.1.6 Belastingcombinaties

De beschouwde belasting gevallen worden in belastingcombinaties gecombineerd voor de toetsing. De toetsing vindt plaats voor verschillende grenstoestanden. De toetsing is gebaseerd op tabellen 4.13/NL.3 van de NEN-EN 50341-2-15 en bijlagen E1, E2, E5 en E6 van TenneT specificatie PVE.05.000 Lijnen. E1 en E2 worden toegepast voor de afkeur niveau toetsingen. E4 en E5 worden toegepast voor de afkeur niveau toetsingen.

De toetsing van de bezwijksterkte is gebaseerd op bijlagen E1 en E5 van TenneT specificatie PVE.05.000 Lijnen versie 3.2 en gehanteerd als Ultimate Limit State (ULS). Vanwege de toetsing op afkeurniveau en verbouwniveau ontstaan lagere belasting factoren dan de toetsing op nieuwbouwniveau.

Tabel 3.3 Bijlage PVE.05.000 E1: Belastingcombinatie tabel voor afkeurniveau ULS CC2-0

Nr	Belastinggeval	Temp. [Graden]	γ_g	γ_q			γ_a
			G_k	Q_{pk}	Q_{wk}	Q_{ik}	A_k
1a	wind	10	1,05	-	1,13	-	-
2	niet relevant	-	-	-	-	-	-
3	wind + ijs	-5	1,05	-	0,34	0,97(B) 0,93(A)	-
4	minimumtemperatuur+wind	-20	1,05	-	0,23	-	-
5a	torsiebelastingen	10	1,0	1,0	-	-	1,0

5b	longitudinale belastingen	10	1,0	-	-	-	1,0
6a	bouw + Onderhoud	5	1,05	1,2	0,23	-	-
6b	gewicht van linesmen	5	1,05	1,2	0,23	-	-
7	permanent	10	1,15	-	-	-	-
8	bijzondere belasting	10	1,0	-	-	-	1,0

Tabel 3.4 Bijlage PVE.05.000 E5: Belastingcombinatie tabel voor verbouwniveau ULS CC2

Nr	Belastinggeval	Temp. [Graden]	γ_g	γ_q			γ_a
			G_k	Q_{pk}	Q_{wk}	Q_{ik}	A_k
1a	wind	10	1,15	-	1,40	-	-
2	niet relevant	-	-	-	-	-	-
3	wind + ijs	-5	1,15	-	0,42	1,30	-
4	minimumtemperatuur + wind	-20	1,15	-	0,28	-	-
5a	torsiebelastingen	10	1,0	1,0	-	-	1,0
5b	longitudinale belastingen	10	1,0	-	-	-	1,0
6a	bouw + onderhoud	5	1,15	1,3	0,28	-	-
6b	gewicht van linesmen	5	1,15	1,3	0,28	-	-
7	permanent	10	1,30	-	-	-	-
8	bijzondere belasting	10	1,0	-	-	-	1,0

Voor mastconstructies met afspankettingen dient naast de ULS ook de bezwijksterkte voor de Special limit state conform bijlagen E2 en E6 van TenneT specificatie PVE.05.000 Lijnen getoetst te worden. Deze toestand ontstaat in de tijdelijke situatie dat geleiders afwezig zijn aan één zijde van de mast, gezien in lijnrichting of in de situatie van afwezigheid van één circuit aan één zijde van de mast, gezien in lijnrichting.

Tabel 3.5 Bijlage PVE.05.000 E2: Belastingcombinaties tabel voor afkeurniveau SpLS CC2-0

Nr	Belastinggeval	Temp. [Graden]	γ_g	γ_q			γ_a
			G_k	Q_{pk}	Q_{wk}	Q_{ik}	A_k
1a	wind	10	1,05	-	0,78	-	-
2	niet relevant	-	-	-	-	-	-
3	wind + ijs	-5	1,05	-	0,36	0,34(B) 0,12(A)	-
4	minimumtemperatuur + wind	-20	1,05	-	0,24	-	-
5a	niet relevant	-	-	-	-	-	-
5b	niet relevant	-	-	-	-	-	-
6a	bouw + onderhoud	5	1,05	1,2	0,24	-	-
6b	gewicht van linesmen	5	1,05	1,2	0,24	-	-
7	niet relevant	-	-	-	-	-	-
8	niet relevant	-	-	-	-	-	-

Tabel 3.6 Bijlage PVE.05.000 E6: Belastingcombinaties tabel voor verbouwniveau SpLS CC2

Nr	Belastinggeval	Temp. [Graden]	γ_g	γ_q			γ_a
			G_k	Q_{pk}	Q_{wk}	Q_{ik}	A_k
1a	wind	10	1,15	-	0,78	-	-
2	niet relevant	-	-	-	-	-	-
3	wind + ijs	-5	1,15	-	0,36	0,34(B) 0,12(A)	-
4	minimumtemperatuur + wind	-20	1,15	-	0,24	-	-
5a	niet relevant	-	-	-	-	-	-
5b	niet relevant	-	-	-	-	-	-
6a	bouw + onderhoud	5	1,15	1,2	0,24	-	-
6b	gewicht van linesmen	5	1,15	1,2	0,24	-	-
7	niet relevant	-	-	-	-	-	-
8	niet relevant	-	-	-	-	-	-

Voor de toetsing van de vervormingen als ook de alledaagse EDS-toestand is de bruikbaarheidsgrenstoestand (SeLS) conform tabel 4.13c van de NEN-EN 50341-2-15 voorgeschreven.

Tabel 3.7 Belastingcombinaties tabel voor SeLS conform NEN-EN 50431-2-15

Nr	Belastinggeval	Temp [Graden]	γ_g	γ_q			γ_a
			G_k	Q_{pk}	Q_{wk}	Q_{ik}	A_k
1a	wind	10	1.0	-	1.0	-	-
2	niet relevant	-	-	-	-	-	-
3	wind + ijs	-5	1.0	-	0.3	1.0	-
4	minimumtemperatuur + wind	-20	1.0	-	0.2	-	-
5a	niet relevant	-	-	-	-	-	-
5b	niet relevant	-	-	-	-	-	-
6a	bouw + onderhoud	5	1.0	1.0	0.2	-	-
6b	gewicht van linesmen	5	1.0	1.0	0.2	-	-
7	permanent (EDS)	10	1.0	-	-	-	-
8	niet relevant	-	-	-	-	-	-

3.2 Afspanportalen

3.2.1 Eigen gewicht

Eigen gewicht van de constructie wordt automatisch meegenomen in de berekening.

3.2.2 Windbelasting op de constructie

Voor de windbelasting op de constructie worden de uitgangspunten gegeven zoals in paragraaf 3.1.2 aangehouden. Als vormfactor van de constructieve onderdelen wordt 2,0 aangehouden, volgens paragraaf 7.7 van NEN-EN 1991-1-4.

3.2.3 Belasting uit geleiders

De belastingen uit de geleiders werkend op de afspanportalen zijn berekend met de uitgangspunten gegeven in 3.1.1 tot en met 3.1.6.

3.2.4 Belastingcombinaties

De beschouwde belasting gevallen worden in belastingcombinaties gecombineerd voor de toetsing. De toetsing vindt plaats voor verschillende grenstoestanden. De belastingcombinaties zijn gebaseerd op tabel NB4 – A1.2(B) van NEN-EN 1990 NB en tabel A1.4 van NEN-EN 1990.

4

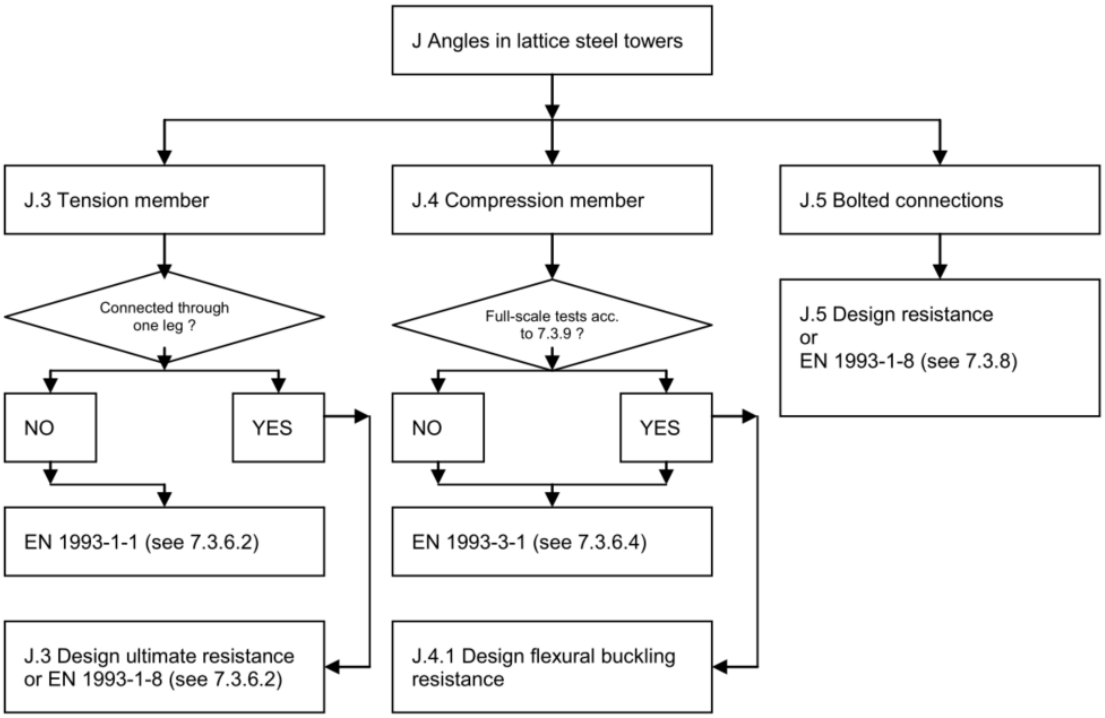
TOETSINGSCRITERIA

4.1 Mast constructie

In dit hoofdstuk wordt specifiek ingegaan op aspecten die van belang zijn bij de toetsing van de bestaande mastconstructies.

De relevante delen van NEN-EN 1993-1-1 + C2 + A1 / NB: 2016 en NEN-EN 1993-3-1: 2007 / NB: 2012 worden gebruikt. Het stroomschema uit EN 50341 Annex J (Angles in lattice steel towers) is gebruikt als richtlijn.

Afbeelding 4.1 Stroomschema uit EN 50341 Annex J



De controles worden uitgevoerd door PLS TOWER conform NEN-50341-2-15. UNP elementen zijn niet beschikbaar in PLS TOWER. Daarom zullen UNP elementen met equivalente doorsneden gemodelleerd worden om de krachten in de staven te bepalen.

4.1.1 Effectieve nettodoorsnede

Voor het toetsen van de netto doorsnede worden de rekenregels gehanteerd conform artikel 3.10.3 van NEN-EN 1993-1-8, de norm voor verbindingen in staalconstructies.

4.1.2 Stuikkracht

De rekenregels van tabel 3.4 van NEN-EN 1993-1-8 worden gevolgd. Voor de stuikweerstand van een hoeklijn met een enkele bout leidt die tabel tot erg conservatieve waarden. De formule in artikel 7.3.8 van NEN-EN 50341-2-15 wordt in dat geval gevolgd.

4.1.3 Bouten

De sterkte van verschillende bouten is gebaseerd op EN 1991-1-8, weergegeven in Tabel 4.1.

Tabel 4.1 Boutsterkte

Bout	EN 1991-1-8
M16 - 4.6	48.3kN
M20 - 4.6	75.4 kN
M22 - 4.6	91.2 kN
M24 - 4.6	108.6 kN

4.1.4 Maatvoering bouten

De maatvoering van de boutverbindingen heeft invloed op de sterkte van de verbinding, de stuikkracht wordt erdoor beïnvloed. Bij enkelsnedig aangesloten profielen wordt via de β-factor ook de capaciteit van de netto doorsnede beïnvloed.

4.1.5 Kniklengtebepaling

De rekenregels in de norm voor torens, masten en schoorstenen, de NEN-EN 1993-3-1, zijn in Nederland van toepassing voor het bepalen van de kniklengte. Zie hiervoor het stroomschema in artikel 7.3.9 van NEN-EN 50341-2-15.
De procedure van Annex G van NEN-EN 1993-3-1 wordt gevolgd.

4.1.6 Kruisende diagonalen

De rekenregels van NEN-EN 50341-1 worden gevolgd.

4.1.7 Torsieknik

De relatief dunne profielen gebruikt in dit project zijn gevoelig voor torsieknik. Dit is vooral het geval voor slanke profielen zoals de hoekpoten. Profielen met een relatief kleine dikte in verhouding tot de breedte van

het profiel zullen worden getoetst op torsieknik. (Zie EN 50341 art. 7.3.6.4, en NEN-EN 50341-2-15 art. 7.3.6 NL.2.)

4.1.8 Fundering mast en afspanportalen

De toetsing wordt uitgevoerd volgens NEN-EN 1992-1-1, NEN-EN 1993-1-1 en NEN 9997-1.

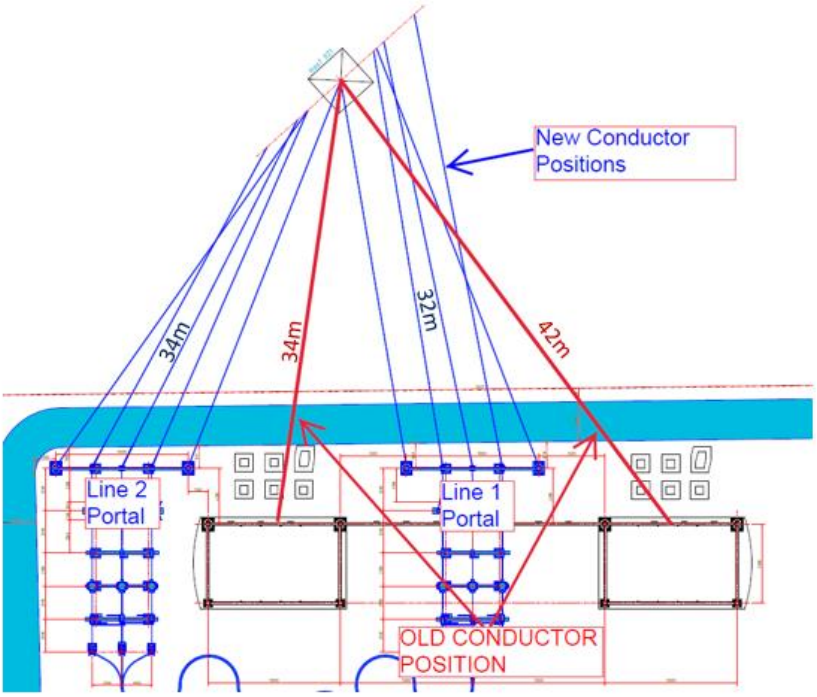
5

GELEIDERS EN ISOLATOREN - NIEUWE SITUATIE

5.1 Geleiders

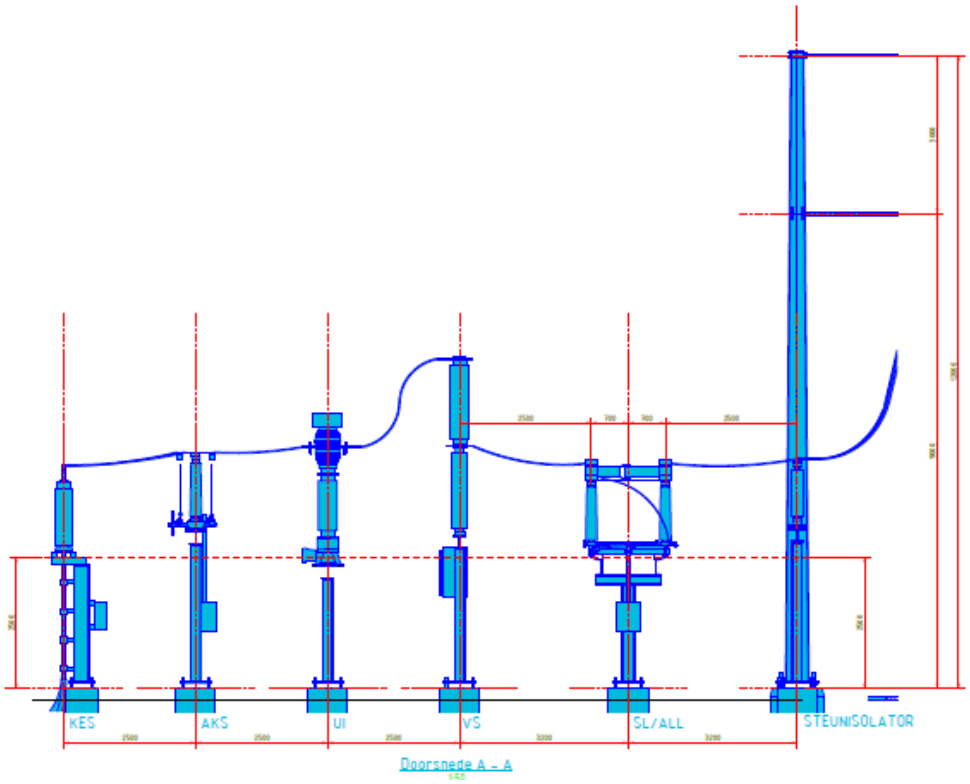
De geleiders en bliksemgeleiders tussen mast 21 en de nieuwe afspanportalen blijven van het zelfde type Ostrich respectievelijk Seil50. De nieuwe lengtes van de geleiders blijven gelijk of worden korter ten opzichte van de bestaande situatie, waarmee de geleiders kunnen worden hergebruikt. De exacte lengte van de bestaande geleiders zal later in de uitvoeringsfase door de betreffende aannemer dienen te worden gecontroleerd.

Afbeelding 5.1 Geleiders tussen mast 21 en EBG110



De lijnhoek van de geleiders met het portaal is geminimaliseerd om te voldoen AM-req-1009 (niet in uplift belasten isolatoren). Het eigengewicht van de isolatoren (groter dan geleiderkracht) leidt ertoe dat onder -10 C de lijnhoek in de praktijk neerwaarts zal zijn. De theoretische lijnhoek is op basis van PLSCADD bepaald, waarbij geen rekening is gehouden met het netto neerwaartse effect van het isolatorgewicht. De theoretische lijnhoek bedraagt 7 ° (15 ° voor de middelste geleiders) opwaarts bij -10 °C en 207 Pa winddruk. Er zullen geen opwaartse krachten op de componenten werken gezien de aanwezige (hangende) dropper tussen de isolator en de componenten.

Afbeelding 5.2 Situatie bij EBG110



5.2 Isolatoren

De bestaande isolatoren in de afspanportalen (9*U100BL) en de masten (7*U100UBL) kunnen worden hergebruikt.

5.3 Onderlinge afstanden geleiders

De onderlinge afstanden tussen de geleiders zijn getoetst aan NL.1 en NL.2 van hoofdstuk 5.8 van NEN-EN 50341-2-15.

Minimale spanningsafstand tussen geleiders
De maatgevende minimale spanningsafstand bedraagt 1.44m (halverwege de overspanning). De aanwezige minimale spanningsafstand bedraagt 1.48m (voldoet).

Afbeelding 5.3 Gehanteerde waarden uit tabel 5.5 NL1 en NL2

Table 5.5/NL.1 – Clearance D_{el} and D_{pp} to withstand lightning overvoltages

Lightning withstand voltage $U_{50\%_ff_is}$ of the line insulator string (kV)	D_{el} (m) K_g=1,45 to cross-arm and to tower	D_{el} (m) K_g=1,25 within window	D_{el} (m) K_g=1,3 to obstacles	D_{pp} (m) K_g=1,6 between conductors	K_s up to 100 m
350	0,62	0,65	0,64	0,71	Not applicable
550	0,97	1,01	1,00	1,12	
750	1,32	1,38	1,37	1,53	
950	1,67	1,75	1,73	1,94	
1050	1,85	1,94	1,91	2,14	
1250	2,20	2,30	2,28	2,55	
1400	2,46	2,58	2,55	2,85	
1600	2,81	2,95	2,91	3,26	
1800	3,16	3,32	3,28	3,67	
2000	3,52	3,69	3,64	4,08	
2200	3,87	4,06	4,01	4,48	
K_{z_ff}	0,961	0,961	0,961	0,961	
K_g	1,45	1,25	1,3	1,6	
K_{g_ff}	1,117	1,065	1,078	1,156	

NOTE: K_s is not applicable as both $U_{50\%_ff_is}$ and the equations used for the clearance calculations applies to sea level.

Table 5.5/NL.2 – Clearance D_{el} and D_{pp} to withstand switching overvoltages

Switching overvoltage $U_{2\%_sf}$ (kV)	D_{el} (m) K_g=1,45 to cross-arm and to tower	D_{el} (m) K_g=1,25 within window	D_{el} (m) K_g=1,3 to obstacles	D_{pp} (m) K_g=1,6 between conductors	K_s up to 100 m
350	0,63	0,75	0,72	0,83	0,995
550	1,07	1,29	1,23	1,44	0,997
750	1,58	1,92	1,83	2,17	0,998
950	2,17	2,68	2,53	3,06	0,998
1000	2,33	2,[illegible]	[illegible]	3,31	0,998
1050	2,50	3,11	2,93	3,56	0,998
1100	2,67	3,33	3,14	3,84	0,998
1250	3,23	4,07	3,82	4,72	0,999
1400	3,85	4,92	4,60	5,75	0,999
1600	4,79	6,22	5,80	7,35	0,999
1800	5,89	7,77	7,20	9,29	0,999
K_{z_sf}	0.922	0.922	0.922	0.922	
K_g	1.45	1.25	1.3	1.6	
K_{cs}	1.05	1.05	1.05	1.05	

maatgevend

Minimale spanningsafstand tussen geleiders t.p.v. mast en portaal

De minimale spanningsafstand tussen geleiders ter plaatse van mast en portaal is als volgt berekend:

$a_{so} \geq 0.6 \cdot \sqrt{(sag_{10°} + l_{is})} + D_{pp} = 0.6 \cdot \sqrt{(1.21+0)} + 1.44 = 2.1m$

De aangehouden afstand bedraagt ter plaatse van het portaal 2.25m (voldoet) en 4.1m ter plaatse van de mast (voldoet).

Minimale spanningsafstand jumpers (tabel 5.8/NL1)
De gehanteerde afstand conform tabel 5.8 bedraagt 0.4m. De aangehouden afstand bedraagt 0.56 (voldoet)

Afbeelding 5.4 Gehanteerde waarden uit tabel 5.8 NL1

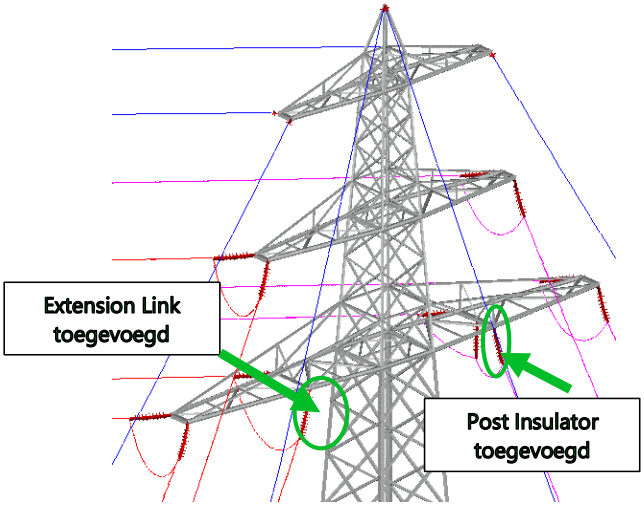
Table 5.8/NL.1 Minimum internal clearances at the top of support under extreme wind load

Highest system voltage (kV)	Minimum clearance D_{el} and D_{pp} (m)	
	Effectively earthed network	Non-effectively earthed network
≤ 72,5	0,25	0,35
123	0,40	0,6
170	0,55	0,85
245	0,85	N.A.
420	1,55	N.A.

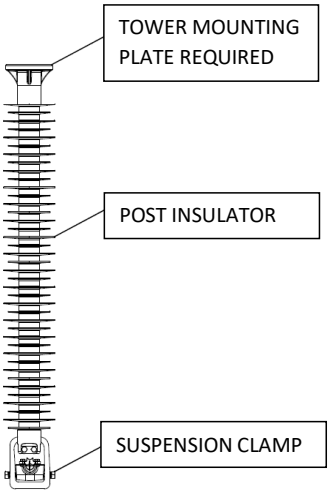
NOTE: These clearances are greater than those mentioned in Section 5.5.2, Table 5.5 because it is required that they withstand also low-level switching overvoltages (≈ 1,3 p.u.), with a high probability of occurrence (90 %), instead of only the power frequency voltage.

Om de spanningsafstanden ter plaatse van mast 21 te waarborgen wordt een post insulator (zie afbeelding 5.4) en een extension link toegepast (zie afbeelding 5.5). Voor het aanbrengen van de post insulator dient een boorgat te worden gerealiseerd.

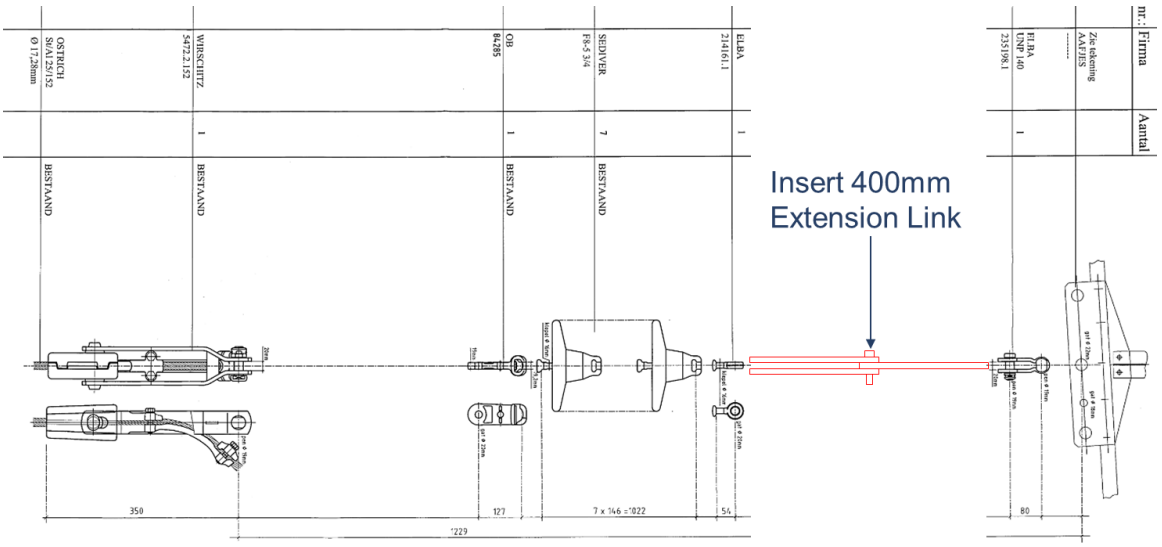
Afbeelding 5.5 Aanpassingen hardware mast 21



Afbeelding 5.6 Post insulator



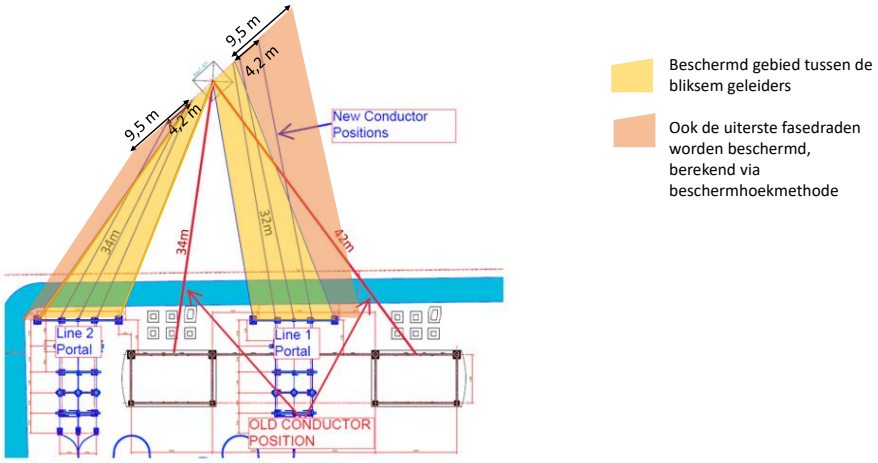
Afbeelding 5.7 Extension link



5.4 Bliksemafscherming geleiders tussen mast en portalen

Er is een beschouwing uitgevoerd ten aanzien van de bliksemafscherming van de geleiders tussen mast en portalen. Hierbij is aangetoond dat de fasegeleiders worden beschermd door de bliksemgeleiders.

Afbeelding 5.8 Gebieden beschermd door bliksemgeleiders



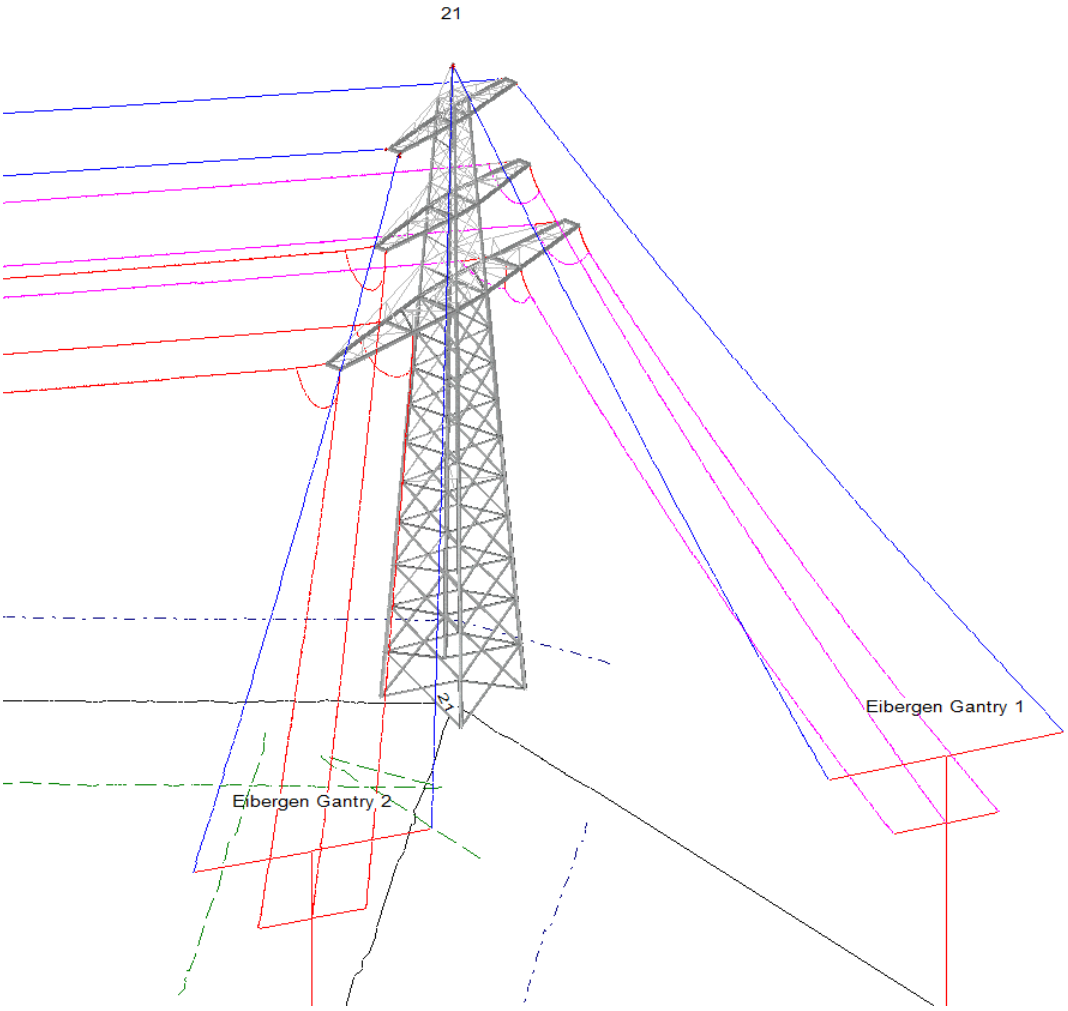
6

CONTROLE MASTCONSTRUCTIE

6.1 Algemeen

In de nieuwe situatie zijn de geleiders (daknet) vanaf mast 21 aangesloten op de nieuwe afspanportalen bij EBG110 met een gewijzigde positie ter plaatse van de nieuwe transformatorvelden E01 en E02. De nieuwe situatie is weergegeven in onderstaande afbeelding.

Afbeelding 6.1 Aanzicht nieuwe situatie



De mast is voor bovengenoemde nieuwe situatie getoetst om vast te stellen of versterkingsmaatregelen noodzakelijk zijn. Deze versterking blijkt noodzakelijk, zoals in het navolgende wordt aangetoond. Als tweede stap is de mast inclusief versterking getoetst.

6.2 Belastingen mastconstructie

6.2.1 Belastingen door geleiders

De belastingen op de geleiders zullen worden aangebracht als puntlasten op de mast constructie. De belastingen op de geleiders betreffen belastingen door eigen gewicht, sneeuwbelasting, windbelasting en temperatuur veranderingen.

De geleiderkrachten onder de verschillende condities zijn bepaald in PLS CADD op basis van de in hoofdstuk 3 beschreven uitgangspunten.

6.2.2 Belastingen mastconstructie

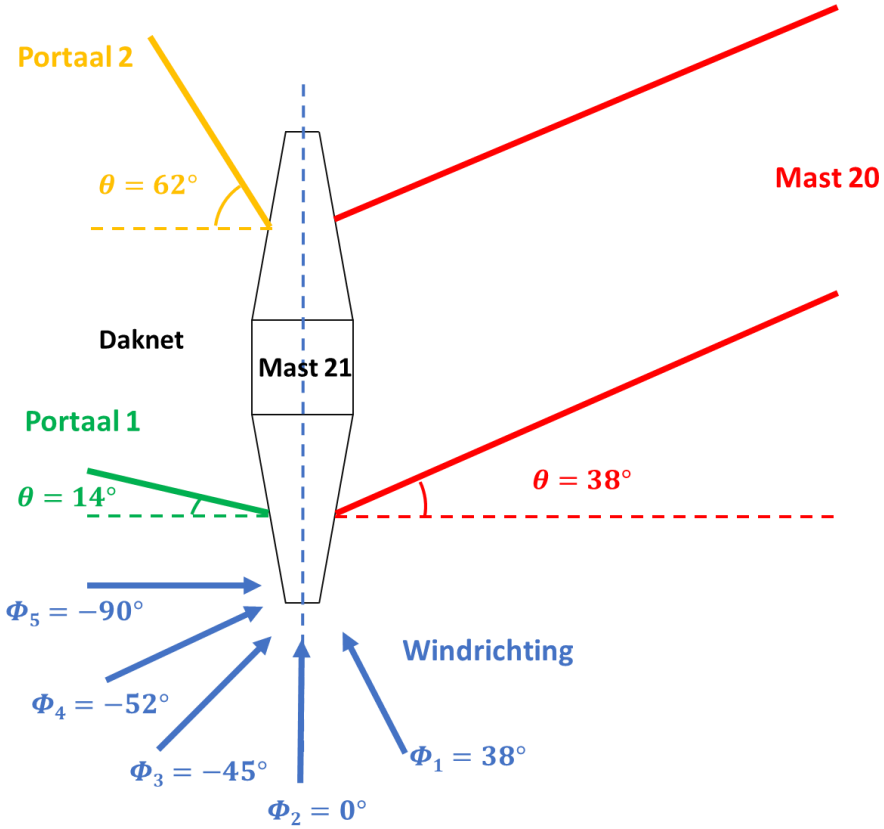
Behalve de belasting uit geleiders wordt de constructie belast door wind op de mast en het eigen gewicht van de mast. De windbelasting wordt aangebracht door de stuwdruk op de secties van de mast in verschillende richtingen op te geven. De stuwdruk bij verschillende hoogten wordt bepaald door een formule die deze variatie beschrijft conform NEN-EN 50341. De windbelasting op de constructie correspondeert met de windbelasting op de geleiders. De gehanteerde belastingen zijn opgenomen in bijlage A.

6.2.3 Beschouwde windrichtingen

In de berekeningen worden vijf windrichtingen beschouwd: $38°$, $0°$, $-45°$, $-52°$ en $-90°$ ten opzichte van de as van de traverse (zie afbeelding 6.2)

De overspanning tussen Mast 20 en 21 is veel langer dan de overspanning tussen Mast 21 en de portals (daknet). De wind op de overspanning tussen mast 20 en 21 heeft een grote invloed op de mast. Daarom wordt naast windrichting $0°$, $-45°$ en -90 ook windrichting loodrecht op de geleiders (38° ten opzichte van as traverse) en parallel aan de geleiders (-52 ° ten opzichte van as traverse) meegenomen in de berekening.

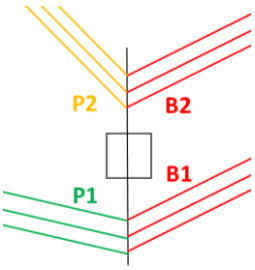
Afbeelding 6.2 Windrichtingen



6.3 Belastingcombinaties

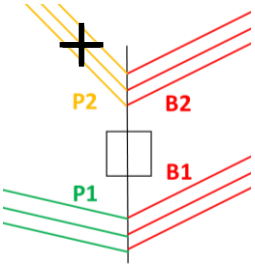
De belastingcombinaties die zijn toegepast in de PLS TOWER berekeningen zijn in overeenstemming met NEN 50341-2-15 en TenneT Specificatie PVE.005. In het onderstaande wordt met overspanning B (B1 en B2) de sectie tussen mast 20 en 21 bedoeld. Overspanning P (P1 en P2) betreft de sectie tussen mast 21 en de station.

Tabel 6.1 ULS-Scenario

Belastinggevallen 1-43, 80-84, 120-124, 160-164, 200-204	
	- wind (38, 0, -45, -52, -90) - ijs met wind (38, 0, -45, -52, -90) - minimumtemperatuur met wind (38, 0, -45, -52, -90) - maatgevend (torsion) : Indivuele buitenste geleiders verwijderd, geen wind - maatgevend (longitudinal): individuele binnenste geleiders ondertraverse verwijderd, geen wind - bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90) - linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90) - permanent

Tabel 6.2 SpLS-torsiescenario-1

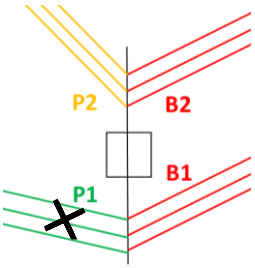
Belastinggevallen 44-48, 85-89, 125-129, 165-169, 205-209



- wind (38, 0, -45, -52, -90)
- ijs met wind (38, 0, -45, -52, -90)
- minimumtemperatuur met wind (38, 0, -45, -52, -90)
- bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90)
- linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90)

Tabel 6.3 SpLS-torsiescenario-2: circuit van Portaal 1 verwijderd

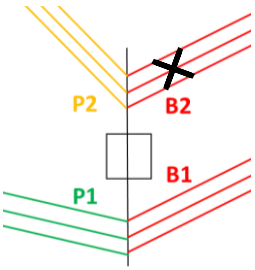
Belastinggevallen 49-53, 90-94, 130-134, 170-174, 210-214



- wind (38, 0, -45, -52, -90)
- ijs met wind (38, 0, -45, -52, -90)
- minimumtemperatuur met wind (38, 0, -45, -52, -90)
- bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90)
- linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90)

Tabel 6.4 SpLS- torsiescenario-3: circuit B2 verwijderd

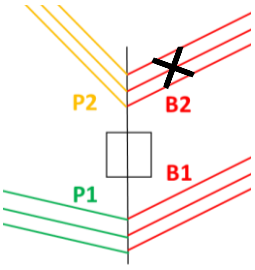
Belastinggevallen 54-58, 95-99, 135-139, 175-179, 215-219



- wind (38, 0, -45, -52, -90)
- ijs met wind (38, 0, -45, -52, -90)
- minimumtemperatuur met wind (38, 0, -45, -52, -90)
- bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90)
- linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90)

Tabel 6.5 SpLS- torsiescenario-3: circuit B2 verwijderd

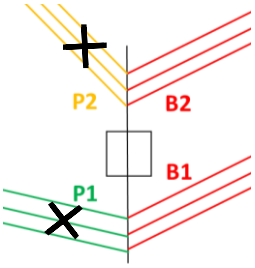
Belastinggevallen 59-63, 100-104, 140-144, 180-184, 220-224



- wind (38, 0, -45, -52, -90)
- ijs met wind (38, 0, -45, -52, -90)
- minimumtemperatuur met wind (38, 0, -45, -52, -90)
- bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90)
- linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90)

Tabel 6.6 SpLS-longitudinaal scenario-1: circuits van Portaal 1 en 2 verwijderd

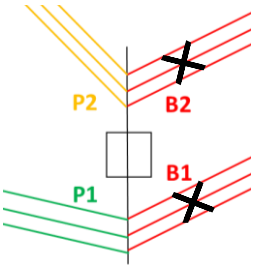
Belastinggevallen 64-68, 105-109, 145-149, 185-189, 225-229



- wind (38, 0, -45, -52, -90)
- ijs met wind (38, 0, -45, -52, -90)
- minimumtemperatuur met wind (38, 0, -45, -52, -90)
- bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90)
- linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90)

Tabel 6.7 SpLS-longitudinaal scenario-2: circuits B1 en B2 verwijderd

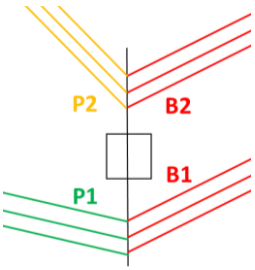
Belastinggevallen 69-73, 110-114, 150-154, 190-194, 230-234



- wind (38, 0, -45, -52, -90)
- ijs met wind (38, 0, -45, -52, -90)
- minimumtemperatuur met wind (38, 0, -45, -52, -90)
- bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90)
- linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90)

Tabel 6.8 SeLS-scenario: alle geleiders aangesloten

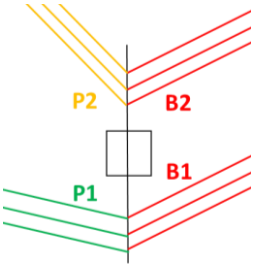
Belastinggevallen 74-79, 115-119, 155-159, 195-199, 253-239



- wind (38, 0, -45, -52, -90)
- ijs met wind (38, 0, -45, -52, -90)
- minimumtemperatuur met wind (38, 0, -45, -52, -90)
- bouw en onderhoud: alle geleiders tegelijkertijd (38, 0, -45, -52, -90)
- linesmen op de eindpunten van alle traversen (38, 0, -45, -52, -90)
- permanent

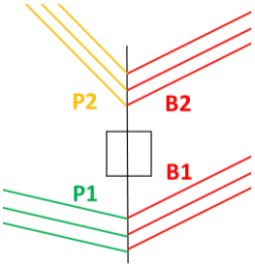
Tabel 6.9 Extra belastinggevallen: maximale opwaartse kracht fundatie, treedt op bij wind op 38 graden, 0,9 x eigen gewicht op constructie toegepast

Belastinggevallen 242-281



- wind (38)
- ijs met wind (38)
- minimumtemperatuur met wind (38)
- bouw en onderhoud: alle geleiders tegelijkertijd (38)
- linesmen op uiteinde van alle traversen (38)

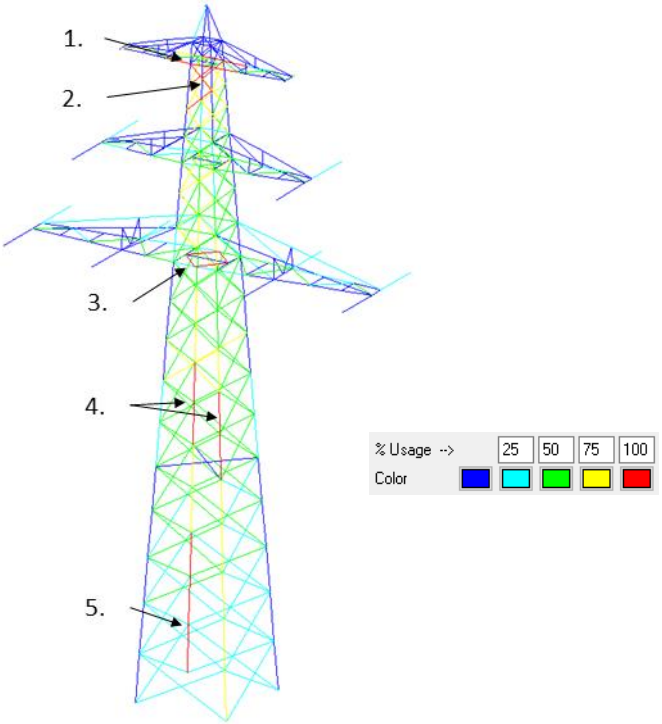
Tabel 6.10 Aanvullende belastinggevallen PVE.05.000 Lijnen: ongelijke ijsbelasting en kortsluiting belasting

Belastinggevallen 240-241, 281-282	
	Voor onderstaande nummers belastinggevallen zie PVE.05.000 - 8 – Beschouwd in SeLS - 9 – n.v.t. op mast 21 - 10 – 0,3 aan voorzijde enkele bliksemgeleider en 0,7 aan achterzijde dubbele bliksemgeleiders voor ULS en SeLS - 11 – van toepassing voor daknet, ±10 kN in dwarsrichting

6.4 Toetsing nieuwe situatie (afkeurniveau)

De bestaande mastconstructie is getoetst op afkeurniveau met een referentieperiode van 30 jaar middels PLS Tower. Gedetailleerde berekeningsresultaten zijn weergegeven in bijlage B. De resultaten van de toetsing zijn grafisch weergegeven in onderstaande afbeelding.

Afbeelding 6.3 Resultaten PLS TOWER berekening van de mast (Afkeurniveau)



De staven in de mastconstructie worden door PLS Tower getoetst op meerdere criteria. De unity check van het maatgevende criterium is in bovenstaande afbeelding weergegeven. Het maatgevende belastingsgeval voor alle geconstateerde tekortkomingen ten aanzien van afkeurniveau is het SpLS torsiebelastingsgeval met ontbrekend P1-circuit en wind in 38 graden.

- Positie 1: de capaciteit van de boutverbindingen tussen de boventraverse en de mastbenen is onvoldoende. De unity check bedraagt **1.43**;
- Positie 2: de capaciteit van de boutverbindingen in de diagonalen onder de boventraverse voldoen niet. De unity check bedraagt **1.06**;

- Positie 3: 4 staven (in een kwadrant) aan de onderzijde van de onderste traverse voldoen niet aan het afkeurniveau. De unity check bedraagt **1.14**;
- Positie 4: De capaciteit van de boutverbindingen tussen de bovenste en onderste mastbeendelen voldoen niet. De unity check bedraagt **1.55**;
- Positie 5: de benen van het onderste gedeelte van de mast voldoen niet op knikstabiliteit. De unity check bedraagt maximaal **1,14**.

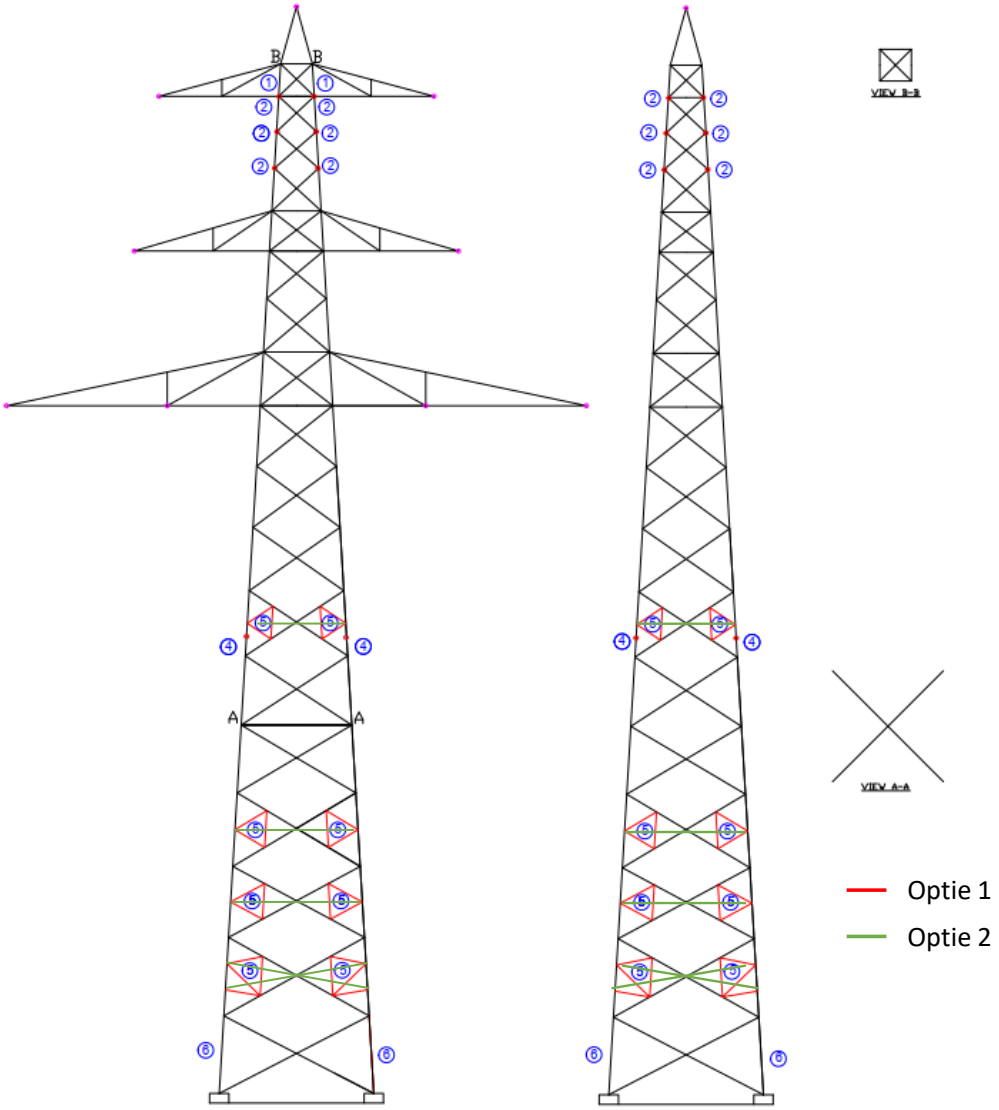
7

TOETSING VERSTERKTE MASTCONSTRUCTIE

7.1 Algemeen

De berekening weergegeven in hoofdstuk 6 laat zien dat de bestaande stalen mast constructie op onderdelen niet voldoet aan afkeurniveau 30 jaar. Daarom is versterking van de constructie vereist voor deze betreffende onderdelen. Een overzicht van de versterking van de mast is weergegeven in Afbeelding 7.1. Naast de voorgestelde knikverkorters in driehoeksverband is ook een oplossing op basis van losse staven mogelijk (optie 2). Een nadere afweging en detaillering is onderwerp van de Detailontwerpfase.

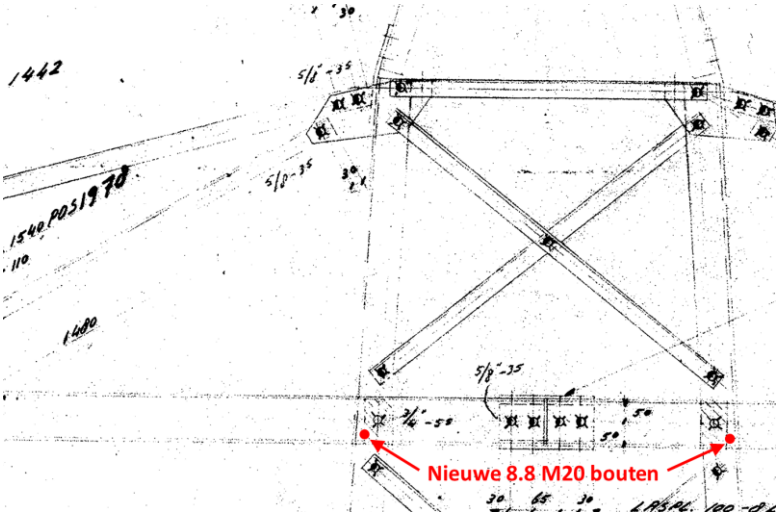
Afbeelding 7.1 Overzicht versterkingen mast 21



7.1.1 Versterking van de verbindingen tussen de boventraverse en de mastbenen (positie 1)

Op basis van de PLS TOWER-berekeningsresultaten voldoen de verbindingen tussen de boventraverse en de mastbenen niet op afschuifcapaciteit onder afkeurniveau. De voorgestelde oplossing is om nieuwe M20 bout en met boutkwaliteit 8.8 aan de verbinding toe te voegen.

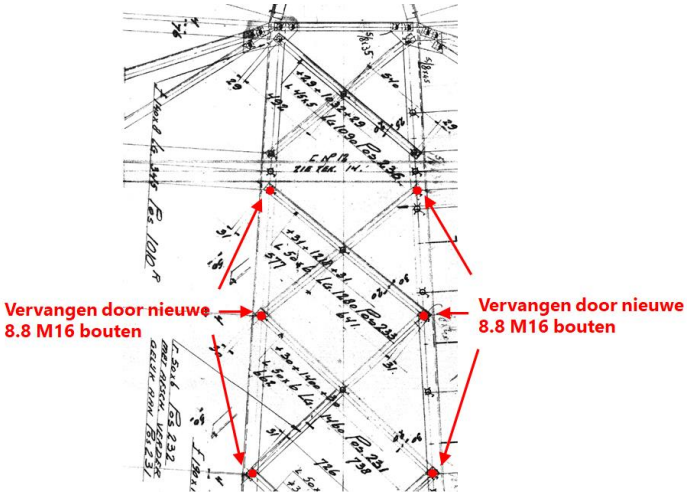
Afbeelding 7.2 Versterking van de verbindingen tussen de boventraverse en de mastbenen (positie 1)



7.1.2 Versterking van de verbindingen van de diagonalen onder boventraverse (positie 2)

Op basis van de PLS TOWER-berekeningsresultaten voldoen de verbindingen van de diagonalen onder boventraverse niet op afschuifcapaciteit onder afkeurniveau. De voorgestelde oplossing is om de M16 bouten met boutkwaliteit 4.6 van de verbindingen door M16 bouten met boutkwaliteit 8.8 te vervangen.

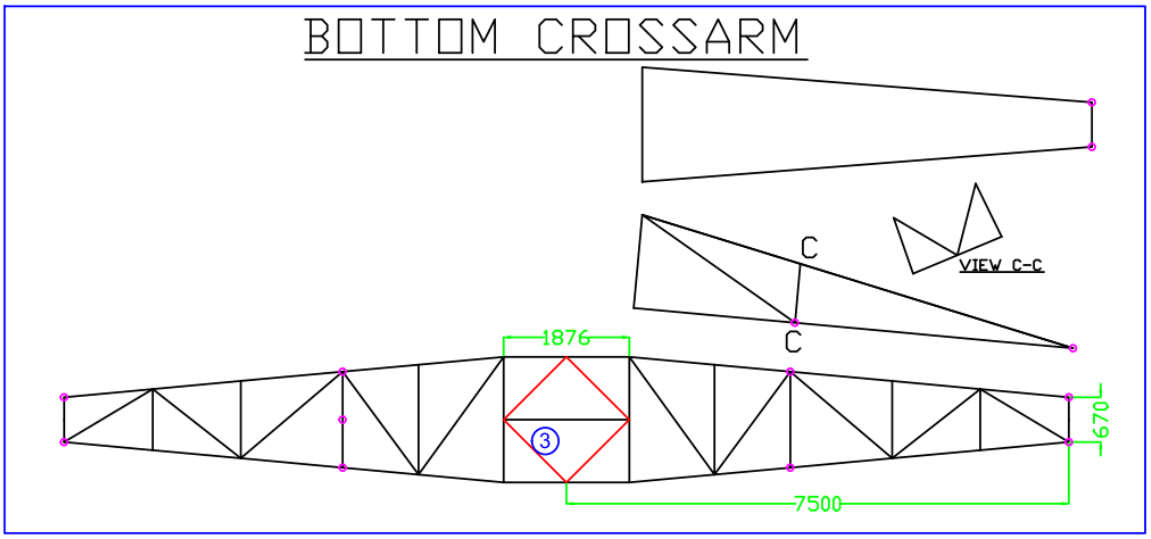
Afbeelding 7.3 Versterking van de verbindingen van de diagonalen onder boventraverse (positie 2)



7.1.3 Versterking van de staven van de ondertraverse (positie 3)

Op basis van de PLS TOWER-berekeningsresultaten voldoen 4 staven (in een kwadrant) in het mastlichaam ter plaatse van de ondertraverse niet op knikstabiliteit onder afkeurniveau.
De voorgestelde oplossing is om de bestaande S235 45*5 gelijkzijdige L-hoekprofielen te vervangen door S355 60*6 gelijkzijdige L-hoekprofielen.

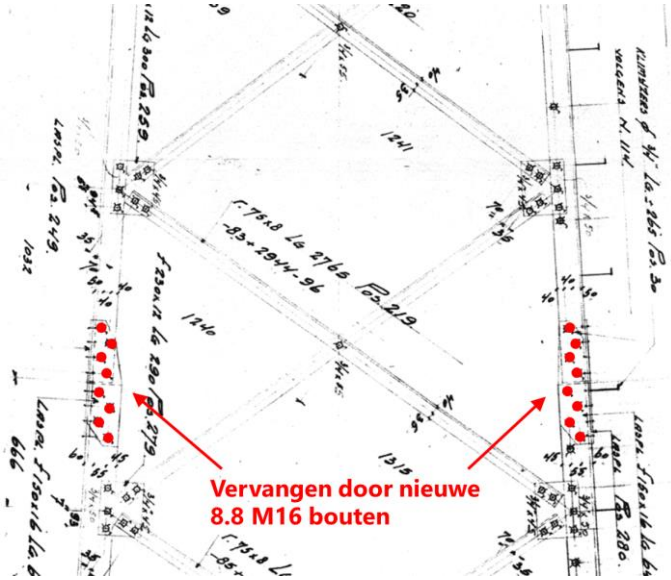
Afbeelding 7.4 Vervanging van 4 staven van de ondertraverse (positie 3)



7.1.4 Versterking van de verbinding tussen de mastbenen (positie 4)

Op basis van de PLS TOWER-berekeningsresultaten voldoen de verbindingen tussen de boventraverse en de mastbenen niet op afschuifcapaciteit onder afkeurniveau. De voorgestelde oplossing is om de M20 bouten met boutkwaliteit 4.6 door de M20 bouten met boutkwaliteit 8.8 te vervangen.

Afbeelding 7.5 Versterking van de verbinding tussen de mastbenen (positie 4)



7.1.5 Versterking van de mastbenen (positie 5)

Op basis van de PLS TOWER-berekeningsresultaten voldoet een aantal secties van de mastbenen niet op knikstabiliteit onder afkeurniveau. Dit geldt voor de onderzijde van de mast (maximale drukkrachten in mastbenen) en voor de sectie in het midden van de mast waar een overgang (verjonging) van het L profiel van 160x15 (onder) naar 130x14 (boven) optreedt. De drukkrachten aan de onderzijde zijn zodanig dat naast knikstabiliteit ook de maximaal opneembare drukkracht bijna wordt bereikt onder afkeurniveau.

Voorgesteld wordt om S355 50*5 gelijkzijdige L-hoekprofielen toe te voegen als knikverkorters zoals weergegeven in Afbeelding 7.1.

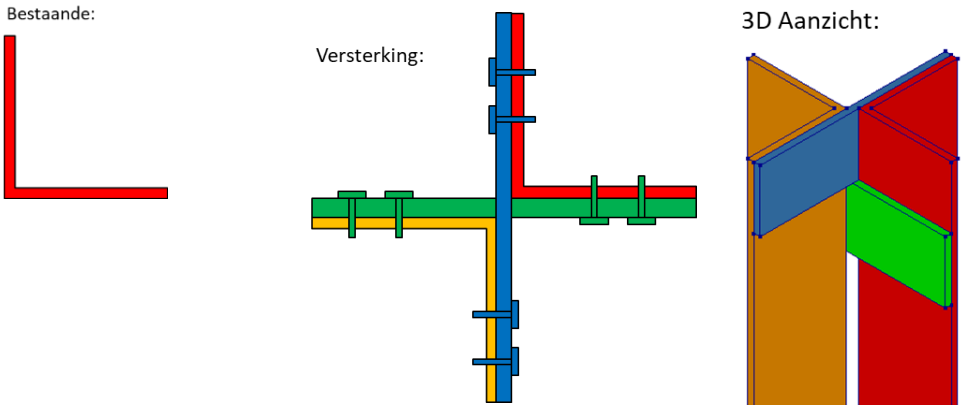
7.1.6 Versterking van de onderzijde van de mastbenen (positie 6)

Op basis van de PLS TOWER-berekeningsresultaten voldoet de onderzijde van de mastbenen niet enkel niet aan knikstabiliteit onder afkeurniveau (en verbouwniveau) maar eveneens niet op drukcapaciteit onder verbouwniveau. Vanuit dit oogpunt wordt voorgesteld de profielen te versterken. Hiermee wordt zowel de knik- als drukcapaciteit van de onderste mastbenen verhoogd.

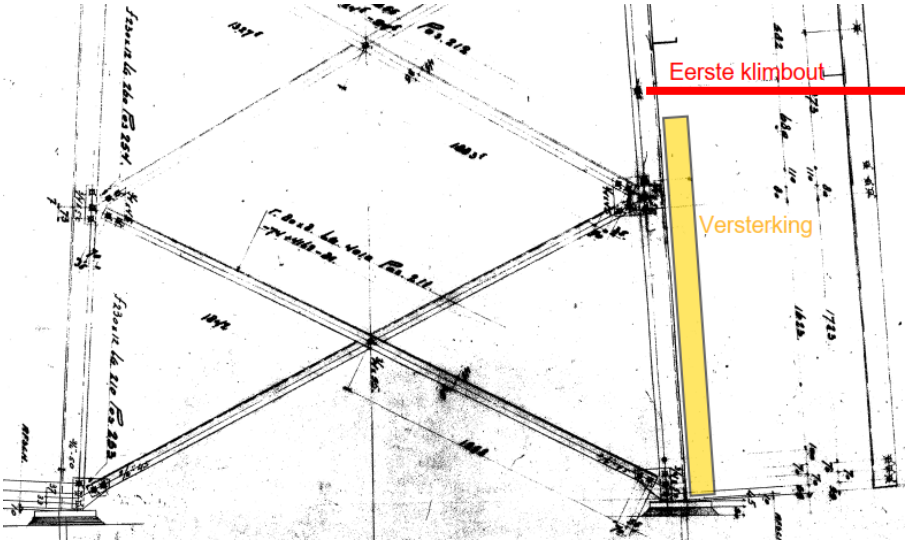
Voor de versterking van de mastbenen zijn 2 opties denkbaar, waarvan er één in de navolgende Detailontwerpfase nader dient te worden uitgewerkt

Optie 1
De gelijkzijdige 160*15 hoekprofielen worden versterkt met hoekprofielen van dezelfde afmeting zoals weergegeven in onderstaande afbeelding. De versterking eindigt voor de onderste klimbout, waarmee derhalve geen conflict is. Afhankelijk van de in de detailontwerpfase te bepalen versterking van de fundatieplaat kan het gecombineerde profiel aan de nieuw aan te brengen staalprofielen voor de fundatie alsook de bestaande ankerplaat worden verbonden.

Afbeelding 7.6 Versterking van onderste gedeelte mastbenen optie 1



Afbeelding 7.7 Versterking van onderste gedeelte mastbenen optie 1

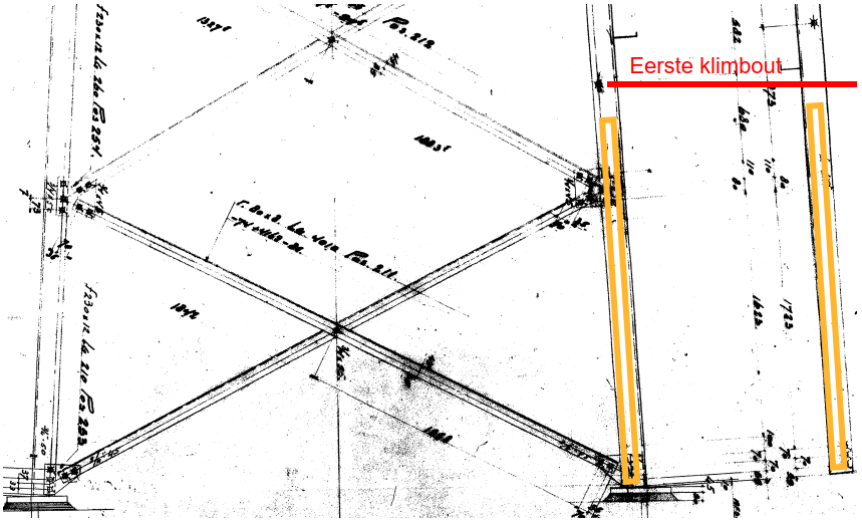


Afbeelding 7.8 Verbinding met ankerplaat in blauw, alternatief is verankering aan toe te voegen staalprofielen fundatie

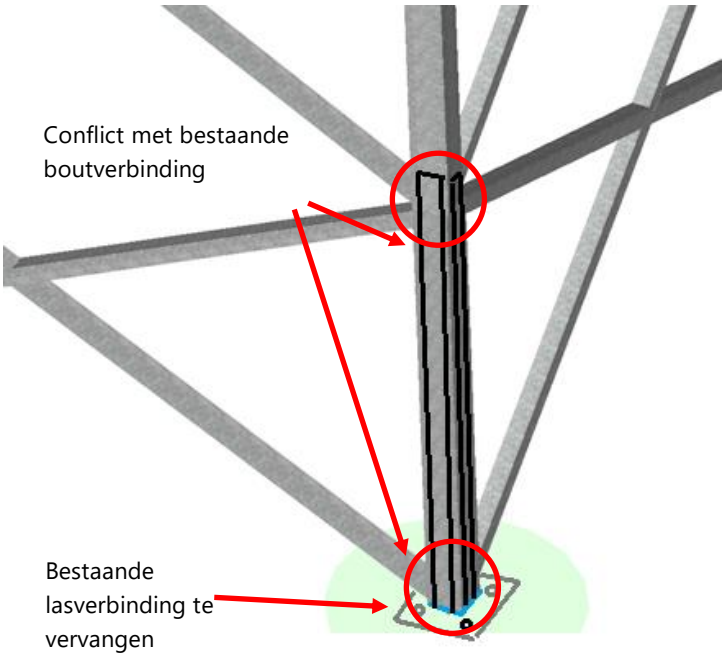
Optie 2

De gelijkzijdige 160*15 hoekprofielen worden versterkt met platen op beide zijden van het profiel. De versterking eindigt gelijk optie 1 voor de onderste klimbout, waarmee derhalve geen conflict is. De nieuw aan te brengen platen dienen te worden verbonden met de bestaande ankerplaat of de staalprofielen toegepast ter versterking van de fundatie. Dit is in detailontwerpfase nader uit te werken. Bij verankering aan de bestaande ankerplaat dient in de detailontwerpfase een oplossing te worden gevonden voor de bestaande lasverbinding in de ankerplaat, die dient te worden vervangen door een lastverbinding met de bestaande hoekprofielen alsook de nieuw toegevoegde platen. Ook dient de boutverbinding van de diagonaal onder de eerste klimbout te worden vervangen gezien het conflict met de toegevoegde plaatprofielen (zie afbeelding 7.7).

Afbeelding 7.9 Versterking van de onderste pootdelen optie 2



Afbeelding 7.10 Versterking van de onderste pootdelen optie 2 (conflicten met bout- en lasverbindingen)



Afweging tussen optie 1 en 2

Optie 1 lijkt praktischer toepasbaar dan optie 2. De extra gelijkzijdige L-hoekprofielen zijn eenvoudig te lassen op een vergrote ankerplaat, waarbij de bestaande lasverbinding tussen ankerplaat en mastbenen kan worden gehandhaafd. Ook hoeft de bestaande ankerverbinding ter plaatse van de diagonaal onder de eerste klimbout niet te worden vervangen. Een definitieve afweging en bijbehorende detaillering vormen onderdeel van de navolgende Detailontwerpfase en vallen buiten de scope van deze Basisontwerpfase.

7.2 Toetsing mast na versterking (verbouwniveau)

De mast inclusief de voornoemde versterkingen in voor verbouwniveau getoetst middels PLS Tower, waarbij optie 1 is toegepast voor onderzijde van de mastbenen. Geconcludeerd kan worden dat met de toegepaste

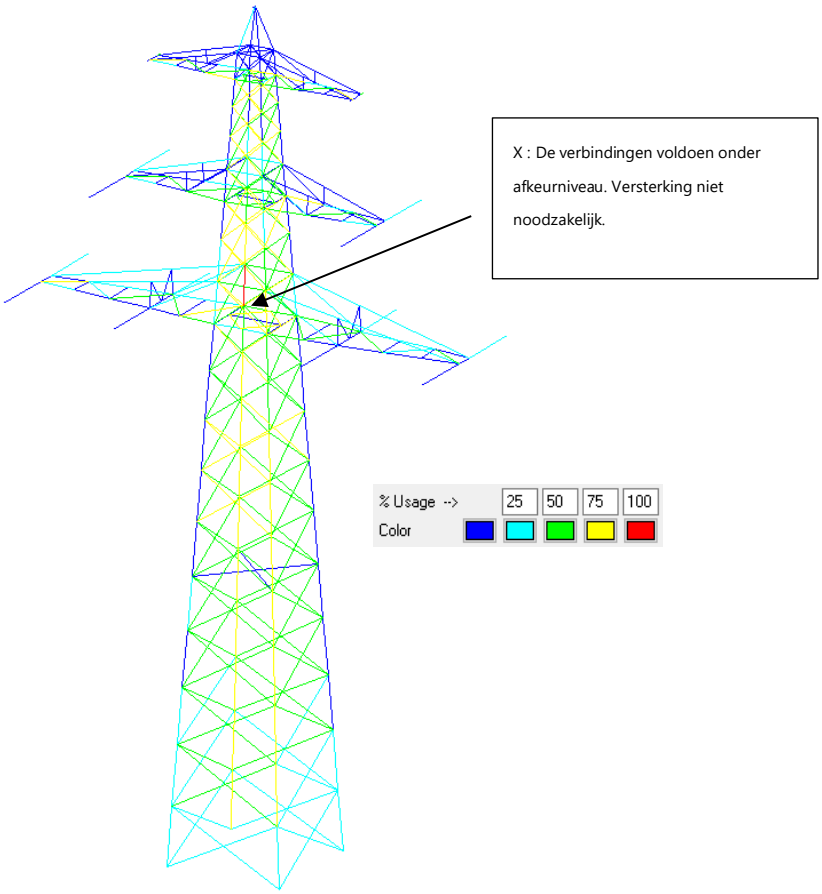
versterkingen de mast voldoet aan de constructieve eisen onder verbouwniveau, zoals weergegeven in onderstaande afbeelding. Gedetailleerde resultaten van de berekening zijn weergegeven in Bijlage B.

- Positie 1: de unity check van de verbindingen tussen de boventraverse en de mastbenen neemt af van 1,43 (afkeur) naar **0,83** (verbouw);
- Positie 2: de unity check van diagonalen onder de boventraverse neemt af van 1,06 (afkeur) naar **0,91** (verbouw);
- Positie 3: de unity check van de staven (in een kwadrant) aan de onderzijde van de onderste traverse neemt af van 1,14 (afkeur) naar **0,92** (verbouw);
- Positie 4: de unity check van de mastbenen ter plaatse van de verbindingen neemt af van 1,55 (afkeur) naar **0,97** (verbouw);
- Positie 5: de unity check van de mastbenen neemt af van 1,14 (afkeur) naar **0,98** (verbouw);
- Positie 6: de unity check van het onderste gedeelte van de mastbenen neemt af van 1,14 (afkeur) naar **0,99** (verbouw);

Op basis van de PLS TOWER berekeningresultaten, voldoen de verbindingen tussen mastbenen onder de onderste traverse niet op afschuifcapaciteit onder verbouwniveau (positie X in

Afbeelding 7.11), met een unity check van 1,03. Maar de verbindingen voldoen onder afkeurniveau, waardoor er op deze locatie geen versterking wordt voorzien.

Afbeelding 7.11 PLS TOWER berekening resultaten na versterking van de mast



7.2.1 Toetsing vervormingen mastconstructie verbouwniveau

De doorbuiging van de mast moet gecontroleerd worden in overeenstemming met NEN-EN 50341-2-15 artikel 3.3.3/NL.1 (Zie sectie 2.4.1 van dit rapport). De onderstaande doorbuigingen zijn gebaseerd op verbouwniveau belastingcombinatiefactoren.

De maximale horizontale doorbuiging van de top van de mast is 0.16 m onder alle SpLS en SeLS belastinggevallen.

$$H \times 5.5\% = 28.1 \times 5.5\% = 1.5455\ m$$
$$0.16m \ll 1.5455\ m$$

De horizontale doorbuiging van de top van de mast onder EDS is 0.038 m.

$$H \times 1.25\% = 28.1 \times 1.25\% = 0.35125\ m$$
$$0.038m \ll 0.35125\ m$$

The maximaal toelaatbare doorbuiging in relatie tot de referentie lijn is 0.7 % en 0.3 % van de totale hoogte, respectievelijk voor SLS en EDS.

$$H \times 0.7\% = 28.1 \times 0.7\% = 0.1967\ m$$

$$H \times 0.3\% = 28.1 \times 0.3\% = 0.0843\ m$$

De absolute doorbuiging van de top van de mast is nog kleiner dan de maximaal toelaatbare relatieve doorbuiging, daarom is een controle van de relatieve doorbuiging van de mast niet is vereist.

8

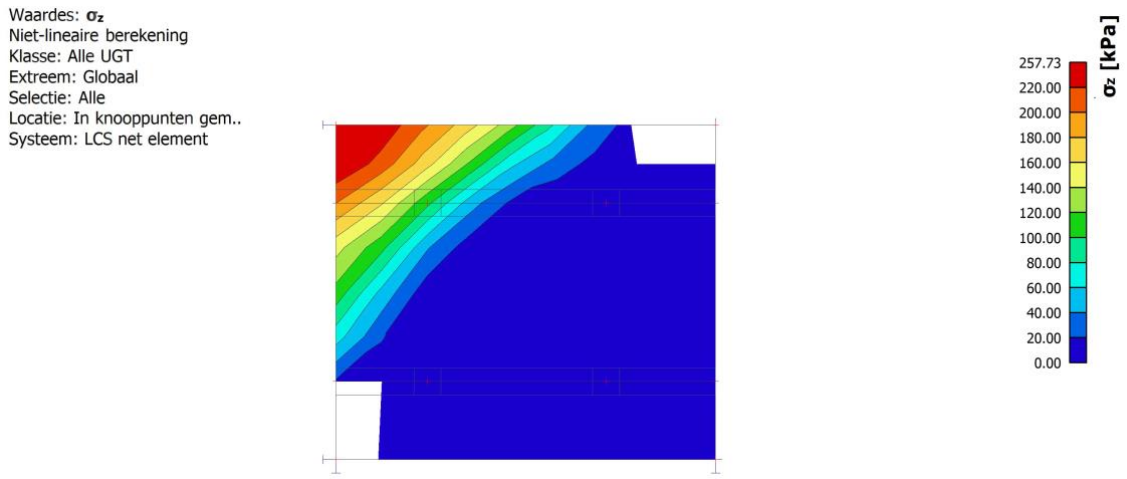
CONTROLE EN VERSTERKING FUNDERING MAST

8.1 Toetsing bestaande fundering

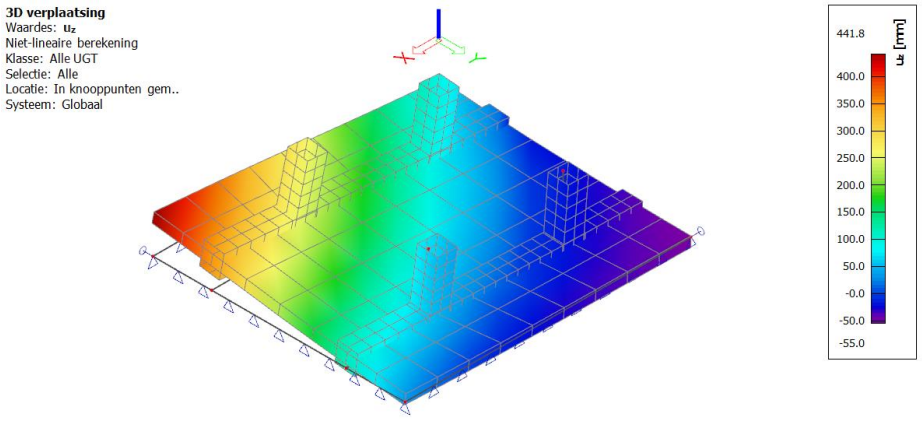
De bestaande fundering van de mast, zoals te zien in 2.5.2, is op afkeurniveau getoetst. De controleberekening is te vinden in bijlage C. In deze berekening zijn ook de bestaande ankers getoetst op de nieuwe belastingen.

De theoretische maximale grondspanning onder de fundering, berekend voor de gewijzigde situatie is 258 kN/m^2 hetgeen in de praktijk niet kan optreden. Deze hoge theoretische grondspanning en de zeer beperkte drukzone onder de funderingsplaat zijn evenwel een indicatie dat de staalfundatie op deze wijze niet voldoet. De U.C. in de wapening in de funderingsplaat in de richting haaks op de geleiders is 2,05. Zowel de grondspanning als de wapening voldoen niet. De bestaande staalfundatie dient versterkt te worden.

Afbeelding 8.1 Verdeling funderingsdrukken bestaande situatie (afkeurniveau)



Afbeelding 8.2 Vervorming fundatieplaat bestaand situatie (afkeurniveau)



De bestaande ankers voldoen op treksterkte (zie bijlage C). De verankeringslengte van de bestaande ankers voldoet echter niet. Er dienen nieuwe of extra ankers aangebracht te worden.

8.2 Voorgestelde versterkingen

8.2.1 Versterking betonconstructie

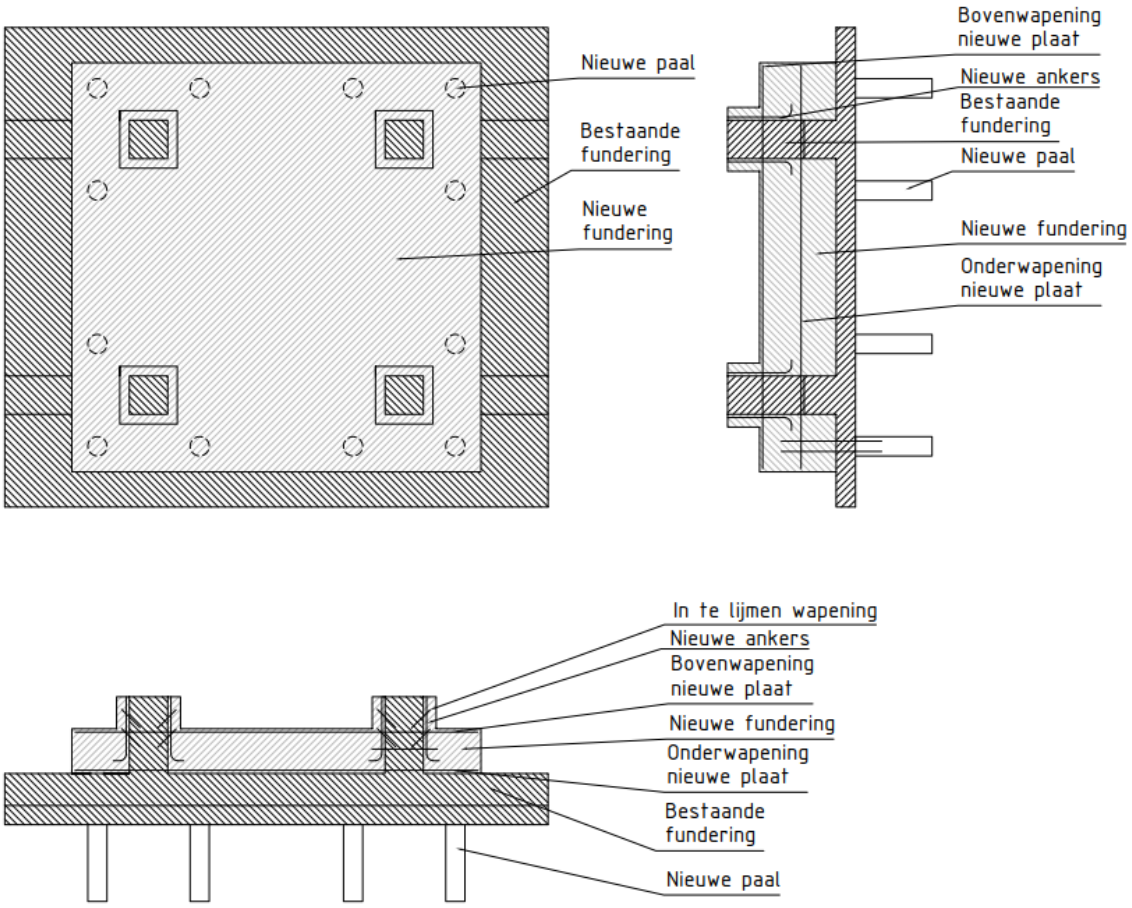
Optie 1

Ter versterking van de bestaande fundering wordt in optie 1 voorgesteld een nieuwe paalfundering voor de mast te maken. Hiervoor dienen gaten in de bestaande betonnen funderingsplaat te worden geboord. Door deze gaten dienen vervolgens palen gemaakt te worden. Over deze palen wordt één nieuwe funderingspoer gemaakt voor de gehele mast. Rondom de bestaande opstortingen op de fundering wordt nieuw beton gestort. De bestaande opstortingen van de bestaande fundering dienen door middel van in te lijmen wapening aan de nieuwe poer gekoppeld te worden. Een opzet van de versterkte fundering is te zien in Afbeelding 8.3.

Voor deze optie wordt voorgesteld de constructieve nieuwe poer (met wapeningskorf) te voorzien boven de bestaande ribben en de ruimte onder de ribben op te vullen met beton. Hiermee ontstaat voldoende hoogte om de dwarskrachtoverdracht vanuit de palen mogelijk te maken. Verdere uitwerking en detaillering is onderwerp van de Detailontwerpfase. De constructieve functie van de bestaande staalfundering alsook de aanwezige ribben komt hiermee te vervallen. Duurzaamheid (waaronder aanwezige te beperkte betondekkingen) van de bestaande fundaties is hiermee niet meer relevant.

Op basis van de beschikbare sonderingen wordt ingeschat dat nieuwe funderingspalen lopen tot een diepte van circa +11,5 m N.A.P. Dit geeft een indicatieve paallengte van 9 m. Een diameter van 300 mm voor de palen wordt geschat. De gegeven paallengte en diameter zijn niet gebaseerd op een berekening (enkel indicatie) en dienen in het kader van een navolgende Detailontwerpfase (buiten scope van dit Basisontwerp) te worden bepaald.

Afbeelding 8.3 Bovenaanzicht en zijaanzichten van de versterkte betonconstructie voor optie 1

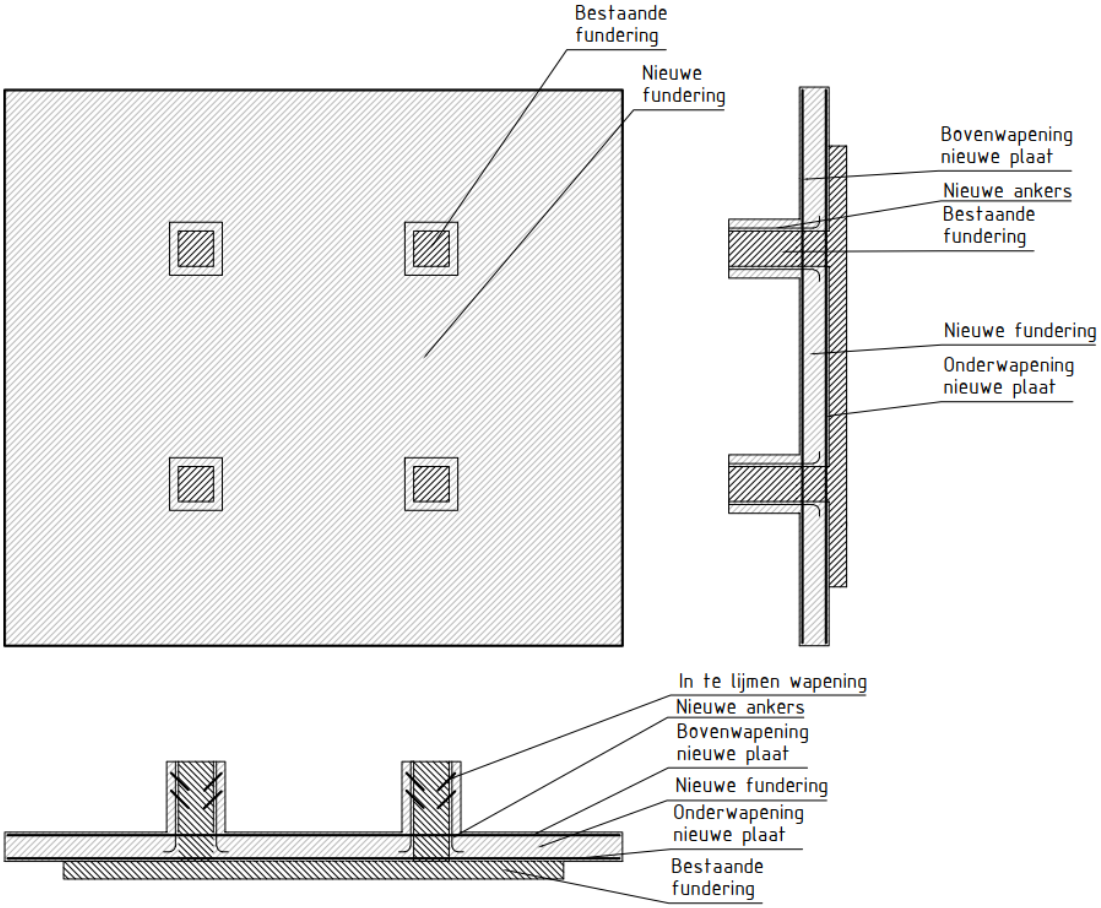


Optie 2

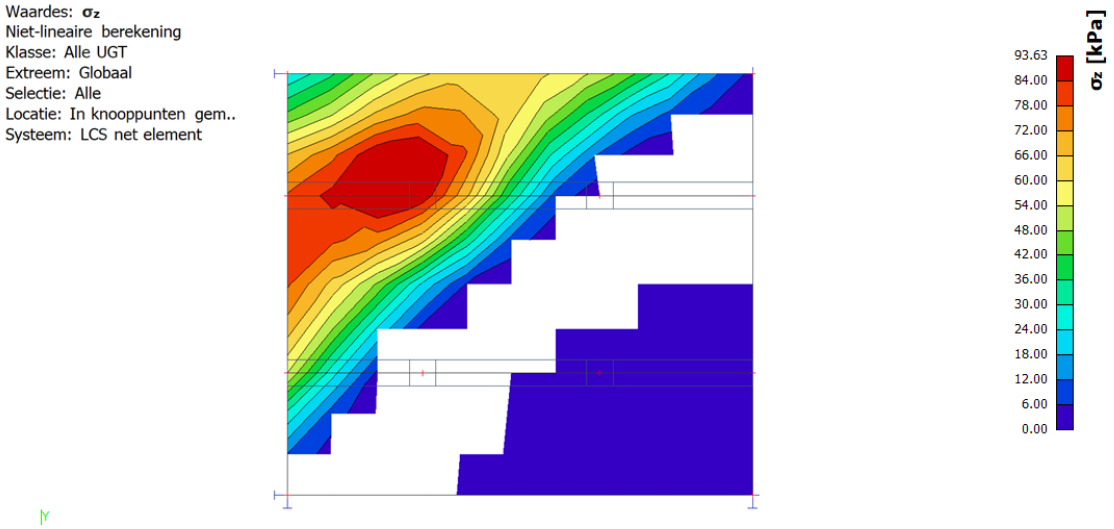
Ter versterking van de bestaande fundering wordt in optie 2 voorgesteld de bestaande funderingsplaat uit te breiden. Boven de bestaande funderingsplaat wordt een nieuwe fundering gestort die een groter oppervlak heeft dan de bestaande fundering. De bestaande verstijvingsribben dienen naar verwachting te worden gesloopt gezien de te beperkte betondekking van 25mm. Aangezien geen palen met bijbehorende dwarskrachtinleiding aanwezig zijn in deze optie kan de funderingsplaat naar verwachting slanker worden uitgevoerd dan bij optie 1. De bestaande opstortingen van de bestaande fundering dienen door middel van in te lijmen wapening aan de nieuwe poer gekoppeld te worden. Een opzet van de versterkte fundering is te zien in onderstaande afbeelding.

Ter illustratie van het effect van het vergroten van de fundering is het constructiemodel gebruikt voor de toetsing van de bestaande fundering aangepast, waarbij de funderingsplaat aan alle vier de zijdes 1 meter is uitgebreid. De indicatieve berekening is uitgevoerd onder afkeurniveau om een vergelijking met de uitgevoerde berekening de bestaande situatie (zonder verzwaring) te kunnen maken. Hiermee kan de effectiviteit van de plaatvergroting worden aangetoond. Duidelijk te zien is dat vergroting van de plaat leidt tot aanzienlijk kleinere grondspanningen (afname piekspanning 257 kPa naar 93 kPa) onder de fundering en kleinere verplaatsingen. In een navolgende Detailontwerpfase dienen de aanpassingen nader bepaald te worden. In deze fase is in ieder geval aangetoond dat een vergroting van de plaat naast het aanbrengen van palen (optie 1) een effectieve maatregel is.

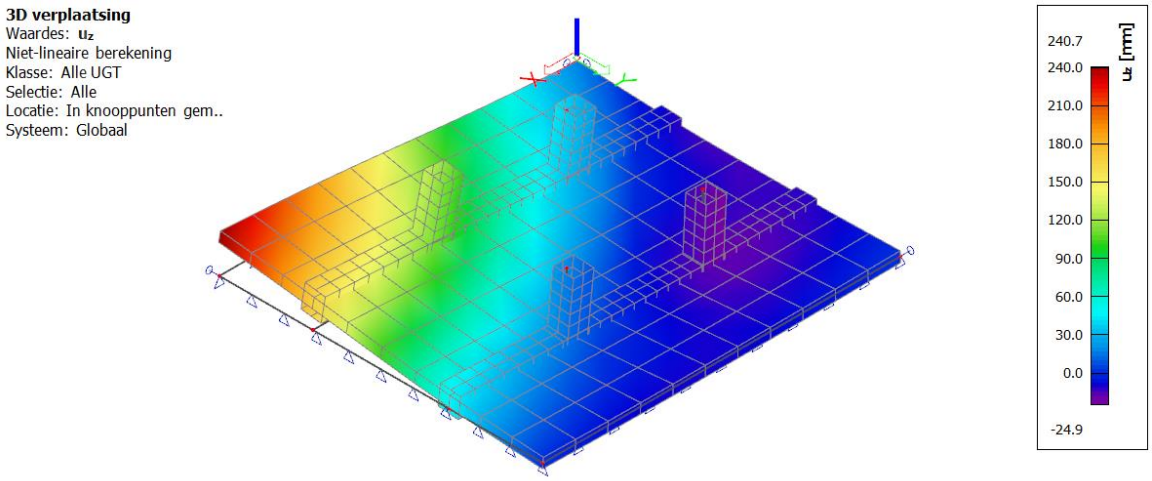
Afbeelding 8.4 Bovenaanzicht en zijaanzichten van de versterkte betonconstructie voor optie 2



Afbeelding 8.5 Verdeling funderingsdrukken na vergroting fundatieplaat (afkeurniveau)



Afbeelding 8.6 Verdeling funderingsdrukken na vergroting fundatieplaat (afkeurniveau)

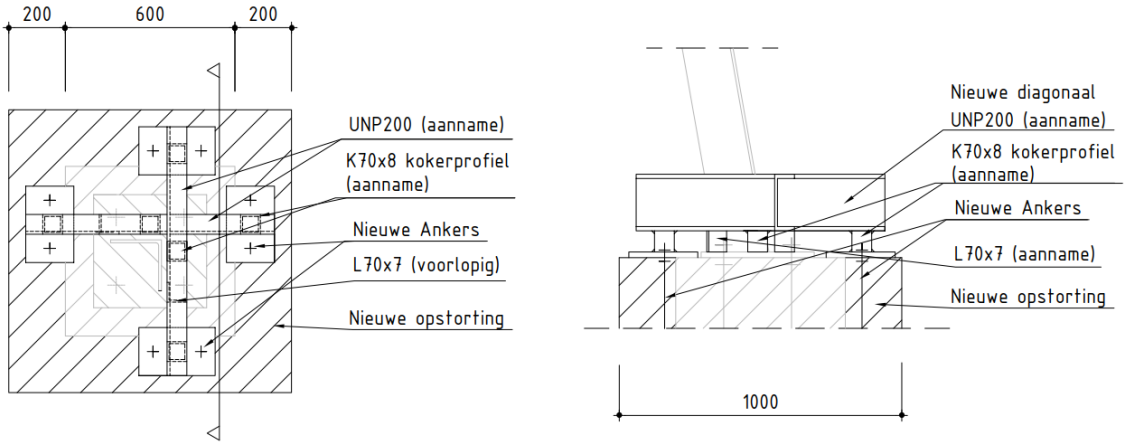


8.2.2 Ankers

Ter versterking van de ankers worden nieuwe ankers in de nieuwe betonconstructie ingestort. Dit is te zien in onderstaande afbeelding. Om de trekkracht uit de kolom naar de nieuwe ankers over te brengen worden liggers over de bestaande kolomvoetplaat gelegd. De drukkracht in de kolom zal door de bestaande betonnen opstorting naar de nieuwe fundering afgedragen worden. Een opzet van de aan te brengen liggers en overige onderdelen is te zien in Afbeelding 8.7.

Aan deze versterking kan, indien gewenst, de versterking van de onderste pootdelen verbonden worden zodat laswerkzaamheden aan de bestaande voetplaat niet nodig zijn. De daadwerkelijke detaillering en bijbehorende ontwerpkeuzen zullen onderdeel zijn van de navolgende detailontwerpfase.

Afbeelding 8.7 Boven- en zijaanzicht van de versterking ten behoeve van de nieuwe ankers



9

AFSPANPORTALEN

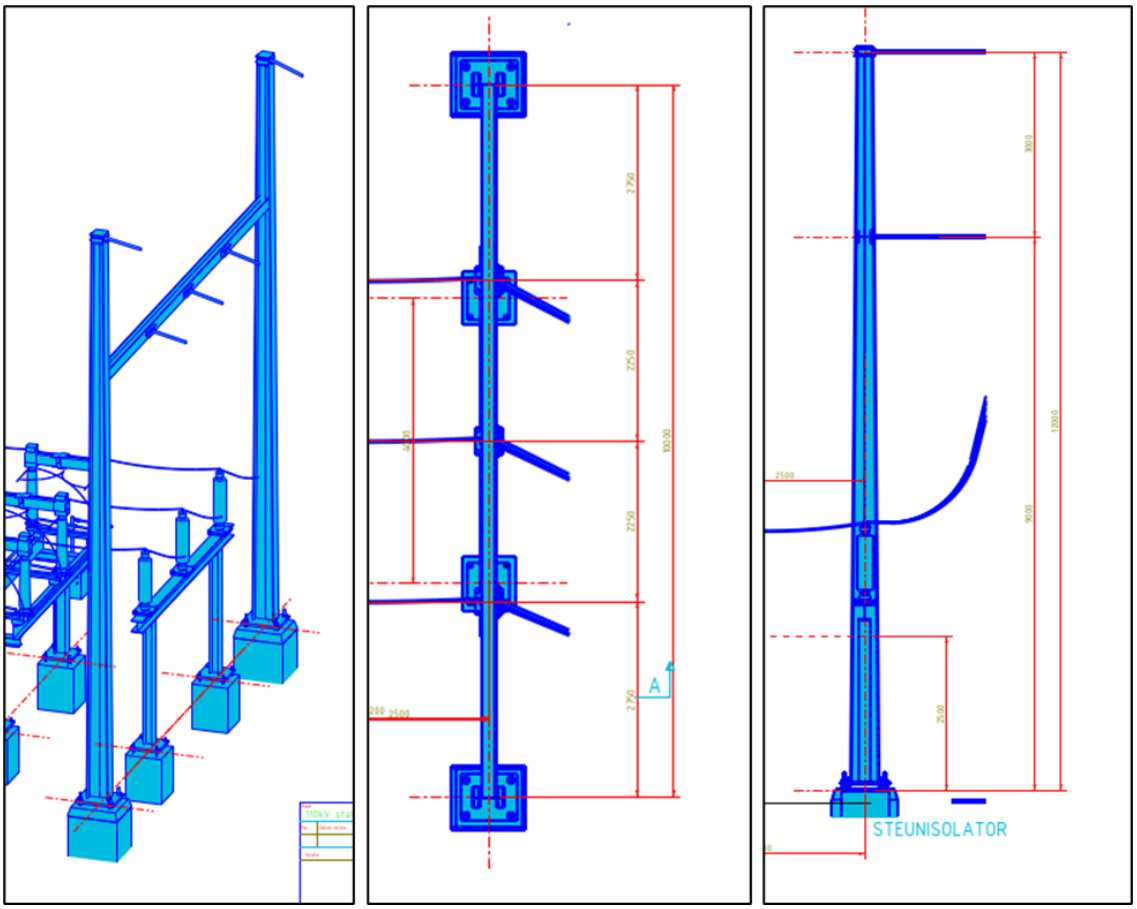
9.1 Beschrijving ontwerp

De twee nieuwe identieke afspanportalen bestaan ieder uit een tweetal kolommen HEA500 met daartussen een ligger HEA300. De ligger is momentvast aan de kolommen verbonden. De staalconstructie is ter illustratie weergegeven in onderstaande afbeelding, waarbij aangetekend wordt dat de weergegeven tapse staanders HEA500 profielen (niet taps) zijn.

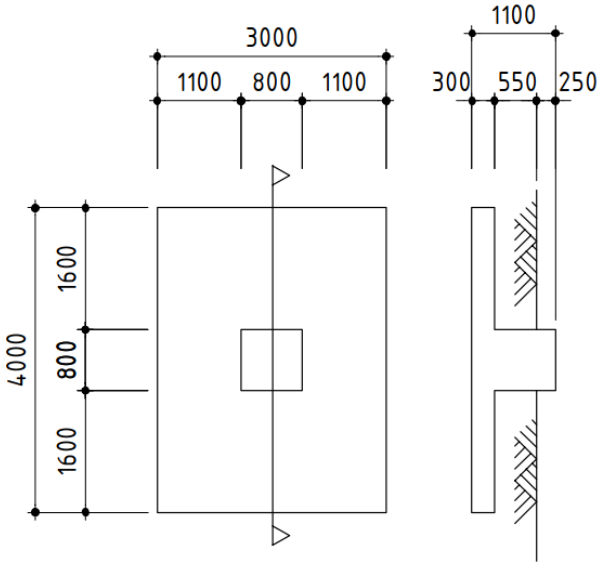
De afspanportalen worden gefundeerd op een fundering op staal. De funderingsplaat heeft een grootte van 3 m bij 4 m. De korte zijde van de plaat ligt parallel aan het portaal. Op deze funderingsplaat van 300 mm dik staat in het midden een opstorting waarop de stalen kolommen geplaatst worden. Een schets van de fundering is te zien in Afbeelding 9.2.

Een berekening van de staalconstructie en de bijbehorende fundering is te vinden in bijlage D.

Afbeelding 9.1 Afbeeldingen van het portaal (indicatief, profielen betreffen HEA300/500 volgens Basisontwerp, profielen lopen niet taps toe zoals in de afbeelding)



Afbeelding 9.2 Schets van de fundering voor een kolom van de nieuwe afspanportalen



Bijlagen

BIJLAGE A: GELEIDER- EN MASTBELASTINGEN

BIJLAGE A1: GELEIDER- EN MASTBELASTINGEN AFKEURNIVEAU

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1	LC1_ULS_NL1a=Wind_Dir=0	C1F1A	702	-1386	669
2	LC1_ULS_NL1a=Wind_Dir=0	C1F2A	702	-1386	669
3	LC1_ULS_NL1a=Wind_Dir=0	C1F3A	702	-845	2337
4	LC1_ULS_NL1a=Wind_Dir=0	C1F4A	702	-845	2337
5	LC1_ULS_NL1a=Wind_Dir=0	C2F1A	702	-1386	669
6	LC1_ULS_NL1a=Wind_Dir=0	C2F2A	702	-845	2337
7	LC1_ULS_NL1a=Wind_Dir=0	E1F1A	497	-1401	690
8	LC1_ULS_NL1a=Wind_Dir=0	E1F2A	497	-802	2362
9	LC1_ULS_NL1a=Wind_Dir=0	E2F1A	497	-802	2362
10	LC1_ULS_NL1a=Wind_Dir=0	C1F1B	1000	-9338	-9754
11	LC1_ULS_NL1a=Wind_Dir=0	C1F2B	1000	-9338	-9754
12	LC1_ULS_NL1a=Wind_Dir=0	C1F3B	1000	-9338	-9754
13	LC1_ULS_NL1a=Wind_Dir=0	C1F4B	1000	-9338	-9754
14	LC1_ULS_NL1a=Wind_Dir=0	C2F1B	1000	-9338	-9754
15	LC1_ULS_NL1a=Wind_Dir=0	C2F2B	1000	-9338	-9754
16	LC1_ULS_NL1a=Wind_Dir=0	E1F1B	707	-7863	-8283
17	LC1_ULS_NL1a=Wind_Dir=0	E1F2B	707	-7863	-8283
18	LC1_ULS_NL1a=Wind_Dir=0	E2F1B	497	-1401	690
19	LC1_ULS_NL1a=Wind_Dir=0	Sd5S	0	-2139	0
20	LC1_ULS_NL1a=Wind_Dir=0	Sd5X	0	-2139	0
21	LC1_ULS_NL1a=Wind_Dir=0	Sd5XY	0	-2139	0
22	LC1_ULS_NL1a=Wind_Dir=0	Sd5Y	0	-2139	0
23	LC1_ULS_NL1a=Wind_Dir=0	CP	0	-2443	0
24	LC1_ULS_NL1a=Wind_Dir=0	CX	0	-2443	0
25	LC1_ULS_NL1a=Wind_Dir=0	CXY	0	-2443	0
26	LC1_ULS_NL1a=Wind_Dir=0	CY	0	-2443	0
27	LC1_ULS_NL1a=Wind_Dir=0	Sd10S	0	-1934	0
28	LC1_ULS_NL1a=Wind_Dir=0	Sd10X	0	-1934	0
29	LC1_ULS_NL1a=Wind_Dir=0	Sd10XY	0	-1934	0
30	LC1_ULS_NL1a=Wind_Dir=0	Sd10Y	0	-1934	0
31	LC1_ULS_NL1a=Wind_Dir=0	CA2.1P	0	-639	0
32	LC1_ULS_NL1a=Wind_Dir=0	CA2.1X	0	-639	0
33	LC1_ULS_NL1a=Wind_Dir=0	CA2.1XY	0	-639	0
34	LC1_ULS_NL1a=Wind_Dir=0	CA2.1Y	0	-639	0
35	LC1_ULS_NL1a=Wind_Dir=0	Sd12S	0	-1100	0
36	LC1_ULS_NL1a=Wind_Dir=0	Sd12X	0	-1100	0
37	LC1_ULS_NL1a=Wind_Dir=0	Sd12XY	0	-1100	0
38	LC1_ULS_NL1a=Wind_Dir=0	Sd12Y	0	-1100	0
39	LC1_ULS_NL1a=Wind_Dir=0	CA1.1P	0	-651	0
40	LC1_ULS_NL1a=Wind_Dir=0	CA1.1X	0	-651	0
41	LC1_ULS_NL1a=Wind_Dir=0	CA1.1XY	0	-651	0
42	LC1_ULS_NL1a=Wind_Dir=0	CA1.1Y	0	-651	0
43	LC1_ULS_NL1a=Wind_Dir=0	DP	0	-835	0
44	LC1_ULS_NL1a=Wind_Dir=0	DX	0	-835	0
45	LC1_ULS_NL1a=Wind_Dir=0	DXY	0	-835	0
46	LC1_ULS_NL1a=Wind_Dir=0	DY	0	-835	0
47	LC1_ULS_NL1a=Wind_Dir=0	TopP	0	-524	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
48	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F1A	1505	-3144	1628
49	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F2A	1505	-3144	1628
50	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F3A	1505	-1474	5231
51	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F4A	1505	-1474	5231
52	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F1A	1505	-3144	1628
53	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F2A	1505	-1474	5231
54	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F1A	1229	-3618	1883
55	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F2A	1229	-1593	5761
56	LC2_ULS_NL3=Wind+Ice_Dir=0	E2F1A	1229	-1593	5761
57	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F1B	2142	-16794	-20077
58	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F2B	2142	-16794	-20077
59	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F3B	2142	-16794	-20077
60	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F4B	2142	-16794	-20077
61	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F1B	2142	-16794	-20077
62	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F2B	2142	-16794	-20077
63	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F1B	1750	-15601	-18655
64	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F2B	1750	-15601	-18655
65	LC2_ULS_NL3=Wind+Ice_Dir=0	E2F1B	1229	-3618	1883
66	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5S	0	-644	0
67	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5X	0	-644	0
68	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5XY	0	-644	0
69	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5Y	0	-644	0
70	LC2_ULS_NL3=Wind+Ice_Dir=0	CP	0	-735	0
71	LC2_ULS_NL3=Wind+Ice_Dir=0	CX	0	-735	0
72	LC2_ULS_NL3=Wind+Ice_Dir=0	CXY	0	-735	0
73	LC2_ULS_NL3=Wind+Ice_Dir=0	CY	0	-735	0
74	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10S	0	-582	0
75	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10X	0	-582	0
76	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10XY	0	-582	0
77	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10Y	0	-582	0
78	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1P	0	-192	0
79	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1X	0	-192	0
80	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1XY	0	-192	0
81	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1Y	0	-192	0
82	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12S	0	-331	0
83	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12X	0	-331	0
84	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12XY	0	-331	0
85	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12Y	0	-331	0
86	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1P	0	-196	0
87	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1X	0	-196	0
88	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1XY	0	-196	0
89	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1Y	0	-196	0
90	LC2_ULS_NL3=Wind+Ice_Dir=0	DP	0	-251	0
91	LC2_ULS_NL3=Wind+Ice_Dir=0	DX	0	-251	0
92	LC2_ULS_NL3=Wind+Ice_Dir=0	DXY	0	-251	0
93	LC2_ULS_NL3=Wind+Ice_Dir=0	DY	0	-251	0
94	LC2_ULS_NL3=Wind+Ice_Dir=0	TopP	0	-158	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
95	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F1A	702	-1033	535
96	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F2A	702	-1033	535
97	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F3A	702	-348	1180
98	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F4A	702	-348	1180
99	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F1A	702	-1033	535
100	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F2A	702	-348	1180
101	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F1A	497	-1229	642
102	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F2A	497	-429	1547
103	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E2F1A	497	-429	1547
104	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F1B	1000	-9203	-11332
105	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F2B	1000	-9203	-11332
106	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F3B	1000	-9203	-11332
107	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F4B	1000	-9203	-11332
108	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F1B	1000	-9203	-11332
109	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F2B	1000	-9203	-11332
110	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F1B	707	-7833	-9663
111	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F2B	707	-7833	-9663
112	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E2F1B	497	-1229	642
113	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5S	0	-435	0
114	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5X	0	-435	0
115	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5XY	0	-435	0
116	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5Y	0	-435	0
117	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CP	0	-497	0
118	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CX	0	-497	0
119	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CXY	0	-497	0
120	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CY	0	-497	0
121	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10S	0	-394	0
122	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10X	0	-394	0
123	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10XY	0	-394	0
124	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10Y	0	-394	0
125	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1P	0	-130	0
126	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1X	0	-130	0
127	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1XY	0	-130	0
128	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1Y	0	-130	0
129	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12S	0	-224	0
130	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12X	0	-224	0
131	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12XY	0	-224	0
132	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12Y	0	-224	0
133	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1P	0	-132	0
134	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1X	0	-132	0
135	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1XY	0	-132	0
136	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1Y	0	-132	0
137	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DP	0	-170	0
138	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DX	0	-170	0
139	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DXY	0	-170	0
140	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DY	0	-170	0
141	LC3_ULS_NL4=MinTemp+Wind_Dir=0	TopP	0	-107	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
142	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F1A	1500	0	0
143	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F2A	669	-880	468
144	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F3A	669	-241	968
145	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F4A	2169	-241	968
146	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F1A	2169	-880	468
147	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F2A	2169	-241	968
148	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F1A	1973	-863	459
149	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F2A	1973	-240	963
150	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E2F1A	473	-240	963
151	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F1B	952	-4643	-5943
152	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F2B	952	-4643	-5943
153	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F3B	952	-4643	-5943
154	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F4B	952	-4643	-5943
155	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F1B	952	-4643	-5943
156	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F2B	952	-4643	-5943
157	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F1B	674	-3701	-4737
158	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F2B	674	-3701	-4737
159	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
160	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F1A	2169	-880	468
161	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F2A	669	-880	468
162	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F3A	669	-241	968
163	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F4A	1500	0	0
164	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F1A	2169	-880	468
165	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F2A	2169	-241	968
166	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F1A	1973	-863	459
167	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F2A	1973	-240	963
168	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E2F1A	473	-240	963
169	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F1B	952	-4643	-5943
170	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F2B	952	-4643	-5943
171	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F3B	952	-4643	-5943
172	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F4B	952	-4643	-5943
173	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F1B	952	-4643	-5943
174	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F2B	952	-4643	-5943
175	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F1B	674	-3701	-4737
176	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F2B	674	-3701	-4737
177	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
178	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F1A	2169	-880	468
179	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F2A	669	-880	468
180	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F3A	669	-241	968
181	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F4A	2169	-241	968
182	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F1A	1500	0	0
183	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F2A	2169	-241	968
184	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F1A	1973	-863	459
185	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F2A	1973	-240	963
186	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E2F1A	473	-240	963
187	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F1B	952	-4643	-5943
188	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F2B	952	-4643	-5943
189	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F3B	952	-4643	-5943
190	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F4B	952	-4643	-5943
191	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F1B	952	-4643	-5943
192	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F2B	952	-4643	-5943
193	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F1B	674	-3701	-4737
194	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F2B	674	-3701	-4737
195	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
196	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F1A	2169	-880	468
197	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F2A	669	-880	468
198	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F3A	669	-241	968
199	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F4A	2169	-241	968
200	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F1A	2169	-880	468
201	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F2A	1500	0	0
202	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F1A	1973	-863	459
203	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F2A	1973	-240	963
204	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E2F1A	473	-240	963
205	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F1B	952	-4643	-5943
206	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F2B	952	-4643	-5943
207	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F3B	952	-4643	-5943
208	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F4B	952	-4643	-5943
209	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F1B	952	-4643	-5943
210	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F2B	952	-4643	-5943
211	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F1B	674	-3701	-4737
212	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F2B	674	-3701	-4737
213	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
214	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F1A	2169	-880	468
215	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F2A	669	-880	468
216	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F3A	669	-241	968
217	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F4A	2169	-241	968
218	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F1A	2169	-880	468
219	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F2A	2169	-241	968
220	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F1A	1500	0	0
221	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F2A	1973	-240	963
222	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E2F1A	473	-240	963
223	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F1B	952	-4643	-5943
224	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F2B	952	-4643	-5943
225	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F3B	952	-4643	-5943
226	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F4B	952	-4643	-5943
227	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F1B	952	-4643	-5943
228	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F2B	952	-4643	-5943
229	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F1B	674	-3701	-4737
230	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F2B	674	-3701	-4737
231	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
232	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F1A	2169	-880	468
233	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F2A	669	-880	468
234	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F3A	669	-241	968
235	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F4A	2169	-241	968
236	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F1A	2169	-880	468
237	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F2A	2169	-241	968
238	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F1A	1973	-863	459
239	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F2A	1500	0	0
240	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E2F1A	473	-240	963
241	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F1B	952	-4643	-5943
242	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F2B	952	-4643	-5943
243	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F3B	952	-4643	-5943
244	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F4B	952	-4643	-5943
245	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F1B	952	-4643	-5943
246	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F2B	952	-4643	-5943
247	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F1B	674	-3701	-4737
248	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F2B	674	-3701	-4737

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
249	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E2F1B	473	-863	459
250	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F1A	2169	-880	468
251	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F2A	669	-880	468
252	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F3A	669	-241	968
253	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F4A	2169	-241	968
254	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F1A	2169	-880	468
255	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F2A	2169	-241	968
256	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F1A	1973	-863	459
257	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F2A	1973	-240	963
258	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E2F1A	473	-240	963
259	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F1B	1500	0	0
260	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F2B	952	-4643	-5943
261	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F3B	952	-4643	-5943
262	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F4B	952	-4643	-5943
263	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F1B	952	-4643	-5943
264	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F2B	952	-4643	-5943
265	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F1B	674	-3701	-4737
266	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F2B	674	-3701	-4737
267	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
268	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F1A	2169	-880	468
269	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F2A	669	-880	468
270	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F3A	669	-241	968
271	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F4A	2169	-241	968
272	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F1A	2169	-880	468
273	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F2A	2169	-241	968
274	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F1A	1973	-863	459
275	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F2A	1973	-240	963
276	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E2F1A	473	-240	963
277	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F1B	952	-4643	-5943
278	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F2B	952	-4643	-5943
279	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F3B	952	-4643	-5943
280	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F4B	1500	0	0
281	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F1B	952	-4643	-5943
282	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F2B	952	-4643	-5943
283	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F1B	674	-3701	-4737
284	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F2B	674	-3701	-4737
285	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
286	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F1A	2169	-880	468
287	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F2A	669	-880	468
288	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F3A	669	-241	968
289	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F4A	2169	-241	968
290	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F1A	2169	-880	468
291	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F2A	2169	-241	968
292	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F1A	1973	-863	459
293	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F2A	1973	-240	963
294	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E2F1A	473	-240	963
295	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F1B	952	-4643	-5943
296	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F2B	952	-4643	-5943
297	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F3B	952	-4643	-5943
298	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F4B	952	-4643	-5943
299	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F1B	1500	0	0
300	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F2B	952	-4643	-5943
301	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F1B	674	-3701	-4737
302	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F2B	674	-3701	-4737
303	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
304	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F1A	2169	-880	468
305	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F2A	669	-880	468
306	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F3A	669	-241	968
307	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F4A	2169	-241	968
308	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F1A	2169	-880	468
309	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F2A	2169	-241	968
310	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F1A	1973	-863	459
311	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F2A	1973	-240	963
312	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E2F1A	473	-240	963
313	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F1B	952	-4643	-5943
314	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F2B	952	-4643	-5943
315	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F3B	952	-4643	-5943
316	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F4B	952	-4643	-5943
317	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F1B	952	-4643	-5943
318	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F2B	1500	0	0
319	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F1B	674	-3701	-4737
320	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F2B	674	-3701	-4737
321	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
322	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F1A	2169	-880	468
323	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F2A	669	-880	468
324	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F3A	669	-241	968
325	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F4A	2169	-241	968
326	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F1A	2169	-880	468
327	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F2A	2169	-241	968
328	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F1A	1973	-863	459
329	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F2A	1973	-240	963
330	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E2F1A	473	-240	963
331	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F1B	952	-4643	-5943
332	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F2B	952	-4643	-5943
333	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F3B	952	-4643	-5943
334	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F4B	952	-4643	-5943
335	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F1B	952	-4643	-5943
336	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F2B	952	-4643	-5943
337	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F1B	1500	0	0
338	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F2B	674	-3701	-4737
339	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
340	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F1A	2169	-880	468
341	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F2A	669	-880	468
342	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F3A	669	-241	968
343	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F4A	2169	-241	968
344	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F1A	2169	-880	468
345	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F2A	2169	-241	968
346	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F1A	1973	-863	459
347	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F2A	1973	-240	963
348	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E2F1A	473	-240	963
349	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F1B	952	-4643	-5943
350	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F2B	952	-4643	-5943
351	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F3B	952	-4643	-5943
352	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F4B	952	-4643	-5943
353	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F1B	952	-4643	-5943
354	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F2B	952	-4643	-5943
355	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F1B	674	-3701	-4737
356	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F2B	1500	0	0
357	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
358	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F1A	669	-880	468
359	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F2A	0	0	0
360	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F3A	669	-241	968
361	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F4A	669	-241	968
362	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F1A	669	-880	468
363	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F2A	669	-241	968
364	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F1A	473	-863	459
365	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F2A	473	-240	963
366	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E2F1A	473	-240	963
367	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F1B	952	-4643	-5943
368	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F2B	952	-4643	-5943
369	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F3B	952	-4643	-5943
370	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F4B	952	-4643	-5943
371	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F1B	952	-4643	-5943
372	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F2B	952	-4643	-5943
373	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F1B	674	-3701	-4737
374	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F2B	674	-3701	-4737
375	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
376	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F1A	669	-880	468
377	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F2A	669	-880	468
378	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F3A	0	0	0
379	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F4A	669	-241	968
380	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F1A	669	-880	468
381	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F2A	669	-241	968
382	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F1A	473	-863	459
383	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F2A	473	-240	963
384	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E2F1A	473	-240	963
385	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F1B	952	-4643	-5943
386	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F2B	952	-4643	-5943
387	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F3B	952	-4643	-5943
388	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F4B	952	-4643	-5943
389	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F1B	952	-4643	-5943
390	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F2B	952	-4643	-5943
391	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F1B	674	-3701	-4737
392	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F2B	674	-3701	-4737
393	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
394	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F1A	669	-880	468
395	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F2A	669	-880	468
396	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F3A	669	-241	968
397	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F4A	669	-241	968
398	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F1A	669	-880	468
399	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F2A	669	-241	968
400	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F1A	473	-863	459
401	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F2A	473	-240	963
402	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E2F1A	473	-240	963
403	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F1B	952	-4643	-5943
404	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F2B	0	0	0
405	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F3B	952	-4643	-5943
406	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F4B	952	-4643	-5943
407	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F1B	952	-4643	-5943
408	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F2B	952	-4643	-5943
409	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F1B	674	-3701	-4737
410	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F2B	674	-3701	-4737
411	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
412	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F1A	669	-880	468
413	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F2A	669	-880	468
414	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F3A	669	-241	968
415	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F4A	669	-241	968
416	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F1A	669	-880	468
417	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F2A	669	-241	968
418	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F1A	473	-863	459
419	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F2A	473	-240	963
420	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E2F1A	473	-240	963
421	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F1B	952	-4643	-5943
422	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F2B	952	-4643	-5943
423	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F3B	0	0	0
424	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F4B	952	-4643	-5943
425	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F1B	952	-4643	-5943
426	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F2B	952	-4643	-5943
427	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F1B	674	-3701	-4737
428	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F2B	674	-3701	-4737
429	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
430	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F1A	669	-880	468
431	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F2A	669	-880	468
432	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F3A	669	-241	968
433	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F4A	669	-241	968
434	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F1A	669	-880	468
435	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F2A	669	-241	968
436	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F1A	473	-863	459
437	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F2A	473	-240	963
438	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E2F1A	0	0	0
439	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F1B	952	-4643	-5943
440	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F2B	952	-4643	-5943
441	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F3B	952	-4643	-5943
442	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F4B	952	-4643	-5943
443	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F1B	952	-4643	-5943
444	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F2B	952	-4643	-5943
445	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F1B	674	-3701	-4737
446	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F2B	674	-3701	-4737
447	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
448	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F1A	669	-880	468
449	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F2A	669	-880	468
450	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F3A	669	-241	968
451	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F4A	669	-241	968
452	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F1A	669	-880	468
453	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F2A	669	-241	968
454	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F1A	473	-863	459
455	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F2A	473	-240	963
456	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E2F1A	473	-240	963
457	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F1B	952	-4643	-5943
458	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F2B	952	-4643	-5943
459	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F3B	952	-4643	-5943
460	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F4B	952	-4643	-5943
461	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F1B	952	-4643	-5943
462	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F2B	952	-4643	-5943
463	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F1B	674	-3701	-4737
464	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F2B	674	-3701	-4737
465	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E2F1B	0	0	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
466	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F1A	1053	-1686	882
467	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F2A	1053	-1686	882
468	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F3A	1053	-785	2936
469	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F4A	1053	-785	2936
470	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F1A	1053	-1686	882
471	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F2A	1053	-785	2936
472	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F1A	746	-1732	910
473	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F2A	746	-793	3008
474	LC22_ULS_NL6a=Cons+Main_Dir=0	E2F1A	746	-793	3008
475	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F1B	1500	-10273	-12702
476	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F2B	1500	-10273	-12702
477	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F3B	1500	-10273	-12702
478	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F4B	1500	-10273	-12702
479	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F1B	1500	-10273	-12702
480	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F2B	1500	-10273	-12702
481	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F1B	1061	-8695	-10766
482	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F2B	1061	-8695	-10766
483	LC22_ULS_NL6a=Cons+Main_Dir=0	E2F1B	746	-1732	910
484	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5S	0	-435	0
485	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5X	0	-435	0
486	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5XY	0	-435	0
487	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5Y	0	-435	0
488	LC22_ULS_NL6a=Cons+Main_Dir=0	CP	0	-497	0
489	LC22_ULS_NL6a=Cons+Main_Dir=0	CX	0	-497	0
490	LC22_ULS_NL6a=Cons+Main_Dir=0	CXY	0	-497	0
491	LC22_ULS_NL6a=Cons+Main_Dir=0	CY	0	-497	0
492	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10S	0	-394	0
493	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10X	0	-394	0
494	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10XY	0	-394	0
495	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10Y	0	-394	0
496	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1P	0	-130	0
497	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1X	0	-130	0
498	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1XY	0	-130	0
499	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1Y	0	-130	0
500	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12S	0	-224	0
501	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12X	0	-224	0
502	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12XY	0	-224	0
503	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12Y	0	-224	0
504	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1P	0	-132	0
505	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1X	0	-132	0
506	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1XY	0	-132	0
507	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1Y	0	-132	0
508	LC22_ULS_NL6a=Cons+Main_Dir=0	DP	0	-170	0
509	LC22_ULS_NL6a=Cons+Main_Dir=0	DX	0	-170	0
510	LC22_ULS_NL6a=Cons+Main_Dir=0	DXY	0	-170	0
511	LC22_ULS_NL6a=Cons+Main_Dir=0	DY	0	-170	0
512	LC22_ULS_NL6a=Cons+Main_Dir=0	TopP	0	-107	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
513	LC23_ULS_NL6b=Linesmen_Dir=0	C1F1A	2853	-1686	882
514	LC23_ULS_NL6b=Linesmen_Dir=0	C1F2A	2853	-1686	882
515	LC23_ULS_NL6b=Linesmen_Dir=0	C1F3A	2853	-785	2936
516	LC23_ULS_NL6b=Linesmen_Dir=0	C1F4A	2853	-785	2936
517	LC23_ULS_NL6b=Linesmen_Dir=0	C2F1A	2853	-1686	882
518	LC23_ULS_NL6b=Linesmen_Dir=0	C2F2A	2853	-785	2936
519	LC23_ULS_NL6b=Linesmen_Dir=0	E1F1A	2546	-1732	910
520	LC23_ULS_NL6b=Linesmen_Dir=0	E1F2A	2546	-793	3008
521	LC23_ULS_NL6b=Linesmen_Dir=0	E2F1A	2546	-793	3008
522	LC23_ULS_NL6b=Linesmen_Dir=0	C1F1B	1500	-10273	-12702
523	LC23_ULS_NL6b=Linesmen_Dir=0	C1F2B	1500	-10273	-12702
524	LC23_ULS_NL6b=Linesmen_Dir=0	C1F3B	1500	-10273	-12702
525	LC23_ULS_NL6b=Linesmen_Dir=0	C1F4B	1500	-10273	-12702
526	LC23_ULS_NL6b=Linesmen_Dir=0	C2F1B	1500	-10273	-12702
527	LC23_ULS_NL6b=Linesmen_Dir=0	C2F2B	1500	-10273	-12702
528	LC23_ULS_NL6b=Linesmen_Dir=0	E1F1B	1061	-8695	-10766
529	LC23_ULS_NL6b=Linesmen_Dir=0	E1F2B	1061	-8695	-10766
530	LC23_ULS_NL6b=Linesmen_Dir=0	E2F1B	746	-1732	910
531	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5S	0	-435	0
532	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5X	0	-435	0
533	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5XY	0	-435	0
534	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5Y	0	-435	0
535	LC23_ULS_NL6b=Linesmen_Dir=0	CP	0	-497	0
536	LC23_ULS_NL6b=Linesmen_Dir=0	CX	0	-497	0
537	LC23_ULS_NL6b=Linesmen_Dir=0	CXY	0	-497	0
538	LC23_ULS_NL6b=Linesmen_Dir=0	CY	0	-497	0
539	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10S	0	-394	0
540	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10X	0	-394	0
541	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10XY	0	-394	0
542	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10Y	0	-394	0
543	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1P	0	-130	0
544	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1X	0	-130	0
545	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1XY	0	-130	0
546	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1Y	0	-130	0
547	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12S	0	-224	0
548	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12X	0	-224	0
549	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12XY	0	-224	0
550	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12Y	0	-224	0
551	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1P	0	-132	0
552	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1X	0	-132	0
553	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1XY	0	-132	0
554	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1Y	0	-132	0
555	LC23_ULS_NL6b=Linesmen_Dir=0	DP	0	-170	0
556	LC23_ULS_NL6b=Linesmen_Dir=0	DX	0	-170	0
557	LC23_ULS_NL6b=Linesmen_Dir=0	DXY	0	-170	0
558	LC23_ULS_NL6b=Linesmen_Dir=0	DY	0	-170	0
559	LC23_ULS_NL6b=Linesmen_Dir=0	TopP	0	-107	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
560	LC24_ULS_NL7=Perm_Dir=NA	C1F1A	769	-1012	538
561	LC24_ULS_NL7=Perm_Dir=NA	C1F2A	769	-1012	538
562	LC24_ULS_NL7=Perm_Dir=NA	C1F3A	769	-278	1113
563	LC24_ULS_NL7=Perm_Dir=NA	C1F4A	769	-278	1113
564	LC24_ULS_NL7=Perm_Dir=NA	C2F1A	769	-1012	538
565	LC24_ULS_NL7=Perm_Dir=NA	C2F2A	769	-278	1113
566	LC24_ULS_NL7=Perm_Dir=NA	E1F1A	544	-993	528
567	LC24_ULS_NL7=Perm_Dir=NA	E1F2A	544	-276	1108
568	LC24_ULS_NL7=Perm_Dir=NA	E2F1A	544	-276	1108
569	LC24_ULS_NL7=Perm_Dir=NA	C1F1B	1095	-5339	-6834
570	LC24_ULS_NL7=Perm_Dir=NA	C1F2B	1095	-5339	-6834
571	LC24_ULS_NL7=Perm_Dir=NA	C1F3B	1095	-5339	-6834
572	LC24_ULS_NL7=Perm_Dir=NA	C1F4B	1095	-5339	-6834
573	LC24_ULS_NL7=Perm_Dir=NA	C2F1B	1095	-5339	-6834
574	LC24_ULS_NL7=Perm_Dir=NA	C2F2B	1095	-5339	-6834
575	LC24_ULS_NL7=Perm_Dir=NA	E1F1B	775	-4256	-5448
576	LC24_ULS_NL7=Perm_Dir=NA	E1F2B	775	-4256	-5448
577	LC24_ULS_NL7=Perm_Dir=NA	E2F1B	544	-993	528

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
920	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F1A	0	0	0
921	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F2A	0	0	0
922	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F3A	702	-769	2356
923	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F4A	702	-769	2356
924	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F1A	0	0	0
925	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F2A	702	-769	2356
926	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F1A	0	0	0
927	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F2A	497	-740	2378
928	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E2F1A	497	-740	2378
929	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F1B	1000	-9008	-10012
930	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F2B	1000	-9008	-10012
931	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F3B	1000	-9008	-10012
932	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F4B	1000	-9008	-10012
933	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F1B	1000	-9008	-10012
934	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F2B	1000	-9008	-10012
935	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F1B	707	-7596	-8492
936	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F2B	707	-7596	-8492
937	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E2F1B	0	0	0
938	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5S	0	-1476	0
939	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5X	0	-1476	0
940	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5XY	0	-1476	0
941	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5Y	0	-1476	0
942	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CP	0	-1686	0
943	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CX	0	-1686	0
944	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CXY	0	-1686	0
945	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CY	0	-1686	0
946	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10S	0	-1335	0
947	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10X	0	-1335	0
948	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10XY	0	-1335	0
949	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10Y	0	-1335	0
950	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1P	0	-441	0
951	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1X	0	-441	0
952	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1XY	0	-441	0
953	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1Y	0	-441	0
954	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12S	0	-759	0
955	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12X	0	-759	0
956	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12XY	0	-759	0
957	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12Y	0	-759	0
958	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1P	0	-449	0
959	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1X	0	-449	0
960	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1XY	0	-449	0
961	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1Y	0	-449	0
962	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DP	0	-576	0
963	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DX	0	-576	0
964	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DXY	0	-576	0
965	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DY	0	-576	0
966	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
967	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F1A	0	0	0
968	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F2A	0	0	0
969	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F3A	984	-1483	5228
970	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F4A	984	-1483	5228
971	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F1A	0	0	0
972	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F2A	984	-1483	5228
973	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F1A	0	0	0
974	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F2A	754	-1602	5759
975	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E2F1A	754	-1602	5759
976	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F1B	1400	-16835	-20045
977	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F2B	1400	-16835	-20045
978	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F3B	1400	-16835	-20045
979	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F4B	1400	-16835	-20045
980	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F1B	1400	-16835	-20045
981	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F2B	1400	-16835	-20045
982	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F1B	1073	-15639	-18626
983	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F2B	1073	-15639	-18626
984	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E2F1B	0	0	0
985	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5S	0	-681	0
986	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5X	0	-681	0
987	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5XY	0	-681	0
988	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5Y	0	-681	0
989	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CP	0	-778	0
990	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CX	0	-778	0
991	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CXY	0	-778	0
992	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CY	0	-778	0
993	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10S	0	-616	0
994	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10X	0	-616	0
995	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10XY	0	-616	0
996	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10Y	0	-616	0
997	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1P	0	-204	0
998	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1X	0	-204	0
999	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1XY	0	-204	0
1000	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1Y	0	-204	0
1001	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12S	0	-350	0
1002	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12X	0	-350	0
1003	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12XY	0	-350	0
1004	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12Y	0	-350	0
1005	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1P	0	-207	0
1006	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1X	0	-207	0
1007	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1XY	0	-207	0
1008	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1Y	0	-207	0
1009	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DP	0	-266	0
1010	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DX	0	-266	0
1011	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DXY	0	-266	0
1012	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DY	0	-266	0
1013	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1014	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F1A	0	0	0
1015	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F2A	0	0	0
1016	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F3A	702	-350	1180
1017	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F4A	702	-350	1180
1018	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F1A	0	0	0
1019	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F2A	702	-350	1180
1020	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F1A	0	0	0
1021	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F2A	497	-431	1546
1022	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E2F1A	497	-431	1546
1023	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F1B	1000	-9212	-11325
1024	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F2B	1000	-9212	-11325
1025	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F3B	1000	-9212	-11325
1026	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F4B	1000	-9212	-11325
1027	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F1B	1000	-9212	-11325
1028	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F2B	1000	-9212	-11325
1029	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F1B	707	-7841	-9657
1030	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F2B	707	-7841	-9657
1031	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E2F1B	0	0	0
1032	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5S	0	-454	0
1033	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5X	0	-454	0
1034	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5XY	0	-454	0
1035	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5Y	0	-454	0
1036	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CP	0	-519	0
1037	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CX	0	-519	0
1038	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CXY	0	-519	0
1039	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CY	0	-519	0
1040	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10S	0	-411	0
1041	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10X	0	-411	0
1042	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10XY	0	-411	0
1043	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10Y	0	-411	0
1044	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1P	0	-136	0
1045	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1X	0	-136	0
1046	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1XY	0	-136	0
1047	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1Y	0	-136	0
1048	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12S	0	-234	0
1049	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12X	0	-234	0
1050	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12XY	0	-234	0
1051	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12Y	0	-234	0
1052	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1P	0	-138	0
1053	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1X	0	-138	0
1054	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1XY	0	-138	0
1055	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1Y	0	-138	0
1056	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DP	0	-177	0
1057	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DX	0	-177	0
1058	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DXY	0	-177	0
1059	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DY	0	-177	0
1060	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1061	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F1A	0	0	0
1062	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F2A	0	0	0
1063	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F3A	1053	-788	2935
1064	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F4A	1053	-788	2935
1065	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F1A	0	0	0
1066	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F2A	1053	-788	2935
1067	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F1A	0	0	0
1068	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F2A	746	-795	3007
1069	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E2F1A	746	-795	3007
1070	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F1B	1500	-10283	-12694
1071	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F2B	1500	-10283	-12694
1072	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F3B	1500	-10283	-12694
1073	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F4B	1500	-10283	-12694
1074	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F1B	1500	-10283	-12694
1075	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F2B	1500	-10283	-12694
1076	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F1B	1061	-8702	-10760
1077	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F2B	1061	-8702	-10760
1078	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E2F1B	0	0	0
1079	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5S	0	-454	0
1080	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5X	0	-454	0
1081	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5XY	0	-454	0
1082	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5Y	0	-454	0
1083	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CP	0	-519	0
1084	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CX	0	-519	0
1085	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CXY	0	-519	0
1086	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CY	0	-519	0
1087	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10S	0	-411	0
1088	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10X	0	-411	0
1089	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10XY	0	-411	0
1090	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10Y	0	-411	0
1091	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1P	0	-136	0
1092	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1X	0	-136	0
1093	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1XY	0	-136	0
1094	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1Y	0	-136	0
1095	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12S	0	-234	0
1096	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12X	0	-234	0
1097	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12XY	0	-234	0
1098	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12Y	0	-234	0
1099	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1P	0	-138	0
1100	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1X	0	-138	0
1101	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1XY	0	-138	0
1102	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1Y	0	-138	0
1103	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DP	0	-177	0
1104	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DX	0	-177	0
1105	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DXY	0	-177	0
1106	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DY	0	-177	0
1107	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1108	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F1A	1800	0	0
1109	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F2A	1800	0	0
1110	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F3A	2853	-788	2935
1111	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F4A	2853	-788	2935
1112	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F1A	1800	0	0
1113	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F2A	2853	-788	2935
1114	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F1A	1800	0	0
1115	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F2A	2546	-795	3007
1116	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E2F1A	2546	-795	3007
1117	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F1B	1500	-10283	-12694
1118	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F2B	1500	-10283	-12694
1119	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F3B	1500	-10283	-12694
1120	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F4B	1500	-10283	-12694
1121	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F1B	1500	-10283	-12694
1122	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F2B	1500	-10283	-12694
1123	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F1B	1061	-8702	-10760
1124	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F2B	1061	-8702	-10760
1125	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E2F1B	0	0	0
1126	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5S	0	-454	0
1127	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5X	0	-454	0
1128	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5XY	0	-454	0
1129	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5Y	0	-454	0
1130	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CP	0	-519	0
1131	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CX	0	-519	0
1132	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CXY	0	-519	0
1133	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CY	0	-519	0
1134	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10S	0	-411	0
1135	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10X	0	-411	0
1136	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10XY	0	-411	0
1137	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10Y	0	-411	0
1138	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1P	0	-136	0
1139	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1X	0	-136	0
1140	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1XY	0	-136	0
1141	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1Y	0	-136	0
1142	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12S	0	-234	0
1143	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12X	0	-234	0
1144	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12XY	0	-234	0
1145	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12Y	0	-234	0
1146	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1P	0	-138	0
1147	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1X	0	-138	0
1148	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1XY	0	-138	0
1149	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1Y	0	-138	0
1150	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DP	0	-177	0
1151	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DX	0	-177	0
1152	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DXY	0	-177	0
1153	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DY	0	-177	0
1154	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1155	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F1A	702	-1377	686
1156	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F2A	702	-1377	686
1157	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F3A	0	0	0
1158	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F4A	0	0	0
1159	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F1A	702	-1377	686
1160	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F2A	0	0	0
1161	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F1A	497	-1394	703
1162	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F2A	0	0	0
1163	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E2F1A	0	0	0
1164	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F1B	1000	-9008	-10012
1165	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F2B	1000	-9008	-10012
1166	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F3B	1000	-9008	-10012
1167	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F4B	1000	-9008	-10012
1168	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F1B	1000	-9008	-10012
1169	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F2B	1000	-9008	-10012
1170	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F1B	707	-7596	-8492
1171	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F2B	707	-7596	-8492
1172	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E2F1B	497	-1394	703
1173	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5S	0	-1476	0
1174	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5X	0	-1476	0
1175	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5XY	0	-1476	0
1176	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5Y	0	-1476	0
1177	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CP	0	-1686	0
1178	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CX	0	-1686	0
1179	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CXY	0	-1686	0
1180	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CY	0	-1686	0
1181	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10S	0	-1335	0
1182	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10X	0	-1335	0
1183	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10XY	0	-1335	0
1184	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10Y	0	-1335	0
1185	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1P	0	-441	0
1186	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1X	0	-441	0
1187	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1XY	0	-441	0
1188	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1Y	0	-441	0
1189	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12S	0	-759	0
1190	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12X	0	-759	0
1191	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12XY	0	-759	0
1192	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12Y	0	-759	0
1193	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1P	0	-449	0
1194	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1X	0	-449	0
1195	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1XY	0	-449	0
1196	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1Y	0	-449	0
1197	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DP	0	-576	0
1198	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DX	0	-576	0
1199	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DXY	0	-576	0
1200	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DY	0	-576	0
1201	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1202	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F1A	984	-3145	1626
1203	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F2A	984	-3145	1626
1204	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F3A	0	0	0
1205	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F4A	0	0	0
1206	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F1A	984	-3145	1626
1207	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F2A	0	0	0
1208	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F1A	754	-3619	1881
1209	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F2A	0	0	0
1210	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E2F1A	0	0	0
1211	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F1B	1400	-16835	-20045
1212	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F2B	1400	-16835	-20045
1213	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F3B	1400	-16835	-20045
1214	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F4B	1400	-16835	-20045
1215	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F1B	1400	-16835	-20045
1216	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F2B	1400	-16835	-20045
1217	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F1B	1073	-15639	-18626
1218	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F2B	1073	-15639	-18626
1219	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E2F1B	754	-3619	1881
1220	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5S	0	-681	0
1221	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5X	0	-681	0
1222	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5XY	0	-681	0
1223	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5Y	0	-681	0
1224	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CP	0	-778	0
1225	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CX	0	-778	0
1226	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CXY	0	-778	0
1227	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CY	0	-778	0
1228	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10S	0	-616	0
1229	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10X	0	-616	0
1230	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10XY	0	-616	0
1231	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10Y	0	-616	0
1232	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1P	0	-204	0
1233	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1X	0	-204	0
1234	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1XY	0	-204	0
1235	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1Y	0	-204	0
1236	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12S	0	-350	0
1237	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12X	0	-350	0
1238	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12XY	0	-350	0
1239	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12Y	0	-350	0
1240	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1P	0	-207	0
1241	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1X	0	-207	0
1242	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1XY	0	-207	0
1243	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1Y	0	-207	0
1244	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DP	0	-266	0
1245	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DX	0	-266	0
1246	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DXY	0	-266	0
1247	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DY	0	-266	0
1248	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1249	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F1A	702	-1033	535
1250	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F2A	702	-1033	535
1251	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F3A	0	0	0
1252	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F4A	0	0	0
1253	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F1A	702	-1033	535
1254	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F2A	0	0	0
1255	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F1A	497	-1230	642
1256	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F2A	0	0	0
1257	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E2F1A	0	0	0
1258	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F1B	1000	-9212	-11325
1259	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F2B	1000	-9212	-11325
1260	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F3B	1000	-9212	-11325
1261	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F4B	1000	-9212	-11325
1262	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F1B	1000	-9212	-11325
1263	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F2B	1000	-9212	-11325
1264	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F1B	707	-7841	-9657
1265	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F2B	707	-7841	-9657
1266	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E2F1B	497	-1230	642
1267	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5S	0	-454	0
1268	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5X	0	-454	0
1269	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5XY	0	-454	0
1270	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5Y	0	-454	0
1271	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CP	0	-519	0
1272	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CX	0	-519	0
1273	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CXY	0	-519	0
1274	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CY	0	-519	0
1275	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10S	0	-411	0
1276	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10X	0	-411	0
1277	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10XY	0	-411	0
1278	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10Y	0	-411	0
1279	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1P	0	-136	0
1280	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1X	0	-136	0
1281	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1XY	0	-136	0
1282	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1Y	0	-136	0
1283	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12S	0	-234	0
1284	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12X	0	-234	0
1285	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12XY	0	-234	0
1286	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12Y	0	-234	0
1287	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1P	0	-138	0
1288	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1X	0	-138	0
1289	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1XY	0	-138	0
1290	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1Y	0	-138	0
1291	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DP	0	-177	0
1292	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DX	0	-177	0
1293	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DXY	0	-177	0
1294	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DY	0	-177	0
1295	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1296	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F1A	1053	-1686	882
1297	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F2A	1053	-1686	882
1298	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F3A	0	0	0
1299	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F4A	0	0	0
1300	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F1A	1053	-1686	882
1301	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F2A	0	0	0
1302	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F1A	746	-1732	909
1303	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F2A	0	0	0
1304	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E2F1A	0	0	0
1305	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F1B	1500	-10283	-12694
1306	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F2B	1500	-10283	-12694
1307	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F3B	1500	-10283	-12694
1308	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F4B	1500	-10283	-12694
1309	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F1B	1500	-10283	-12694
1310	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F2B	1500	-10283	-12694
1311	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F1B	1061	-8702	-10760
1312	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F2B	1061	-8702	-10760
1313	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E2F1B	746	-1732	909
1314	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5S	0	-454	0
1315	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5X	0	-454	0
1316	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5XY	0	-454	0
1317	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5Y	0	-454	0
1318	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CP	0	-519	0
1319	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CX	0	-519	0
1320	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CXY	0	-519	0
1321	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CY	0	-519	0
1322	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10S	0	-411	0
1323	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10X	0	-411	0
1324	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10XY	0	-411	0
1325	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10Y	0	-411	0
1326	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1P	0	-136	0
1327	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1X	0	-136	0
1328	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1XY	0	-136	0
1329	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1Y	0	-136	0
1330	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12S	0	-234	0
1331	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12X	0	-234	0
1332	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12XY	0	-234	0
1333	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12Y	0	-234	0
1334	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1P	0	-138	0
1335	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1X	0	-138	0
1336	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1XY	0	-138	0
1337	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1Y	0	-138	0
1338	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DP	0	-177	0
1339	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DX	0	-177	0
1340	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DXY	0	-177	0
1341	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DY	0	-177	0
1342	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1343	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F1A	2853	-1686	882
1344	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F2A	2853	-1686	882
1345	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F3A	1800	0	0
1346	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F4A	1800	0	0
1347	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F1A	2853	-1686	882
1348	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F2A	1800	0	0
1349	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F1A	2546	-1732	909
1350	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F2A	1800	0	0
1351	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E2F1A	1800	0	0
1352	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F1B	1500	-10283	-12694
1353	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F2B	1500	-10283	-12694
1354	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F3B	1500	-10283	-12694
1355	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F4B	1500	-10283	-12694
1356	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F1B	1500	-10283	-12694
1357	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F2B	1500	-10283	-12694
1358	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F1B	1061	-8702	-10760
1359	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F2B	1061	-8702	-10760
1360	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E2F1B	746	-1732	909
1361	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5S	0	-454	0
1362	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5X	0	-454	0
1363	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5XY	0	-454	0
1364	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5Y	0	-454	0
1365	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CP	0	-519	0
1366	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CX	0	-519	0
1367	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CXY	0	-519	0
1368	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CY	0	-519	0
1369	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10S	0	-411	0
1370	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10X	0	-411	0
1371	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10XY	0	-411	0
1372	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10Y	0	-411	0
1373	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1P	0	-136	0
1374	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1X	0	-136	0
1375	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1XY	0	-136	0
1376	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1Y	0	-136	0
1377	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12S	0	-234	0
1378	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12X	0	-234	0
1379	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12XY	0	-234	0
1380	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12Y	0	-234	0
1381	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1P	0	-138	0
1382	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1X	0	-138	0
1383	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1XY	0	-138	0
1384	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1Y	0	-138	0
1385	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DP	0	-177	0
1386	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DX	0	-177	0
1387	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DXY	0	-177	0
1388	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DY	0	-177	0
1389	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1390	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F1A	702	-1377	686
1391	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F2A	702	-1377	686
1392	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F3A	702	-769	2356
1393	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F4A	702	-769	2356
1394	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F1A	702	-1377	686
1395	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F2A	702	-769	2356
1396	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F1A	497	-1394	703
1397	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F2A	497	-740	2378
1398	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E2F1A	497	-740	2378
1399	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F1B	0	0	0
1400	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F2B	0	0	0
1401	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F3B	1000	-9008	-10012
1402	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F4B	1000	-9008	-10012
1403	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F1B	0	0	0
1404	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F2B	1000	-9008	-10012
1405	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F1B	0	0	0
1406	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F2B	707	-7596	-8492
1407	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E2F1B	497	-1394	703
1408	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5S	0	-1476	0
1409	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5X	0	-1476	0
1410	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5XY	0	-1476	0
1411	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5Y	0	-1476	0
1412	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CP	0	-1686	0
1413	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CX	0	-1686	0
1414	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CXY	0	-1686	0
1415	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CY	0	-1686	0
1416	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10S	0	-1335	0
1417	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10X	0	-1335	0
1418	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10XY	0	-1335	0
1419	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10Y	0	-1335	0
1420	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1P	0	-441	0
1421	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1X	0	-441	0
1422	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1XY	0	-441	0
1423	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1Y	0	-441	0
1424	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12S	0	-759	0
1425	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12X	0	-759	0
1426	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12XY	0	-759	0
1427	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12Y	0	-759	0
1428	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1P	0	-449	0
1429	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1X	0	-449	0
1430	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1XY	0	-449	0
1431	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1Y	0	-449	0
1432	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DP	0	-576	0
1433	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DX	0	-576	0
1434	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DXY	0	-576	0
1435	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DY	0	-576	0
1436	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1437	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F1A	984	-3145	1626
1438	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F2A	984	-3145	1626
1439	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F3A	984	-1483	5228
1440	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F4A	984	-1483	5228
1441	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F1A	984	-3145	1626
1442	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F2A	984	-1483	5228
1443	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F1A	754	-3619	1881
1444	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F2A	754	-1602	5759
1445	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E2F1A	754	-1602	5759
1446	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F1B	0	0	0
1447	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F2B	0	0	0
1448	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F3B	1400	-16835	-20045
1449	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F4B	1400	-16835	-20045
1450	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F1B	0	0	0
1451	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F2B	1400	-16835	-20045
1452	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F1B	0	0	0
1453	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F2B	1073	-15639	-18626
1454	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E2F1B	754	-3619	1881
1455	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5S	0	-681	0
1456	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5X	0	-681	0
1457	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5XY	0	-681	0
1458	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5Y	0	-681	0
1459	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CP	0	-778	0
1460	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CX	0	-778	0
1461	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CXY	0	-778	0
1462	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CY	0	-778	0
1463	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10S	0	-616	0
1464	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10X	0	-616	0
1465	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10XY	0	-616	0
1466	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10Y	0	-616	0
1467	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1P	0	-204	0
1468	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1X	0	-204	0
1469	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1XY	0	-204	0
1470	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1Y	0	-204	0
1471	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12S	0	-350	0
1472	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12X	0	-350	0
1473	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12XY	0	-350	0
1474	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12Y	0	-350	0
1475	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1P	0	-207	0
1476	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1X	0	-207	0
1477	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1XY	0	-207	0
1478	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1Y	0	-207	0
1479	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DP	0	-266	0
1480	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DX	0	-266	0
1481	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DXY	0	-266	0
1482	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DY	0	-266	0
1483	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1484	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F1A	702	-1033	535
1485	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F2A	702	-1033	535
1486	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F3A	702	-350	1180
1487	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F4A	702	-350	1180
1488	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F1A	702	-1033	535
1489	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F2A	702	-350	1180
1490	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F1A	497	-1230	642
1491	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F2A	497	-431	1546
1492	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E2F1A	497	-431	1546
1493	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F1B	0	0	0
1494	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F2B	0	0	0
1495	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F3B	1000	-9212	-11325
1496	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F4B	1000	-9212	-11325
1497	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F1B	0	0	0
1498	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F2B	1000	-9212	-11325
1499	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F1B	0	0	0
1500	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F2B	707	-7841	-9657
1501	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E2F1B	497	-1230	642
1502	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5S	0	-454	0
1503	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5X	0	-454	0
1504	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5XY	0	-454	0
1505	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5Y	0	-454	0
1506	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CP	0	-519	0
1507	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CX	0	-519	0
1508	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CXY	0	-519	0
1509	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CY	0	-519	0
1510	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10S	0	-411	0
1511	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10X	0	-411	0
1512	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10XY	0	-411	0
1513	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10Y	0	-411	0
1514	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1P	0	-136	0
1515	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1X	0	-136	0
1516	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1XY	0	-136	0
1517	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1Y	0	-136	0
1518	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12S	0	-234	0
1519	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12X	0	-234	0
1520	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12XY	0	-234	0
1521	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12Y	0	-234	0
1522	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1P	0	-138	0
1523	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1X	0	-138	0
1524	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1XY	0	-138	0
1525	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1Y	0	-138	0
1526	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DP	0	-177	0
1527	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DX	0	-177	0
1528	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DXY	0	-177	0
1529	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DY	0	-177	0
1530	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1531	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F1A	1053	-1686	882
1532	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F2A	1053	-1686	882
1533	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F3A	1053	-788	2935
1534	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F4A	1053	-788	2935
1535	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F1A	1053	-1686	882
1536	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F2A	1053	-788	2935
1537	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F1A	746	-1732	909
1538	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F2A	746	-795	3007
1539	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E2F1A	746	-795	3007
1540	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F1B	0	0	0
1541	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F2B	0	0	0
1542	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F3B	1500	-10283	-12694
1543	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F4B	1500	-10283	-12694
1544	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F1B	0	0	0
1545	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F2B	1500	-10283	-12694
1546	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F1B	0	0	0
1547	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F2B	1061	-8702	-10760
1548	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E2F1B	746	-1732	909
1549	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5S	0	-454	0
1550	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5X	0	-454	0
1551	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5XY	0	-454	0
1552	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5Y	0	-454	0
1553	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CP	0	-519	0
1554	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CX	0	-519	0
1555	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CXY	0	-519	0
1556	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CY	0	-519	0
1557	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10S	0	-411	0
1558	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10X	0	-411	0
1559	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10XY	0	-411	0
1560	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10Y	0	-411	0
1561	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1P	0	-136	0
1562	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1X	0	-136	0
1563	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1XY	0	-136	0
1564	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1Y	0	-136	0
1565	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12S	0	-234	0
1566	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12X	0	-234	0
1567	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12XY	0	-234	0
1568	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12Y	0	-234	0
1569	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1P	0	-138	0
1570	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1X	0	-138	0
1571	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1XY	0	-138	0
1572	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1Y	0	-138	0
1573	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DP	0	-177	0
1574	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DX	0	-177	0
1575	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DXY	0	-177	0
1576	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DY	0	-177	0
1577	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1578	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F1A	2853	-1686	882
1579	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F2A	2853	-1686	882
1580	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F3A	2853	-788	2935
1581	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F4A	2853	-788	2935
1582	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F1A	2853	-1686	882
1583	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F2A	2853	-788	2935
1584	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F1A	2546	-1732	909
1585	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F2A	2546	-795	3007
1586	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E2F1A	2546	-795	3007
1587	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F1B	0	0	0
1588	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F2B	0	0	0
1589	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F3B	1500	-10283	-12694
1590	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F4B	1500	-10283	-12694
1591	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F1B	0	0	0
1592	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F2B	1500	-10283	-12694
1593	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F1B	0	0	0
1594	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F2B	1061	-8702	-10760
1595	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E2F1B	746	-1732	909
1596	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5S	0	-454	0
1597	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5X	0	-454	0
1598	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5XY	0	-454	0
1599	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5Y	0	-454	0
1600	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CP	0	-519	0
1601	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CX	0	-519	0
1602	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CXY	0	-519	0
1603	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CY	0	-519	0
1604	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10S	0	-411	0
1605	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10X	0	-411	0
1606	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10XY	0	-411	0
1607	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10Y	0	-411	0
1608	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1P	0	-136	0
1609	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1X	0	-136	0
1610	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1XY	0	-136	0
1611	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1Y	0	-136	0
1612	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12S	0	-234	0
1613	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12X	0	-234	0
1614	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12XY	0	-234	0
1615	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12Y	0	-234	0
1616	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1P	0	-138	0
1617	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1X	0	-138	0
1618	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1XY	0	-138	0
1619	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1Y	0	-138	0
1620	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DP	0	-177	0
1621	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DX	0	-177	0
1622	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DXY	0	-177	0
1623	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DY	0	-177	0
1624	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1625	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F1A	702	-1377	686
1626	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F2A	702	-1377	686
1627	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F3A	702	-769	2356
1628	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F4A	702	-769	2356
1629	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F1A	702	-1377	686
1630	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F2A	702	-769	2356
1631	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F1A	497	-1394	703
1632	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F2A	497	-740	2378
1633	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E2F1A	497	-740	2378
1634	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F1B	1000	-9008	-10012
1635	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F2B	1000	-9008	-10012
1636	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F3B	0	0	0
1637	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F4B	0	0	0
1638	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F1B	1000	-9008	-10012
1639	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F2B	0	0	0
1640	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F1B	707	-7596	-8492
1641	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F2B	0	0	0
1642	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E2F1B	497	-1394	703
1643	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5S	0	-1476	0
1644	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5X	0	-1476	0
1645	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5XY	0	-1476	0
1646	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5Y	0	-1476	0
1647	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CP	0	-1686	0
1648	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CX	0	-1686	0
1649	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CXY	0	-1686	0
1650	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CY	0	-1686	0
1651	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10S	0	-1335	0
1652	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10X	0	-1335	0
1653	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10XY	0	-1335	0
1654	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10Y	0	-1335	0
1655	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1P	0	-441	0
1656	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1X	0	-441	0
1657	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1XY	0	-441	0
1658	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1Y	0	-441	0
1659	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12S	0	-759	0
1660	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12X	0	-759	0
1661	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12XY	0	-759	0
1662	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12Y	0	-759	0
1663	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1P	0	-449	0
1664	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1X	0	-449	0
1665	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1XY	0	-449	0
1666	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1Y	0	-449	0
1667	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DP	0	-576	0
1668	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DX	0	-576	0
1669	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DXY	0	-576	0
1670	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DY	0	-576	0
1671	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1672	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F1A	984	-3145	1626
1673	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F2A	984	-3145	1626
1674	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F3A	984	-1483	5228
1675	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F4A	984	-1483	5228
1676	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F1A	984	-3145	1626
1677	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F2A	984	-1483	5228
1678	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F1A	754	-3619	1881
1679	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F2A	754	-1602	5759
1680	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E2F1A	754	-1602	5759
1681	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F1B	1400	-16835	-20045
1682	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F2B	1400	-16835	-20045
1683	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F3B	0	0	0
1684	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F4B	0	0	0
1685	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F1B	1400	-16835	-20045
1686	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F2B	0	0	0
1687	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F1B	1073	-15639	-18626
1688	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F2B	0	0	0
1689	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E2F1B	754	-3619	1881
1690	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5S	0	-681	0
1691	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5X	0	-681	0
1692	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5XY	0	-681	0
1693	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5Y	0	-681	0
1694	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CP	0	-778	0
1695	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CX	0	-778	0
1696	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CXY	0	-778	0
1697	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CY	0	-778	0
1698	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10S	0	-616	0
1699	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10X	0	-616	0
1700	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10XY	0	-616	0
1701	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10Y	0	-616	0
1702	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1P	0	-204	0
1703	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1X	0	-204	0
1704	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1XY	0	-204	0
1705	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1Y	0	-204	0
1706	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12S	0	-350	0
1707	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12X	0	-350	0
1708	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12XY	0	-350	0
1709	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12Y	0	-350	0
1710	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1P	0	-207	0
1711	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1X	0	-207	0
1712	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1XY	0	-207	0
1713	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1Y	0	-207	0
1714	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DP	0	-266	0
1715	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DX	0	-266	0
1716	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DXY	0	-266	0
1717	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DY	0	-266	0
1718	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1719	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F1A	702	-1033	535
1720	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F2A	702	-1033	535
1721	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F3A	702	-350	1180
1722	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F4A	702	-350	1180
1723	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F1A	702	-1033	535
1724	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F2A	702	-350	1180
1725	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F1A	497	-1230	642
1726	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F2A	497	-431	1546
1727	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E2F1A	497	-431	1546
1728	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F1B	1000	-9212	-11325
1729	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F2B	1000	-9212	-11325
1730	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F3B	0	0	0
1731	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F4B	0	0	0
1732	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F1B	1000	-9212	-11325
1733	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F2B	0	0	0
1734	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F1B	707	-7841	-9657
1735	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F2B	0	0	0
1736	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E2F1B	497	-1230	642
1737	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5S	0	-454	0
1738	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5X	0	-454	0
1739	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5XY	0	-454	0
1740	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5Y	0	-454	0
1741	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CP	0	-519	0
1742	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CX	0	-519	0
1743	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CXY	0	-519	0
1744	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CY	0	-519	0
1745	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10S	0	-411	0
1746	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10X	0	-411	0
1747	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10XY	0	-411	0
1748	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10Y	0	-411	0
1749	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1P	0	-136	0
1750	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1X	0	-136	0
1751	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1XY	0	-136	0
1752	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1Y	0	-136	0
1753	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12S	0	-234	0
1754	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12X	0	-234	0
1755	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12XY	0	-234	0
1756	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12Y	0	-234	0
1757	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1P	0	-138	0
1758	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1X	0	-138	0
1759	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1XY	0	-138	0
1760	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1Y	0	-138	0
1761	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DP	0	-177	0
1762	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DX	0	-177	0
1763	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DXY	0	-177	0
1764	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DY	0	-177	0
1765	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1766	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F1A	1053	-1686	882
1767	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F2A	1053	-1686	882
1768	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F3A	1053	-788	2935
1769	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F4A	1053	-788	2935
1770	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F1A	1053	-1686	882
1771	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F2A	1053	-788	2935
1772	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F1A	746	-1732	909
1773	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F2A	746	-795	3007
1774	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E2F1A	746	-795	3007
1775	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F1B	1500	-10283	-12694
1776	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F2B	1500	-10283	-12694
1777	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F3B	0	0	0
1778	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F4B	0	0	0
1779	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F1B	1500	-10283	-12694
1780	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F2B	0	0	0
1781	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F1B	1061	-8702	-10760
1782	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F2B	0	0	0
1783	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E2F1B	746	-1732	909
1784	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5S	0	-454	0
1785	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5X	0	-454	0
1786	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5XY	0	-454	0
1787	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5Y	0	-454	0
1788	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CP	0	-519	0
1789	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CX	0	-519	0
1790	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CXY	0	-519	0
1791	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CY	0	-519	0
1792	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10S	0	-411	0
1793	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10X	0	-411	0
1794	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10XY	0	-411	0
1795	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10Y	0	-411	0
1796	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1P	0	-136	0
1797	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1X	0	-136	0
1798	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1XY	0	-136	0
1799	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1Y	0	-136	0
1800	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12S	0	-234	0
1801	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12X	0	-234	0
1802	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12XY	0	-234	0
1803	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12Y	0	-234	0
1804	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1P	0	-138	0
1805	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1X	0	-138	0
1806	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1XY	0	-138	0
1807	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1Y	0	-138	0
1808	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DP	0	-177	0
1809	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DX	0	-177	0
1810	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DXY	0	-177	0
1811	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DY	0	-177	0
1812	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1813	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F1A	2853	-1686	882
1814	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F2A	2853	-1686	882
1815	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F3A	2853	-788	2935
1816	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F4A	2853	-788	2935
1817	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F1A	2853	-1686	882
1818	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F2A	2853	-788	2935
1819	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F1A	2546	-1732	909
1820	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F2A	2546	-795	3007
1821	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E2F1A	2546	-795	3007
1822	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F1B	1500	-10283	-12694
1823	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F2B	1500	-10283	-12694
1824	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F3B	0	0	0
1825	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F4B	0	0	0
1826	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F1B	1500	-10283	-12694
1827	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F2B	0	0	0
1828	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F1B	1061	-8702	-10760
1829	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F2B	0	0	0
1830	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E2F1B	746	-1732	909
1831	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5S	0	-454	0
1832	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5X	0	-454	0
1833	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5XY	0	-454	0
1834	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5Y	0	-454	0
1835	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CP	0	-519	0
1836	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CX	0	-519	0
1837	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CXY	0	-519	0
1838	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CY	0	-519	0
1839	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10S	0	-411	0
1840	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10X	0	-411	0
1841	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10XY	0	-411	0
1842	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10Y	0	-411	0
1843	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1P	0	-136	0
1844	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1X	0	-136	0
1845	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1XY	0	-136	0
1846	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1Y	0	-136	0
1847	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12S	0	-234	0
1848	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12X	0	-234	0
1849	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12XY	0	-234	0
1850	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12Y	0	-234	0
1851	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1P	0	-138	0
1852	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1X	0	-138	0
1853	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1XY	0	-138	0
1854	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1Y	0	-138	0
1855	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DP	0	-177	0
1856	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DX	0	-177	0
1857	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DXY	0	-177	0
1858	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DY	0	-177	0
1859	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1860	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F1A	0	0	0
1861	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F2A	0	0	0
1862	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F3A	0	0	0
1863	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F4A	0	0	0
1864	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F1A	0	0	0
1865	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F2A	0	0	0
1866	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F1A	0	0	0
1867	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F2A	0	0	0
1868	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E2F1A	0	0	0
1869	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F1B	1000	-9008	-10012
1870	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F2B	1000	-9008	-10012
1871	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F3B	1000	-9008	-10012
1872	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F4B	1000	-9008	-10012
1873	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F1B	1000	-9008	-10012
1874	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F2B	1000	-9008	-10012
1875	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F1B	707	-7596	-8492
1876	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F2B	707	-7596	-8492
1877	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E2F1B	0	0	0
1878	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5S	0	-1476	0
1879	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5X	0	-1476	0
1880	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5XY	0	-1476	0
1881	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5Y	0	-1476	0
1882	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CP	0	-1686	0
1883	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CX	0	-1686	0
1884	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CXY	0	-1686	0
1885	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CY	0	-1686	0
1886	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10S	0	-1335	0
1887	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10X	0	-1335	0
1888	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10XY	0	-1335	0
1889	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10Y	0	-1335	0
1890	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1P	0	-441	0
1891	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1X	0	-441	0
1892	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1XY	0	-441	0
1893	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1Y	0	-441	0
1894	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12S	0	-759	0
1895	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12X	0	-759	0
1896	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12XY	0	-759	0
1897	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12Y	0	-759	0
1898	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1P	0	-449	0
1899	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1X	0	-449	0
1900	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1XY	0	-449	0
1901	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1Y	0	-449	0
1902	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DP	0	-576	0
1903	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DX	0	-576	0
1904	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DXY	0	-576	0
1905	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DY	0	-576	0
1906	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1907	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F1A	0	0	0
1908	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F2A	0	0	0
1909	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F3A	0	0	0
1910	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F4A	0	0	0
1911	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F1A	0	0	0
1912	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F2A	0	0	0
1913	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F1A	0	0	0
1914	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F2A	0	0	0
1915	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E2F1A	0	0	0
1916	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F1B	1400	-16835	-20045
1917	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F2B	1400	-16835	-20045
1918	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F3B	1400	-16835	-20045
1919	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F4B	1400	-16835	-20045
1920	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F1B	1400	-16835	-20045
1921	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F2B	1400	-16835	-20045
1922	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F1B	1073	-15639	-18626
1923	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F2B	1073	-15639	-18626
1924	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E2F1B	0	0	0
1925	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5S	0	-681	0
1926	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5X	0	-681	0
1927	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5XY	0	-681	0
1928	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5Y	0	-681	0
1929	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CP	0	-778	0
1930	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CX	0	-778	0
1931	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CXY	0	-778	0
1932	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CY	0	-778	0
1933	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10S	0	-616	0
1934	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10X	0	-616	0
1935	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10XY	0	-616	0
1936	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10Y	0	-616	0
1937	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1P	0	-204	0
1938	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1X	0	-204	0
1939	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1XY	0	-204	0
1940	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1Y	0	-204	0
1941	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12S	0	-350	0
1942	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12X	0	-350	0
1943	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12XY	0	-350	0
1944	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12Y	0	-350	0
1945	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1P	0	-207	0
1946	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1X	0	-207	0
1947	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1XY	0	-207	0
1948	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1Y	0	-207	0
1949	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DP	0	-266	0
1950	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DX	0	-266	0
1951	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DXY	0	-266	0
1952	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DY	0	-266	0
1953	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1954	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F1A	0	0	0
1955	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F2A	0	0	0
1956	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F3A	0	0	0
1957	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F4A	0	0	0
1958	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F1A	0	0	0
1959	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F2A	0	0	0
1960	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F1A	0	0	0
1961	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F2A	0	0	0
1962	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E2F1A	0	0	0
1963	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F1B	1000	-9212	-11325
1964	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F2B	1000	-9212	-11325
1965	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F3B	1000	-9212	-11325
1966	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F4B	1000	-9212	-11325
1967	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F1B	1000	-9212	-11325
1968	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F2B	1000	-9212	-11325
1969	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F1B	707	-7841	-9657
1970	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F2B	707	-7841	-9657
1971	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E2F1B	0	0	0
1972	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5S	0	-454	0
1973	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5X	0	-454	0
1974	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5XY	0	-454	0
1975	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5Y	0	-454	0
1976	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CP	0	-519	0
1977	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CX	0	-519	0
1978	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CXY	0	-519	0
1979	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CY	0	-519	0
1980	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10S	0	-411	0
1981	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10X	0	-411	0
1982	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10XY	0	-411	0
1983	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10Y	0	-411	0
1984	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1P	0	-136	0
1985	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1X	0	-136	0
1986	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1XY	0	-136	0
1987	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1Y	0	-136	0
1988	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12S	0	-234	0
1989	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12X	0	-234	0
1990	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12XY	0	-234	0
1991	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12Y	0	-234	0
1992	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1P	0	-138	0
1993	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1X	0	-138	0
1994	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1XY	0	-138	0
1995	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1Y	0	-138	0
1996	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DP	0	-177	0
1997	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DX	0	-177	0
1998	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DXY	0	-177	0
1999	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DY	0	-177	0
2000	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2001	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F1A	0	0	0
2002	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F2A	0	0	0
2003	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F3A	0	0	0
2004	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F4A	0	0	0
2005	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F1A	0	0	0
2006	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F2A	0	0	0
2007	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F1A	0	0	0
2008	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F2A	0	0	0
2009	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E2F1A	0	0	0
2010	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F1B	1500	-10283	-12694
2011	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F2B	1500	-10283	-12694
2012	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F3B	1500	-10283	-12694
2013	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F4B	1500	-10283	-12694
2014	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F1B	1500	-10283	-12694
2015	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F2B	1500	-10283	-12694
2016	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F1B	1061	-8702	-10760
2017	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F2B	1061	-8702	-10760
2018	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E2F1B	0	0	0
2019	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5S	0	-454	0
2020	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5X	0	-454	0
2021	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5XY	0	-454	0
2022	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5Y	0	-454	0
2023	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CP	0	-519	0
2024	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CX	0	-519	0
2025	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CXY	0	-519	0
2026	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CY	0	-519	0
2027	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10S	0	-411	0
2028	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10X	0	-411	0
2029	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10XY	0	-411	0
2030	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10Y	0	-411	0
2031	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1P	0	-136	0
2032	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1X	0	-136	0
2033	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1XY	0	-136	0
2034	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1Y	0	-136	0
2035	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12S	0	-234	0
2036	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12X	0	-234	0
2037	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12XY	0	-234	0
2038	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12Y	0	-234	0
2039	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1P	0	-138	0
2040	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1X	0	-138	0
2041	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1XY	0	-138	0
2042	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1Y	0	-138	0
2043	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DP	0	-177	0
2044	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DX	0	-177	0
2045	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DXY	0	-177	0
2046	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DY	0	-177	0
2047	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2048	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F1A	0	0	0
2049	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F2A	0	0	0
2050	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F3A	0	0	0
2051	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F4A	0	0	0
2052	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F1A	0	0	0
2053	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F2A	0	0	0
2054	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F1A	0	0	0
2055	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F2A	0	0	0
2056	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E2F1A	0	0	0
2057	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F1B	3300	-10283	-12694
2058	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F2B	3300	-10283	-12694
2059	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F3B	3300	-10283	-12694
2060	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F4B	3300	-10283	-12694
2061	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F1B	3300	-10283	-12694
2062	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F2B	3300	-10283	-12694
2063	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F1B	2861	-8702	-10760
2064	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F2B	2861	-8702	-10760
2065	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E2F1B	1800	0	0
2066	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5S	0	-454	0
2067	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5X	0	-454	0
2068	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5XY	0	-454	0
2069	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5Y	0	-454	0
2070	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CP	0	-519	0
2071	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CX	0	-519	0
2072	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CXY	0	-519	0
2073	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CY	0	-519	0
2074	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10S	0	-411	0
2075	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10X	0	-411	0
2076	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10XY	0	-411	0
2077	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10Y	0	-411	0
2078	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1P	0	-136	0
2079	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1X	0	-136	0
2080	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1XY	0	-136	0
2081	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1Y	0	-136	0
2082	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12S	0	-234	0
2083	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12X	0	-234	0
2084	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12XY	0	-234	0
2085	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12Y	0	-234	0
2086	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1P	0	-138	0
2087	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1X	0	-138	0
2088	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1XY	0	-138	0
2089	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1Y	0	-138	0
2090	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DP	0	-177	0
2091	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DX	0	-177	0
2092	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DXY	0	-177	0
2093	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DY	0	-177	0
2094	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2095	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F1A	702	-1377	686
2096	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F2A	702	-1377	686
2097	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F3A	702	-769	2356
2098	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F4A	702	-769	2356
2099	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F1A	702	-1377	686
2100	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F2A	702	-769	2356
2101	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F1A	497	-1394	703
2102	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F2A	497	-740	2378
2103	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E2F1A	497	-740	2378
2104	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F1B	0	0	0
2105	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F2B	0	0	0
2106	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F3B	0	0	0
2107	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F4B	0	0	0
2108	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F1B	0	0	0
2109	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F2B	0	0	0
2110	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F1B	0	0	0
2111	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F2B	0	0	0
2112	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E2F1B	497	-1394	703
2113	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5S	0	-1476	0
2114	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5X	0	-1476	0
2115	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5XY	0	-1476	0
2116	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5Y	0	-1476	0
2117	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CP	0	-1686	0
2118	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CX	0	-1686	0
2119	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CXY	0	-1686	0
2120	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CY	0	-1686	0
2121	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10S	0	-1335	0
2122	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10X	0	-1335	0
2123	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10XY	0	-1335	0
2124	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10Y	0	-1335	0
2125	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1P	0	-441	0
2126	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1X	0	-441	0
2127	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1XY	0	-441	0
2128	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1Y	0	-441	0
2129	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12S	0	-759	0
2130	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12X	0	-759	0
2131	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12XY	0	-759	0
2132	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12Y	0	-759	0
2133	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1P	0	-449	0
2134	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1X	0	-449	0
2135	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1XY	0	-449	0
2136	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1Y	0	-449	0
2137	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DP	0	-576	0
2138	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DX	0	-576	0
2139	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DXY	0	-576	0
2140	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DY	0	-576	0
2141	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2142	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F1A	984	-3145	1626
2143	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F2A	984	-3145	1626
2144	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F3A	984	-1483	5228
2145	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F4A	984	-1483	5228
2146	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F1A	984	-3145	1626
2147	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F2A	984	-1483	5228
2148	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F1A	754	-3619	1881
2149	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F2A	754	-1602	5759
2150	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E2F1A	754	-1602	5759
2151	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F1B	0	0	0
2152	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F2B	0	0	0
2153	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F3B	0	0	0
2154	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F4B	0	0	0
2155	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F1B	0	0	0
2156	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F2B	0	0	0
2157	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F1B	0	0	0
2158	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F2B	0	0	0
2159	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E2F1B	754	-3619	1881
2160	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5S	0	-681	0
2161	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5X	0	-681	0
2162	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5XY	0	-681	0
2163	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5Y	0	-681	0
2164	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CP	0	-778	0
2165	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CX	0	-778	0
2166	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CXY	0	-778	0
2167	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CY	0	-778	0
2168	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10S	0	-616	0
2169	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10X	0	-616	0
2170	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10XY	0	-616	0
2171	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10Y	0	-616	0
2172	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1P	0	-204	0
2173	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1X	0	-204	0
2174	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1XY	0	-204	0
2175	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1Y	0	-204	0
2176	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12S	0	-350	0
2177	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12X	0	-350	0
2178	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12XY	0	-350	0
2179	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12Y	0	-350	0
2180	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1P	0	-207	0
2181	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1X	0	-207	0
2182	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1XY	0	-207	0
2183	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1Y	0	-207	0
2184	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DP	0	-266	0
2185	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DX	0	-266	0
2186	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DXY	0	-266	0
2187	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DY	0	-266	0
2188	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2189	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F1A	702	-1033	535
2190	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F2A	702	-1033	535
2191	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F3A	702	-350	1180
2192	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F4A	702	-350	1180
2193	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F1A	702	-1033	535
2194	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F2A	702	-350	1180
2195	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F1A	497	-1230	642
2196	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F2A	497	-431	1546
2197	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E2F1A	497	-431	1546
2198	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F1B	0	0	0
2199	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F2B	0	0	0
2200	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F3B	0	0	0
2201	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F4B	0	0	0
2202	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F1B	0	0	0
2203	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F2B	0	0	0
2204	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F1B	0	0	0
2205	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F2B	0	0	0
2206	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E2F1B	497	-1230	642
2207	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5S	0	-454	0
2208	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5X	0	-454	0
2209	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5XY	0	-454	0
2210	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5Y	0	-454	0
2211	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CP	0	-519	0
2212	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CX	0	-519	0
2213	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CXY	0	-519	0
2214	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CY	0	-519	0
2215	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10S	0	-411	0
2216	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10X	0	-411	0
2217	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10XY	0	-411	0
2218	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10Y	0	-411	0
2219	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1P	0	-136	0
2220	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1X	0	-136	0
2221	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1XY	0	-136	0
2222	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1Y	0	-136	0
2223	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12S	0	-234	0
2224	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12X	0	-234	0
2225	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12XY	0	-234	0
2226	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12Y	0	-234	0
2227	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1P	0	-138	0
2228	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1X	0	-138	0
2229	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1XY	0	-138	0
2230	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1Y	0	-138	0
2231	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DP	0	-177	0
2232	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DX	0	-177	0
2233	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DXY	0	-177	0
2234	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DY	0	-177	0
2235	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2236	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F1A	1053	-1686	882
2237	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F2A	1053	-1686	882
2238	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F3A	1053	-788	2935
2239	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F4A	1053	-788	2935
2240	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F1A	1053	-1686	882
2241	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F2A	1053	-788	2935
2242	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F1A	746	-1732	909
2243	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F2A	746	-795	3007
2244	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E2F1A	746	-795	3007
2245	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F1B	0	0	0
2246	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F2B	0	0	0
2247	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F3B	0	0	0
2248	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F4B	0	0	0
2249	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F1B	0	0	0
2250	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F2B	0	0	0
2251	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F1B	0	0	0
2252	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F2B	0	0	0
2253	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E2F1B	746	-1732	909
2254	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5S	0	-454	0
2255	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5X	0	-454	0
2256	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5XY	0	-454	0
2257	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5Y	0	-454	0
2258	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CP	0	-519	0
2259	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CX	0	-519	0
2260	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CXY	0	-519	0
2261	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CY	0	-519	0
2262	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10S	0	-411	0
2263	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10X	0	-411	0
2264	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10XY	0	-411	0
2265	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10Y	0	-411	0
2266	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1P	0	-136	0
2267	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1X	0	-136	0
2268	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1XY	0	-136	0
2269	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1Y	0	-136	0
2270	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12S	0	-234	0
2271	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12X	0	-234	0
2272	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12XY	0	-234	0
2273	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12Y	0	-234	0
2274	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1P	0	-138	0
2275	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1X	0	-138	0
2276	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1XY	0	-138	0
2277	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1Y	0	-138	0
2278	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DP	0	-177	0
2279	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DX	0	-177	0
2280	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DXY	0	-177	0
2281	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DY	0	-177	0
2282	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2283	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F1A	2853	-1686	882
2284	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F2A	2853	-1686	882
2285	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F3A	2853	-788	2935
2286	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F4A	2853	-788	2935
2287	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F1A	2853	-1686	882
2288	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F2A	2853	-788	2935
2289	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F1A	2546	-1732	909
2290	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F2A	2546	-795	3007
2291	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E2F1A	2546	-795	3007
2292	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F1B	0	0	0
2293	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F2B	0	0	0
2294	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F3B	0	0	0
2295	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F4B	0	0	0
2296	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F1B	0	0	0
2297	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F2B	0	0	0
2298	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F1B	0	0	0
2299	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F2B	0	0	0
2300	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E2F1B	746	-1732	909
2301	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5S	0	-454	0
2302	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5X	0	-454	0
2303	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5XY	0	-454	0
2304	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5Y	0	-454	0
2305	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CP	0	-519	0
2306	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CX	0	-519	0
2307	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CXY	0	-519	0
2308	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CY	0	-519	0
2309	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10S	0	-411	0
2310	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10X	0	-411	0
2311	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10XY	0	-411	0
2312	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10Y	0	-411	0
2313	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1P	0	-136	0
2314	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1X	0	-136	0
2315	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1XY	0	-136	0
2316	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1Y	0	-136	0
2317	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12S	0	-234	0
2318	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12X	0	-234	0
2319	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12XY	0	-234	0
2320	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12Y	0	-234	0
2321	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1P	0	-138	0
2322	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1X	0	-138	0
2323	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1XY	0	-138	0
2324	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1Y	0	-138	0
2325	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DP	0	-177	0
2326	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DX	0	-177	0
2327	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DXY	0	-177	0
2328	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DY	0	-177	0
2329	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2330	LC74_SeLS_NL1a=Wind_Dir=0	C1F1A	669	-1318	641
2331	LC74_SeLS_NL1a=Wind_Dir=0	C1F2A	669	-1318	641
2332	LC74_SeLS_NL1a=Wind_Dir=0	C1F3A	669	-788	2230
2333	LC74_SeLS_NL1a=Wind_Dir=0	C1F4A	669	-788	2230
2334	LC74_SeLS_NL1a=Wind_Dir=0	C2F1A	669	-1318	641
2335	LC74_SeLS_NL1a=Wind_Dir=0	C2F2A	669	-788	2230
2336	LC74_SeLS_NL1a=Wind_Dir=0	E1F1A	473	-1332	660
2337	LC74_SeLS_NL1a=Wind_Dir=0	E1F2A	473	-750	2253
2338	LC74_SeLS_NL1a=Wind_Dir=0	E2F1A	473	-750	2253
2339	LC74_SeLS_NL1a=Wind_Dir=0	C1F1B	952	-8822	-9346
2340	LC74_SeLS_NL1a=Wind_Dir=0	C1F2B	952	-8822	-9346
2341	LC74_SeLS_NL1a=Wind_Dir=0	C1F3B	952	-8822	-9346
2342	LC74_SeLS_NL1a=Wind_Dir=0	C1F4B	952	-8822	-9346
2343	LC74_SeLS_NL1a=Wind_Dir=0	C2F1B	952	-8822	-9346
2344	LC74_SeLS_NL1a=Wind_Dir=0	C2F2B	952	-8822	-9346
2345	LC74_SeLS_NL1a=Wind_Dir=0	E1F1B	674	-7431	-7934
2346	LC74_SeLS_NL1a=Wind_Dir=0	E1F2B	674	-7431	-7934
2347	LC74_SeLS_NL1a=Wind_Dir=0	E2F1B	473	-1332	660
2348	LC74_SeLS_NL1a=Wind_Dir=0	Sd5S	0	-1893	0
2349	LC74_SeLS_NL1a=Wind_Dir=0	Sd5X	0	-1893	0
2350	LC74_SeLS_NL1a=Wind_Dir=0	Sd5XY	0	-1893	0
2351	LC74_SeLS_NL1a=Wind_Dir=0	Sd5Y	0	-1893	0
2352	LC74_SeLS_NL1a=Wind_Dir=0	CP	0	-2162	0
2353	LC74_SeLS_NL1a=Wind_Dir=0	CX	0	-2162	0
2354	LC74_SeLS_NL1a=Wind_Dir=0	CXY	0	-2162	0
2355	LC74_SeLS_NL1a=Wind_Dir=0	CY	0	-2162	0
2356	LC74_SeLS_NL1a=Wind_Dir=0	Sd10S	0	-1711	0
2357	LC74_SeLS_NL1a=Wind_Dir=0	Sd10X	0	-1711	0
2358	LC74_SeLS_NL1a=Wind_Dir=0	Sd10XY	0	-1711	0
2359	LC74_SeLS_NL1a=Wind_Dir=0	Sd10Y	0	-1711	0
2360	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1P	0	-565	0
2361	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1X	0	-565	0
2362	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1XY	0	-565	0
2363	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1Y	0	-565	0
2364	LC74_SeLS_NL1a=Wind_Dir=0	Sd12S	0	-974	0
2365	LC74_SeLS_NL1a=Wind_Dir=0	Sd12X	0	-974	0
2366	LC74_SeLS_NL1a=Wind_Dir=0	Sd12XY	0	-974	0
2367	LC74_SeLS_NL1a=Wind_Dir=0	Sd12Y	0	-974	0
2368	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1P	0	-576	0
2369	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1X	0	-576	0
2370	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1XY	0	-576	0
2371	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1Y	0	-576	0
2372	LC74_SeLS_NL1a=Wind_Dir=0	DP	0	-739	0
2373	LC74_SeLS_NL1a=Wind_Dir=0	DX	0	-739	0
2374	LC74_SeLS_NL1a=Wind_Dir=0	DXY	0	-739	0
2375	LC74_SeLS_NL1a=Wind_Dir=0	DY	0	-739	0
2376	LC74_SeLS_NL1a=Wind_Dir=0	TopP	0	-463	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2377	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F1A	1496	-2993	1553
2378	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F2A	1496	-2993	1553
2379	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F3A	1496	-1392	4984
2380	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F4A	1496	-1392	4984
2381	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F1A	1496	-2993	1553
2382	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F2A	1496	-1392	4984
2383	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F1A	1228	-3444	1796
2384	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F2A	1228	-1507	5490
2385	LC75_SeLS_NL3=Wind+Ice_Dir=0	E2F1A	1228	-1507	5490
2386	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F1B	2130	-15946	-19158
2387	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F2B	2130	-15946	-19158
2388	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F3B	2130	-15946	-19158
2389	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F4B	2130	-15946	-19158
2390	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F1B	2130	-15946	-19158
2391	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F2B	2130	-15946	-19158
2392	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F1B	1748	-14814	-17802
2393	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F2B	1748	-14814	-17802
2394	LC75_SeLS_NL3=Wind+Ice_Dir=0	E2F1B	1228	-3444	1796
2395	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5S	0	-568	0
2396	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5X	0	-568	0
2397	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5XY	0	-568	0
2398	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5Y	0	-568	0
2399	LC75_SeLS_NL3=Wind+Ice_Dir=0	CP	0	-649	0
2400	LC75_SeLS_NL3=Wind+Ice_Dir=0	CX	0	-649	0
2401	LC75_SeLS_NL3=Wind+Ice_Dir=0	CXY	0	-649	0
2402	LC75_SeLS_NL3=Wind+Ice_Dir=0	CY	0	-649	0
2403	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10S	0	-513	0
2404	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10X	0	-513	0
2405	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10XY	0	-513	0
2406	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10Y	0	-513	0
2407	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1P	0	-170	0
2408	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1X	0	-170	0
2409	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1XY	0	-170	0
2410	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1Y	0	-170	0
2411	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12S	0	-292	0
2412	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12X	0	-292	0
2413	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12XY	0	-292	0
2414	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12Y	0	-292	0
2415	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1P	0	-173	0
2416	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1X	0	-173	0
2417	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1XY	0	-173	0
2418	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1Y	0	-173	0
2419	LC75_SeLS_NL3=Wind+Ice_Dir=0	DP	0	-222	0
2420	LC75_SeLS_NL3=Wind+Ice_Dir=0	DX	0	-222	0
2421	LC75_SeLS_NL3=Wind+Ice_Dir=0	DXY	0	-222	0
2422	LC75_SeLS_NL3=Wind+Ice_Dir=0	DY	0	-222	0
2423	LC75_SeLS_NL3=Wind+Ice_Dir=0	TopP	0	-139	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2424	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F1A	669	-983	511
2425	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F2A	669	-983	511
2426	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F3A	669	-327	1125
2427	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F4A	669	-327	1125
2428	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F1A	669	-983	511
2429	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F2A	669	-327	1125
2430	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F1A	473	-1170	613
2431	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F2A	473	-405	1474
2432	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E2F1A	473	-405	1474
2433	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F1B	952	-8747	-10806
2434	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F2B	952	-8747	-10806
2435	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F3B	952	-8747	-10806
2436	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F4B	952	-8747	-10806
2437	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F1B	952	-8747	-10806
2438	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F2B	952	-8747	-10806
2439	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F1B	674	-7445	-9214
2440	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F2B	674	-7445	-9214
2441	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E2F1B	473	-1170	613
2442	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5S	0	-379	0
2443	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5X	0	-379	0
2444	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5XY	0	-379	0
2445	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5Y	0	-379	0
2446	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CP	0	-432	0
2447	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CX	0	-432	0
2448	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CXY	0	-432	0
2449	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CY	0	-432	0
2450	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10S	0	-342	0
2451	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10X	0	-342	0
2452	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10XY	0	-342	0
2453	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10Y	0	-342	0
2454	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1P	0	-113	0
2455	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1X	0	-113	0
2456	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1XY	0	-113	0
2457	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1Y	0	-113	0
2458	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12S	0	-195	0
2459	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12X	0	-195	0
2460	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12XY	0	-195	0
2461	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12Y	0	-195	0
2462	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1P	0	-115	0
2463	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1X	0	-115	0
2464	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1XY	0	-115	0
2465	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1Y	0	-115	0
2466	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DP	0	-148	0
2467	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DX	0	-148	0
2468	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DXY	0	-148	0
2469	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DY	0	-148	0
2470	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	TopP	0	-93	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2471	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F1A	1003	-1605	841
2472	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F2A	1003	-1605	841
2473	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F3A	1003	-744	2797
2474	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F4A	1003	-744	2797
2475	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F1A	1003	-1605	841
2476	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F2A	1003	-744	2797
2477	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F1A	710	-1649	867
2478	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F2A	710	-752	2865
2479	LC77_SeLS_NL6a=Cons+Main_Dir=0	E2F1A	710	-752	2865
2480	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F1B	1428	-9766	-12111
2481	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F2B	1428	-9766	-12111
2482	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F3B	1428	-9766	-12111
2483	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F4B	1428	-9766	-12111
2484	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F1B	1428	-9766	-12111
2485	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F2B	1428	-9766	-12111
2486	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F1B	1011	-8266	-10265
2487	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F2B	1011	-8266	-10265
2488	LC77_SeLS_NL6a=Cons+Main_Dir=0	E2F1B	710	-1649	867
2489	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5S	0	-379	0
2490	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5X	0	-379	0
2491	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5XY	0	-379	0
2492	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5Y	0	-379	0
2493	LC77_SeLS_NL6a=Cons+Main_Dir=0	CP	0	-432	0
2494	LC77_SeLS_NL6a=Cons+Main_Dir=0	CX	0	-432	0
2495	LC77_SeLS_NL6a=Cons+Main_Dir=0	CXY	0	-432	0
2496	LC77_SeLS_NL6a=Cons+Main_Dir=0	CY	0	-432	0
2497	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10S	0	-342	0
2498	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10X	0	-342	0
2499	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10XY	0	-342	0
2500	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10Y	0	-342	0
2501	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1P	0	-113	0
2502	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1X	0	-113	0
2503	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1XY	0	-113	0
2504	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1Y	0	-113	0
2505	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12S	0	-195	0
2506	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12X	0	-195	0
2507	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12XY	0	-195	0
2508	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12Y	0	-195	0
2509	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1P	0	-115	0
2510	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1X	0	-115	0
2511	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1XY	0	-115	0
2512	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1Y	0	-115	0
2513	LC77_SeLS_NL6a=Cons+Main_Dir=0	DP	0	-148	0
2514	LC77_SeLS_NL6a=Cons+Main_Dir=0	DX	0	-148	0
2515	LC77_SeLS_NL6a=Cons+Main_Dir=0	DXY	0	-148	0
2516	LC77_SeLS_NL6a=Cons+Main_Dir=0	DY	0	-148	0
2517	LC77_SeLS_NL6a=Cons+Main_Dir=0	TopP	0	-93	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2518	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F1A	2503	-1605	841
2519	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F2A	2503	-1605	841
2520	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F3A	2503	-744	2797
2521	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F4A	2503	-744	2797
2522	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F1A	2503	-1605	841
2523	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F2A	2503	-744	2797
2524	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F1A	2210	-1649	867
2525	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F2A	2210	-752	2865
2526	LC78_SeLS_NL6b=Linesmen_Dir=0	E2F1A	2210	-752	2865
2527	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F1B	1428	-9766	-12111
2528	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F2B	1428	-9766	-12111
2529	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F3B	1428	-9766	-12111
2530	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F4B	1428	-9766	-12111
2531	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F1B	1428	-9766	-12111
2532	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F2B	1428	-9766	-12111
2533	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F1B	1011	-8266	-10265
2534	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F2B	1011	-8266	-10265
2535	LC78_SeLS_NL6b=Linesmen_Dir=0	E2F1B	710	-1649	867
2536	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5S	0	-379	0
2537	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5X	0	-379	0
2538	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5XY	0	-379	0
2539	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5Y	0	-379	0
2540	LC78_SeLS_NL6b=Linesmen_Dir=0	CP	0	-432	0
2541	LC78_SeLS_NL6b=Linesmen_Dir=0	CX	0	-432	0
2542	LC78_SeLS_NL6b=Linesmen_Dir=0	CXY	0	-432	0
2543	LC78_SeLS_NL6b=Linesmen_Dir=0	CY	0	-432	0
2544	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10S	0	-342	0
2545	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10X	0	-342	0
2546	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10XY	0	-342	0
2547	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10Y	0	-342	0
2548	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1P	0	-113	0
2549	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1X	0	-113	0
2550	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1XY	0	-113	0
2551	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1Y	0	-113	0
2552	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12S	0	-195	0
2553	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12X	0	-195	0
2554	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12XY	0	-195	0
2555	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12Y	0	-195	0
2556	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1P	0	-115	0
2557	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1X	0	-115	0
2558	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1XY	0	-115	0
2559	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1Y	0	-115	0
2560	LC78_SeLS_NL6b=Linesmen_Dir=0	DP	0	-148	0
2561	LC78_SeLS_NL6b=Linesmen_Dir=0	DX	0	-148	0
2562	LC78_SeLS_NL6b=Linesmen_Dir=0	DXY	0	-148	0
2563	LC78_SeLS_NL6b=Linesmen_Dir=0	DY	0	-148	0
2564	LC78_SeLS_NL6b=Linesmen_Dir=0	TopP	0	-93	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2565	LC79_SeLS_NL7=Perm_Dir=NA	C1F1A	669	-880	468
2566	LC79_SeLS_NL7=Perm_Dir=NA	C1F2A	669	-880	468
2567	LC79_SeLS_NL7=Perm_Dir=NA	C1F3A	669	-241	968
2568	LC79_SeLS_NL7=Perm_Dir=NA	C1F4A	669	-241	968
2569	LC79_SeLS_NL7=Perm_Dir=NA	C2F1A	669	-880	468
2570	LC79_SeLS_NL7=Perm_Dir=NA	C2F2A	669	-241	968
2571	LC79_SeLS_NL7=Perm_Dir=NA	E1F1A	473	-863	459
2572	LC79_SeLS_NL7=Perm_Dir=NA	E1F2A	473	-240	963
2573	LC79_SeLS_NL7=Perm_Dir=NA	E2F1A	473	-240	963
2574	LC79_SeLS_NL7=Perm_Dir=NA	C1F1B	952	-4643	-5943
2575	LC79_SeLS_NL7=Perm_Dir=NA	C1F2B	952	-4643	-5943
2576	LC79_SeLS_NL7=Perm_Dir=NA	C1F3B	952	-4643	-5943
2577	LC79_SeLS_NL7=Perm_Dir=NA	C1F4B	952	-4643	-5943
2578	LC79_SeLS_NL7=Perm_Dir=NA	C2F1B	952	-4643	-5943
2579	LC79_SeLS_NL7=Perm_Dir=NA	C2F2B	952	-4643	-5943
2580	LC79_SeLS_NL7=Perm_Dir=NA	E1F1B	674	-3701	-4737
2581	LC79_SeLS_NL7=Perm_Dir=NA	E1F2B	674	-3701	-4737
2582	LC79_SeLS_NL7=Perm_Dir=NA	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2583	LC80_ULS_NL1a=Wind_Dir=38	C1F1A	702	-972	508
2584	LC80_ULS_NL1a=Wind_Dir=38	C1F2A	702	-972	508
2585	LC80_ULS_NL1a=Wind_Dir=38	C1F3A	702	-535	1722
2586	LC80_ULS_NL1a=Wind_Dir=38	C1F4A	702	-535	1722
2587	LC80_ULS_NL1a=Wind_Dir=38	C2F1A	702	-972	508
2588	LC80_ULS_NL1a=Wind_Dir=38	C2F2A	702	-535	1722
2589	LC80_ULS_NL1a=Wind_Dir=38	E1F1A	497	-958	502
2590	LC80_ULS_NL1a=Wind_Dir=38	E1F2A	497	-523	1753
2591	LC80_ULS_NL1a=Wind_Dir=38	E2F1A	497	-523	1753
2592	LC80_ULS_NL1a=Wind_Dir=38	C1F1B	1000	-13171	-13319
2593	LC80_ULS_NL1a=Wind_Dir=38	C1F2B	1000	-13171	-13319
2594	LC80_ULS_NL1a=Wind_Dir=38	C1F3B	1000	-13171	-13319
2595	LC80_ULS_NL1a=Wind_Dir=38	C1F4B	1000	-13171	-13319
2596	LC80_ULS_NL1a=Wind_Dir=38	C2F1B	1000	-13171	-13319
2597	LC80_ULS_NL1a=Wind_Dir=38	C2F2B	1000	-13171	-13319
2598	LC80_ULS_NL1a=Wind_Dir=38	E1F1B	707	-11081	-11314
2599	LC80_ULS_NL1a=Wind_Dir=38	E1F2B	707	-11081	-11314
2600	LC80_ULS_NL1a=Wind_Dir=38	E2F1B	497	-958	502
2601	LC80_ULS_NL1a=Wind_Dir=38	Sd5S	0	-2003	1565
2602	LC80_ULS_NL1a=Wind_Dir=38	Sd5X	0	-2003	1565
2603	LC80_ULS_NL1a=Wind_Dir=38	Sd5XY	0	-2003	1565
2604	LC80_ULS_NL1a=Wind_Dir=38	Sd5Y	0	-2003	1565
2605	LC80_ULS_NL1a=Wind_Dir=38	CP	0	-2287	1787
2606	LC80_ULS_NL1a=Wind_Dir=38	CX	0	-2287	1787
2607	LC80_ULS_NL1a=Wind_Dir=38	CXY	0	-2287	1787
2608	LC80_ULS_NL1a=Wind_Dir=38	CY	0	-2287	1787
2609	LC80_ULS_NL1a=Wind_Dir=38	Sd10S	0	-1315	1027
2610	LC80_ULS_NL1a=Wind_Dir=38	Sd10X	0	-1315	1027
2611	LC80_ULS_NL1a=Wind_Dir=38	Sd10XY	0	-1315	1027
2612	LC80_ULS_NL1a=Wind_Dir=38	Sd10Y	0	-1315	1027
2613	LC80_ULS_NL1a=Wind_Dir=38	CA2.1P	0	-598	467
2614	LC80_ULS_NL1a=Wind_Dir=38	CA2.1X	0	-598	467
2615	LC80_ULS_NL1a=Wind_Dir=38	CA2.1XY	0	-598	467
2616	LC80_ULS_NL1a=Wind_Dir=38	CA2.1Y	0	-598	467
2617	LC80_ULS_NL1a=Wind_Dir=38	Sd12S	0	-764	597
2618	LC80_ULS_NL1a=Wind_Dir=38	Sd12X	0	-764	597
2619	LC80_ULS_NL1a=Wind_Dir=38	Sd12XY	0	-764	597
2620	LC80_ULS_NL1a=Wind_Dir=38	Sd12Y	0	-764	597
2621	LC80_ULS_NL1a=Wind_Dir=38	CA1.1P	0	-609	476
2622	LC80_ULS_NL1a=Wind_Dir=38	CA1.1X	0	-609	476
2623	LC80_ULS_NL1a=Wind_Dir=38	CA1.1XY	0	-609	476
2624	LC80_ULS_NL1a=Wind_Dir=38	CA1.1Y	0	-609	476
2625	LC80_ULS_NL1a=Wind_Dir=38	DP	0	-580	453
2626	LC80_ULS_NL1a=Wind_Dir=38	DX	0	-580	453
2627	LC80_ULS_NL1a=Wind_Dir=38	DXY	0	-580	453
2628	LC80_ULS_NL1a=Wind_Dir=38	DY	0	-580	453
2629	LC80_ULS_NL1a=Wind_Dir=38	TopP	0	-490	383

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2630	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F1A	1505	-2311	1223
2631	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F2A	1505	-2311	1223
2632	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F3A	1505	-1047	3924
2633	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F4A	1505	-1047	3924
2634	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F1A	1505	-2311	1223
2635	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F2A	1505	-1047	3924
2636	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F1A	1229	-2744	1453
2637	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F2A	1229	-1181	4484
2638	LC81_ULS_NL3=Wind+Ice_Dir=38	E2F1A	1229	-1181	4484
2639	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F1B	2142	-22018	-25896
2640	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F2B	2142	-22018	-25896
2641	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F3B	2142	-22018	-25896
2642	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F4B	2142	-22018	-25896
2643	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F1B	2142	-22018	-25896
2644	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F2B	2142	-22018	-25896
2645	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F1B	1750	-20928	-24671
2646	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F2B	1750	-20928	-24671
2647	LC81_ULS_NL3=Wind+Ice_Dir=38	E2F1B	1229	-2744	1453
2648	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5S	0	-603	471
2649	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5X	0	-603	471
2650	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5XY	0	-603	471
2651	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5Y	0	-603	471
2652	LC81_ULS_NL3=Wind+Ice_Dir=38	CP	0	-688	538
2653	LC81_ULS_NL3=Wind+Ice_Dir=38	CX	0	-688	538
2654	LC81_ULS_NL3=Wind+Ice_Dir=38	CXY	0	-688	538
2655	LC81_ULS_NL3=Wind+Ice_Dir=38	CY	0	-688	538
2656	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10S	0	-396	309
2657	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10X	0	-396	309
2658	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10XY	0	-396	309
2659	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10Y	0	-396	309
2660	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1P	0	-180	141
2661	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1X	0	-180	141
2662	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1XY	0	-180	141
2663	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1Y	0	-180	141
2664	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12S	0	-230	180
2665	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12X	0	-230	180
2666	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12XY	0	-230	180
2667	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12Y	0	-230	180
2668	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1P	0	-183	143
2669	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1X	0	-183	143
2670	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1XY	0	-183	143
2671	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1Y	0	-183	143
2672	LC81_ULS_NL3=Wind+Ice_Dir=38	DP	0	-175	136
2673	LC81_ULS_NL3=Wind+Ice_Dir=38	DX	0	-175	136
2674	LC81_ULS_NL3=Wind+Ice_Dir=38	DXY	0	-175	136
2675	LC81_ULS_NL3=Wind+Ice_Dir=38	DY	0	-175	136
2676	LC81_ULS_NL3=Wind+Ice_Dir=38	TopP	0	-148	115

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2677	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F1A	702	-1253	664
2678	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F2A	702	-1253	664
2679	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F3A	702	-543	2090
2680	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F4A	702	-543	2090
2681	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F1A	702	-1253	664
2682	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F2A	702	-543	2090
2683	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F1A	497	-1396	741
2684	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F2A	497	-641	2502
2685	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E2F1A	497	-641	2502
2686	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F1B	1000	-12645	-15465
2687	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F2B	1000	-12645	-15465
2688	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F3B	1000	-12645	-15465
2689	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F4B	1000	-12645	-15465
2690	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F1B	1000	-12645	-15465
2691	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F2B	1000	-12645	-15465
2692	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F1B	707	-10712	-13126
2693	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F2B	707	-10712	-13126
2694	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E2F1B	497	-1396	741
2695	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5S	0	-408	319
2696	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5X	0	-408	319
2697	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5XY	0	-408	319
2698	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5Y	0	-408	319
2699	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CP	0	-466	364
2700	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CX	0	-466	364
2701	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CXY	0	-466	364
2702	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CY	0	-466	364
2703	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10S	0	-268	209
2704	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10X	0	-268	209
2705	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10XY	0	-268	209
2706	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10Y	0	-268	209
2707	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1P	0	-122	95
2708	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1X	0	-122	95
2709	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1XY	0	-122	95
2710	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1Y	0	-122	95
2711	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12S	0	-156	122
2712	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12X	0	-156	122
2713	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12XY	0	-156	122
2714	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12Y	0	-156	122
2715	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1P	0	-124	97
2716	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1X	0	-124	97
2717	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1XY	0	-124	97
2718	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1Y	0	-124	97
2719	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DP	0	-118	92
2720	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DX	0	-118	92
2721	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DXY	0	-118	92
2722	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DY	0	-118	92
2723	LC82_ULS_NL4=MinTemp+Wind_Dir=38	TopP	0	-100	78

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2724	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F1A	1053	-1199	636
2725	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F2A	1053	-1199	636
2726	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F3A	1053	-556	2143
2727	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F4A	1053	-556	2143
2728	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F1A	1053	-1199	636
2729	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F2A	1053	-556	2143
2730	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F1A	746	-1203	638
2731	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F2A	746	-571	2221
2732	LC83_ULS_NL6a=Cons+Main_Dir=38	E2F1A	746	-571	2221
2733	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F1B	1500	-14250	-17519
2734	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F2B	1500	-14250	-17519
2735	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F3B	1500	-14250	-17519
2736	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F4B	1500	-14250	-17519
2737	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F1B	1500	-14250	-17519
2738	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F2B	1500	-14250	-17519
2739	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F1B	1061	-12048	-14837
2740	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F2B	1061	-12048	-14837
2741	LC83_ULS_NL6a=Cons+Main_Dir=38	E2F1B	746	-1203	638
2742	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5S	0	-408	319
2743	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5X	0	-408	319
2744	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5XY	0	-408	319
2745	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5Y	0	-408	319
2746	LC83_ULS_NL6a=Cons+Main_Dir=38	CP	0	-466	364
2747	LC83_ULS_NL6a=Cons+Main_Dir=38	CX	0	-466	364
2748	LC83_ULS_NL6a=Cons+Main_Dir=38	CXY	0	-466	364
2749	LC83_ULS_NL6a=Cons+Main_Dir=38	CY	0	-466	364
2750	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10S	0	-268	209
2751	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10X	0	-268	209
2752	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10XY	0	-268	209
2753	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10Y	0	-268	209
2754	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1P	0	-122	95
2755	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1X	0	-122	95
2756	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1XY	0	-122	95
2757	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1Y	0	-122	95
2758	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12S	0	-156	122
2759	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12X	0	-156	122
2760	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12XY	0	-156	122
2761	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12Y	0	-156	122
2762	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1P	0	-124	97
2763	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1X	0	-124	97
2764	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1XY	0	-124	97
2765	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1Y	0	-124	97
2766	LC83_ULS_NL6a=Cons+Main_Dir=38	DP	0	-118	92
2767	LC83_ULS_NL6a=Cons+Main_Dir=38	DX	0	-118	92
2768	LC83_ULS_NL6a=Cons+Main_Dir=38	DXY	0	-118	92
2769	LC83_ULS_NL6a=Cons+Main_Dir=38	DY	0	-118	92
2770	LC83_ULS_NL6a=Cons+Main_Dir=38	TopP	0	-100	78

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2771	LC84_ULS_NL6b=Linesmen_Dir=38	C1F1A	2853	-1199	636
2772	LC84_ULS_NL6b=Linesmen_Dir=38	C1F2A	2853	-1199	636
2773	LC84_ULS_NL6b=Linesmen_Dir=38	C1F3A	2853	-556	2143
2774	LC84_ULS_NL6b=Linesmen_Dir=38	C1F4A	2853	-556	2143
2775	LC84_ULS_NL6b=Linesmen_Dir=38	C2F1A	2853	-1199	636
2776	LC84_ULS_NL6b=Linesmen_Dir=38	C2F2A	2853	-556	2143
2777	LC84_ULS_NL6b=Linesmen_Dir=38	E1F1A	2546	-1203	638
2778	LC84_ULS_NL6b=Linesmen_Dir=38	E1F2A	2546	-571	2221
2779	LC84_ULS_NL6b=Linesmen_Dir=38	E2F1A	2546	-571	2221
2780	LC84_ULS_NL6b=Linesmen_Dir=38	C1F1B	1500	-14250	-17519
2781	LC84_ULS_NL6b=Linesmen_Dir=38	C1F2B	1500	-14250	-17519
2782	LC84_ULS_NL6b=Linesmen_Dir=38	C1F3B	1500	-14250	-17519
2783	LC84_ULS_NL6b=Linesmen_Dir=38	C1F4B	1500	-14250	-17519
2784	LC84_ULS_NL6b=Linesmen_Dir=38	C2F1B	1500	-14250	-17519
2785	LC84_ULS_NL6b=Linesmen_Dir=38	C2F2B	1500	-14250	-17519
2786	LC84_ULS_NL6b=Linesmen_Dir=38	E1F1B	1061	-12048	-14837
2787	LC84_ULS_NL6b=Linesmen_Dir=38	E1F2B	1061	-12048	-14837
2788	LC84_ULS_NL6b=Linesmen_Dir=38	E2F1B	746	-1203	638
2789	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5S	0	-408	319
2790	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5X	0	-408	319
2791	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5XY	0	-408	319
2792	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5Y	0	-408	319
2793	LC84_ULS_NL6b=Linesmen_Dir=38	CP	0	-466	364
2794	LC84_ULS_NL6b=Linesmen_Dir=38	CX	0	-466	364
2795	LC84_ULS_NL6b=Linesmen_Dir=38	CXY	0	-466	364
2796	LC84_ULS_NL6b=Linesmen_Dir=38	CY	0	-466	364
2797	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10S	0	-268	209
2798	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10X	0	-268	209
2799	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10XY	0	-268	209
2800	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10Y	0	-268	209
2801	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1P	0	-122	95
2802	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1X	0	-122	95
2803	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1XY	0	-122	95
2804	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1Y	0	-122	95
2805	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12S	0	-156	122
2806	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12X	0	-156	122
2807	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12XY	0	-156	122
2808	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12Y	0	-156	122
2809	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1P	0	-124	97
2810	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1X	0	-124	97
2811	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1XY	0	-124	97
2812	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1Y	0	-124	97
2813	LC84_ULS_NL6b=Linesmen_Dir=38	DP	0	-118	92
2814	LC84_ULS_NL6b=Linesmen_Dir=38	DX	0	-118	92
2815	LC84_ULS_NL6b=Linesmen_Dir=38	DXY	0	-118	92
2816	LC84_ULS_NL6b=Linesmen_Dir=38	DY	0	-118	92
2817	LC84_ULS_NL6b=Linesmen_Dir=38	TopP	0	-100	78

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2818	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F1A	0	0	0
2819	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F2A	0	0	0
2820	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F3A	702	-504	1730
2821	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F4A	702	-504	1730
2822	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F1A	0	0	0
2823	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F2A	702	-504	1730
2824	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F1A	0	0	0
2825	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F2A	497	-498	1759
2826	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E2F1A	497	-498	1759
2827	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F1B	1000	-12640	-13734
2828	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F2B	1000	-12640	-13734
2829	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F3B	1000	-12640	-13734
2830	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F4B	1000	-12640	-13734
2831	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F1B	1000	-12640	-13734
2832	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F2B	1000	-12640	-13734
2833	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F1B	707	-10650	-11651
2834	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F2B	707	-10650	-11651
2835	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E2F1B	0	0	0
2836	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5S	0	-1383	1080
2837	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5X	0	-1383	1080
2838	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5XY	0	-1383	1080
2839	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5Y	0	-1383	1080
2840	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CP	0	-1579	1234
2841	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CX	0	-1579	1234
2842	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CXY	0	-1579	1234
2843	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CY	0	-1579	1234
2844	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10S	0	-908	709
2845	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10X	0	-908	709
2846	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10XY	0	-908	709
2847	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10Y	0	-908	709
2848	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1P	0	-413	323
2849	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1X	0	-413	323
2850	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1XY	0	-413	323
2851	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1Y	0	-413	323
2852	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12S	0	-527	412
2853	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12X	0	-527	412
2854	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12XY	0	-527	412
2855	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12Y	0	-527	412
2856	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1P	0	-421	329
2857	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1X	0	-421	329
2858	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1XY	0	-421	329
2859	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1Y	0	-421	329
2860	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DP	0	-400	313
2861	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DX	0	-400	313
2862	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DXY	0	-400	313
2863	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DY	0	-400	313
2864	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2865	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F1A	0	0	0
2866	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F2A	0	0	0
2867	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F3A	984	-1050	3923
2868	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F4A	984	-1050	3923
2869	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F1A	0	0	0
2870	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F2A	984	-1050	3923
2871	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F1A	0	0	0
2872	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F2A	754	-1185	4483
2873	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E2F1A	754	-1185	4483
2874	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F1B	1400	-22083	-25845
2875	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F2B	1400	-22083	-25845
2876	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F3B	1400	-22083	-25845
2877	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F4B	1400	-22083	-25845
2878	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F1B	1400	-22083	-25845
2879	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F2B	1400	-22083	-25845
2880	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F1B	1073	-20989	-24624
2881	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F2B	1073	-20989	-24624
2882	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E2F1B	0	0	0
2883	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5S	0	-638	499
2884	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5X	0	-638	499
2885	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5XY	0	-638	499
2886	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5Y	0	-638	499
2887	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CP	0	-729	569
2888	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CX	0	-729	569
2889	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CXY	0	-729	569
2890	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CY	0	-729	569
2891	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10S	0	-419	327
2892	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10X	0	-419	327
2893	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10XY	0	-419	327
2894	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10Y	0	-419	327
2895	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1P	0	-191	149
2896	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1X	0	-191	149
2897	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1XY	0	-191	149
2898	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1Y	0	-191	149
2899	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12S	0	-243	190
2900	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12X	0	-243	190
2901	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12XY	0	-243	190
2902	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12Y	0	-243	190
2903	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1P	0	-194	152
2904	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1X	0	-194	152
2905	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1XY	0	-194	152
2906	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1Y	0	-194	152
2907	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DP	0	-185	144
2908	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DX	0	-185	144
2909	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DXY	0	-185	144
2910	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DY	0	-185	144
2911	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2912	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F1A	0	0	0
2913	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F2A	0	0	0
2914	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F3A	702	-543	2089
2915	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F4A	702	-543	2089
2916	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F1A	0	0	0
2917	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F2A	702	-543	2089
2918	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F1A	0	0	0
2919	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F2A	497	-642	2502
2920	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E2F1A	497	-642	2502
2921	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F1B	1000	-12660	-15453
2922	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F2B	1000	-12660	-15453
2923	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F3B	1000	-12660	-15453
2924	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F4B	1000	-12660	-15453
2925	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F1B	1000	-12660	-15453
2926	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F2B	1000	-12660	-15453
2927	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F1B	707	-10724	-13116
2928	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F2B	707	-10724	-13116
2929	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E2F1B	0	0	0
2930	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5S	0	-425	332
2931	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5X	0	-425	332
2932	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5XY	0	-425	332
2933	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5Y	0	-425	332
2934	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CP	0	-486	380
2935	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CX	0	-486	380
2936	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CXY	0	-486	380
2937	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CY	0	-486	380
2938	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10S	0	-279	218
2939	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10X	0	-279	218
2940	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10XY	0	-279	218
2941	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10Y	0	-279	218
2942	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1P	0	-127	99
2943	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1X	0	-127	99
2944	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1XY	0	-127	99
2945	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1Y	0	-127	99
2946	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12S	0	-162	127
2947	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12X	0	-162	127
2948	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12XY	0	-162	127
2949	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12Y	0	-162	127
2950	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1P	0	-129	101
2951	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1X	0	-129	101
2952	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1XY	0	-129	101
2953	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1Y	0	-129	101
2954	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DP	0	-123	96
2955	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DX	0	-123	96
2956	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DXY	0	-123	96
2957	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DY	0	-123	96
2958	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2959	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F1A	0	0	0
2960	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F2A	0	0	0
2961	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F3A	1053	-557	2143
2962	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F4A	1053	-557	2143
2963	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F1A	0	0	0
2964	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F2A	1053	-557	2143
2965	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F1A	0	0	0
2966	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F2A	746	-572	2220
2967	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E2F1A	746	-572	2220
2968	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F1B	1500	-14265	-17507
2969	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F2B	1500	-14265	-17507
2970	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F3B	1500	-14265	-17507
2971	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F4B	1500	-14265	-17507
2972	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F1B	1500	-14265	-17507
2973	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F2B	1500	-14265	-17507
2974	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F1B	1061	-12060	-14827
2975	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F2B	1061	-12060	-14827
2976	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E2F1B	0	0	0
2977	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5S	0	-425	332
2978	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5X	0	-425	332
2979	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5XY	0	-425	332
2980	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5Y	0	-425	332
2981	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CP	0	-486	380
2982	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CX	0	-486	380
2983	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CXY	0	-486	380
2984	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CY	0	-486	380
2985	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10S	0	-279	218
2986	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10X	0	-279	218
2987	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10XY	0	-279	218
2988	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10Y	0	-279	218
2989	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1P	0	-127	99
2990	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1X	0	-127	99
2991	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1XY	0	-127	99
2992	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1Y	0	-127	99
2993	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12S	0	-162	127
2994	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12X	0	-162	127
2995	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12XY	0	-162	127
2996	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12Y	0	-162	127
2997	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1P	0	-129	101
2998	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1X	0	-129	101
2999	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1XY	0	-129	101
3000	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1Y	0	-129	101
3001	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DP	0	-123	96
3002	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DX	0	-123	96
3003	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DXY	0	-123	96
3004	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DY	0	-123	96
3005	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3006	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F1A	1800	0	0
3007	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F2A	1800	0	0
3008	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F3A	2853	-557	2143
3009	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F4A	2853	-557	2143
3010	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F1A	1800	0	0
3011	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F2A	2853	-557	2143
3012	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F1A	1800	0	0
3013	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F2A	2546	-572	2220
3014	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E2F1A	2546	-572	2220
3015	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F1B	1500	-14265	-17507
3016	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F2B	1500	-14265	-17507
3017	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F3B	1500	-14265	-17507
3018	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F4B	1500	-14265	-17507
3019	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F1B	1500	-14265	-17507
3020	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F2B	1500	-14265	-17507
3021	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F1B	1061	-12060	-14827
3022	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F2B	1061	-12060	-14827
3023	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E2F1B	0	0	0
3024	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5S	0	-425	332
3025	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5X	0	-425	332
3026	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5XY	0	-425	332
3027	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5Y	0	-425	332
3028	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CP	0	-486	380
3029	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CX	0	-486	380
3030	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CXY	0	-486	380
3031	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CY	0	-486	380
3032	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10S	0	-279	218
3033	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10X	0	-279	218
3034	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10XY	0	-279	218
3035	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10Y	0	-279	218
3036	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1P	0	-127	99
3037	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1X	0	-127	99
3038	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1XY	0	-127	99
3039	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1Y	0	-127	99
3040	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12S	0	-162	127
3041	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12X	0	-162	127
3042	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12XY	0	-162	127
3043	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12Y	0	-162	127
3044	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1P	0	-129	101
3045	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1X	0	-129	101
3046	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1XY	0	-129	101
3047	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1Y	0	-129	101
3048	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DP	0	-123	96
3049	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DX	0	-123	96
3050	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DXY	0	-123	96
3051	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DY	0	-123	96
3052	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3053	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F1A	702	-971	510
3054	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F2A	702	-971	510
3055	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F3A	0	0	0
3056	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F4A	0	0	0
3057	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F1A	702	-971	510
3058	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F2A	0	0	0
3059	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F1A	497	-958	504
3060	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F2A	0	0	0
3061	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E2F1A	0	0	0
3062	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F1B	1000	-12640	-13734
3063	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F2B	1000	-12640	-13734
3064	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F3B	1000	-12640	-13734
3065	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F4B	1000	-12640	-13734
3066	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F1B	1000	-12640	-13734
3067	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F2B	1000	-12640	-13734
3068	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F1B	707	-10650	-11651
3069	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F2B	707	-10650	-11651
3070	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E2F1B	497	-958	504
3071	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5S	0	-1383	1080
3072	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5X	0	-1383	1080
3073	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5XY	0	-1383	1080
3074	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5Y	0	-1383	1080
3075	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CP	0	-1579	1234
3076	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CX	0	-1579	1234
3077	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CXY	0	-1579	1234
3078	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CY	0	-1579	1234
3079	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10S	0	-908	709
3080	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10X	0	-908	709
3081	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10XY	0	-908	709
3082	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10Y	0	-908	709
3083	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1P	0	-413	323
3084	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1X	0	-413	323
3085	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1XY	0	-413	323
3086	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1Y	0	-413	323
3087	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12S	0	-527	412
3088	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12X	0	-527	412
3089	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12XY	0	-527	412
3090	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12Y	0	-527	412
3091	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1P	0	-421	329
3092	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1X	0	-421	329
3093	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1XY	0	-421	329
3094	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1Y	0	-421	329
3095	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DP	0	-400	313
3096	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DX	0	-400	313
3097	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DXY	0	-400	313
3098	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DY	0	-400	313
3099	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3100	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F1A	984	-2311	1223
3101	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F2A	984	-2311	1223
3102	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F3A	0	0	0
3103	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F4A	0	0	0
3104	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F1A	984	-2311	1223
3105	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F2A	0	0	0
3106	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F1A	754	-2744	1453
3107	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F2A	0	0	0
3108	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E2F1A	0	0	0
3109	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F1B	1400	-22083	-25845
3110	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F2B	1400	-22083	-25845
3111	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F3B	1400	-22083	-25845
3112	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F4B	1400	-22083	-25845
3113	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F1B	1400	-22083	-25845
3114	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F2B	1400	-22083	-25845
3115	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F1B	1073	-20989	-24624
3116	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F2B	1073	-20989	-24624
3117	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E2F1B	754	-2744	1453
3118	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5S	0	-638	499
3119	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5X	0	-638	499
3120	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5XY	0	-638	499
3121	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5Y	0	-638	499
3122	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CP	0	-729	569
3123	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CX	0	-729	569
3124	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CXY	0	-729	569
3125	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CY	0	-729	569
3126	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10S	0	-419	327
3127	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10X	0	-419	327
3128	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10XY	0	-419	327
3129	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10Y	0	-419	327
3130	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1P	0	-191	149
3131	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1X	0	-191	149
3132	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1XY	0	-191	149
3133	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1Y	0	-191	149
3134	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12S	0	-243	190
3135	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12X	0	-243	190
3136	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12XY	0	-243	190
3137	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12Y	0	-243	190
3138	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1P	0	-194	152
3139	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1X	0	-194	152
3140	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1XY	0	-194	152
3141	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1Y	0	-194	152
3142	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DP	0	-185	144
3143	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DX	0	-185	144
3144	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DXY	0	-185	144
3145	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DY	0	-185	144
3146	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3147	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F1A	702	-1253	664
3148	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F2A	702	-1253	664
3149	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F3A	0	0	0
3150	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F4A	0	0	0
3151	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F1A	702	-1253	664
3152	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F2A	0	0	0
3153	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F1A	497	-1396	741
3154	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F2A	0	0	0
3155	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E2F1A	0	0	0
3156	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F1B	1000	-12660	-15453
3157	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F2B	1000	-12660	-15453
3158	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F3B	1000	-12660	-15453
3159	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F4B	1000	-12660	-15453
3160	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F1B	1000	-12660	-15453
3161	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F2B	1000	-12660	-15453
3162	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F1B	707	-10724	-13116
3163	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F2B	707	-10724	-13116
3164	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E2F1B	497	-1396	741
3165	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5S	0	-425	332
3166	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5X	0	-425	332
3167	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5XY	0	-425	332
3168	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5Y	0	-425	332
3169	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CP	0	-486	380
3170	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CX	0	-486	380
3171	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CXY	0	-486	380
3172	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CY	0	-486	380
3173	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10S	0	-279	218
3174	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10X	0	-279	218
3175	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10XY	0	-279	218
3176	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10Y	0	-279	218
3177	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1P	0	-127	99
3178	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1X	0	-127	99
3179	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1XY	0	-127	99
3180	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1Y	0	-127	99
3181	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12S	0	-162	127
3182	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12X	0	-162	127
3183	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12XY	0	-162	127
3184	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12Y	0	-162	127
3185	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1P	0	-129	101
3186	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1X	0	-129	101
3187	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1XY	0	-129	101
3188	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1Y	0	-129	101
3189	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DP	0	-123	96
3190	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DX	0	-123	96
3191	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DXY	0	-123	96
3192	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DY	0	-123	96
3193	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3194	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F1A	1053	-1199	636
3195	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F2A	1053	-1199	636
3196	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F3A	0	0	0
3197	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F4A	0	0	0
3198	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F1A	1053	-1199	636
3199	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F2A	0	0	0
3200	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F1A	746	-1203	638
3201	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F2A	0	0	0
3202	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E2F1A	0	0	0
3203	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F1B	1500	-14265	-17507
3204	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F2B	1500	-14265	-17507
3205	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F3B	1500	-14265	-17507
3206	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F4B	1500	-14265	-17507
3207	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F1B	1500	-14265	-17507
3208	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F2B	1500	-14265	-17507
3209	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F1B	1061	-12060	-14827
3210	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F2B	1061	-12060	-14827
3211	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E2F1B	746	-1203	638
3212	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5S	0	-425	332
3213	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5X	0	-425	332
3214	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5XY	0	-425	332
3215	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5Y	0	-425	332
3216	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CP	0	-486	380
3217	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CX	0	-486	380
3218	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CXY	0	-486	380
3219	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CY	0	-486	380
3220	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10S	0	-279	218
3221	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10X	0	-279	218
3222	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10XY	0	-279	218
3223	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10Y	0	-279	218
3224	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1P	0	-127	99
3225	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1X	0	-127	99
3226	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1XY	0	-127	99
3227	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1Y	0	-127	99
3228	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12S	0	-162	127
3229	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12X	0	-162	127
3230	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12XY	0	-162	127
3231	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12Y	0	-162	127
3232	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1P	0	-129	101
3233	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1X	0	-129	101
3234	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1XY	0	-129	101
3235	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1Y	0	-129	101
3236	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DP	0	-123	96
3237	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DX	0	-123	96
3238	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DXY	0	-123	96
3239	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DY	0	-123	96
3240	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3241	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F1A	2853	-1199	636
3242	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F2A	2853	-1199	636
3243	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F3A	1800	0	0
3244	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F4A	1800	0	0
3245	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F1A	2853	-1199	636
3246	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F2A	1800	0	0
3247	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F1A	2546	-1203	638
3248	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F2A	1800	0	0
3249	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E2F1A	1800	0	0
3250	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F1B	1500	-14265	-17507
3251	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F2B	1500	-14265	-17507
3252	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F3B	1500	-14265	-17507
3253	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F4B	1500	-14265	-17507
3254	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F1B	1500	-14265	-17507
3255	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F2B	1500	-14265	-17507
3256	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F1B	1061	-12060	-14827
3257	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F2B	1061	-12060	-14827
3258	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E2F1B	746	-1203	638
3259	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5S	0	-425	332
3260	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5X	0	-425	332
3261	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5XY	0	-425	332
3262	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5Y	0	-425	332
3263	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CP	0	-486	380
3264	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CX	0	-486	380
3265	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CXY	0	-486	380
3266	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CY	0	-486	380
3267	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10S	0	-279	218
3268	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10X	0	-279	218
3269	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10XY	0	-279	218
3270	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10Y	0	-279	218
3271	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1P	0	-127	99
3272	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1X	0	-127	99
3273	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1XY	0	-127	99
3274	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1Y	0	-127	99
3275	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12S	0	-162	127
3276	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12X	0	-162	127
3277	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12XY	0	-162	127
3278	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12Y	0	-162	127
3279	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1P	0	-129	101
3280	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1X	0	-129	101
3281	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1XY	0	-129	101
3282	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1Y	0	-129	101
3283	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DP	0	-123	96
3284	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DX	0	-123	96
3285	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DXY	0	-123	96
3286	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DY	0	-123	96
3287	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3288	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F1A	702	-971	510
3289	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F2A	702	-971	510
3290	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F3A	702	-504	1730
3291	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F4A	702	-504	1730
3292	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F1A	702	-971	510
3293	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F2A	702	-504	1730
3294	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F1A	497	-958	504
3295	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F2A	497	-498	1759
3296	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E2F1A	497	-498	1759
3297	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F1B	0	0	0
3298	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F2B	0	0	0
3299	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F3B	1000	-12640	-13734
3300	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F4B	1000	-12640	-13734
3301	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F1B	0	0	0
3302	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F2B	1000	-12640	-13734
3303	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F1B	0	0	0
3304	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F2B	707	-10650	-11651
3305	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E2F1B	497	-958	504
3306	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5S	0	-1383	1080
3307	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5X	0	-1383	1080
3308	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5XY	0	-1383	1080
3309	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5Y	0	-1383	1080
3310	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CP	0	-1579	1234
3311	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CX	0	-1579	1234
3312	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CXY	0	-1579	1234
3313	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CY	0	-1579	1234
3314	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10S	0	-908	709
3315	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10X	0	-908	709
3316	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10XY	0	-908	709
3317	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10Y	0	-908	709
3318	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1P	0	-413	323
3319	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1X	0	-413	323
3320	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1XY	0	-413	323
3321	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1Y	0	-413	323
3322	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12S	0	-527	412
3323	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12X	0	-527	412
3324	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12XY	0	-527	412
3325	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12Y	0	-527	412
3326	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1P	0	-421	329
3327	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1X	0	-421	329
3328	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1XY	0	-421	329
3329	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1Y	0	-421	329
3330	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DP	0	-400	313
3331	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DX	0	-400	313
3332	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DXY	0	-400	313
3333	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DY	0	-400	313
3334	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3335	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F1A	984	-2311	1223
3336	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F2A	984	-2311	1223
3337	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F3A	984	-1050	3923
3338	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F4A	984	-1050	3923
3339	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F1A	984	-2311	1223
3340	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F2A	984	-1050	3923
3341	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F1A	754	-2744	1453
3342	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F2A	754	-1185	4483
3343	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E2F1A	754	-1185	4483
3344	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F1B	0	0	0
3345	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F2B	0	0	0
3346	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F3B	1400	-22083	-25845
3347	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F4B	1400	-22083	-25845
3348	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F1B	0	0	0
3349	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F2B	1400	-22083	-25845
3350	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F1B	0	0	0
3351	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F2B	1073	-20989	-24624
3352	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E2F1B	754	-2744	1453
3353	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5S	0	-638	499
3354	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5X	0	-638	499
3355	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5XY	0	-638	499
3356	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5Y	0	-638	499
3357	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CP	0	-729	569
3358	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CX	0	-729	569
3359	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CXY	0	-729	569
3360	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CY	0	-729	569
3361	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10S	0	-419	327
3362	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10X	0	-419	327
3363	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10XY	0	-419	327
3364	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10Y	0	-419	327
3365	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1P	0	-191	149
3366	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1X	0	-191	149
3367	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1XY	0	-191	149
3368	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1Y	0	-191	149
3369	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12S	0	-243	190
3370	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12X	0	-243	190
3371	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12XY	0	-243	190
3372	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12Y	0	-243	190
3373	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1P	0	-194	152
3374	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1X	0	-194	152
3375	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1XY	0	-194	152
3376	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1Y	0	-194	152
3377	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DP	0	-185	144
3378	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DX	0	-185	144
3379	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DXY	0	-185	144
3380	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DY	0	-185	144
3381	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3382	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F1A	702	-1253	664
3383	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F2A	702	-1253	664
3384	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F3A	702	-543	2089
3385	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F4A	702	-543	2089
3386	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F1A	702	-1253	664
3387	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F2A	702	-543	2089
3388	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F1A	497	-1396	741
3389	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F2A	497	-642	2502
3390	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E2F1A	497	-642	2502
3391	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F1B	0	0	0
3392	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F2B	0	0	0
3393	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F3B	1000	-12660	-15453
3394	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F4B	1000	-12660	-15453
3395	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F1B	0	0	0
3396	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F2B	1000	-12660	-15453
3397	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F1B	0	0	0
3398	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F2B	707	-10724	-13116
3399	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E2F1B	497	-1396	741
3400	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5S	0	-425	332
3401	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5X	0	-425	332
3402	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5XY	0	-425	332
3403	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5Y	0	-425	332
3404	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CP	0	-486	380
3405	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CX	0	-486	380
3406	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CXY	0	-486	380
3407	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CY	0	-486	380
3408	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10S	0	-279	218
3409	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10X	0	-279	218
3410	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10XY	0	-279	218
3411	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10Y	0	-279	218
3412	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1P	0	-127	99
3413	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1X	0	-127	99
3414	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1XY	0	-127	99
3415	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1Y	0	-127	99
3416	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12S	0	-162	127
3417	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12X	0	-162	127
3418	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12XY	0	-162	127
3419	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12Y	0	-162	127
3420	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1P	0	-129	101
3421	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1X	0	-129	101
3422	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1XY	0	-129	101
3423	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1Y	0	-129	101
3424	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DP	0	-123	96
3425	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DX	0	-123	96
3426	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DXY	0	-123	96
3427	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DY	0	-123	96
3428	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3429	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F1A	1053	-1199	636
3430	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F2A	1053	-1199	636
3431	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F3A	1053	-557	2143
3432	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F4A	1053	-557	2143
3433	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F1A	1053	-1199	636
3434	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F2A	1053	-557	2143
3435	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F1A	746	-1203	638
3436	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F2A	746	-572	2220
3437	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E2F1A	746	-572	2220
3438	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F1B	0	0	0
3439	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F2B	0	0	0
3440	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F3B	1500	-14265	-17507
3441	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F4B	1500	-14265	-17507
3442	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F1B	0	0	0
3443	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F2B	1500	-14265	-17507
3444	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F1B	0	0	0
3445	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F2B	1061	-12060	-14827
3446	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E2F1B	746	-1203	638
3447	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5S	0	-425	332
3448	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5X	0	-425	332
3449	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5XY	0	-425	332
3450	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5Y	0	-425	332
3451	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CP	0	-486	380
3452	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CX	0	-486	380
3453	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CXY	0	-486	380
3454	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CY	0	-486	380
3455	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10S	0	-279	218
3456	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10X	0	-279	218
3457	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10XY	0	-279	218
3458	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10Y	0	-279	218
3459	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1P	0	-127	99
3460	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1X	0	-127	99
3461	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1XY	0	-127	99
3462	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1Y	0	-127	99
3463	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12S	0	-162	127
3464	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12X	0	-162	127
3465	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12XY	0	-162	127
3466	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12Y	0	-162	127
3467	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1P	0	-129	101
3468	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1X	0	-129	101
3469	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1XY	0	-129	101
3470	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1Y	0	-129	101
3471	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DP	0	-123	96
3472	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DX	0	-123	96
3473	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DXY	0	-123	96
3474	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DY	0	-123	96
3475	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3476	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F1A	2853	-1199	636
3477	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F2A	2853	-1199	636
3478	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F3A	2853	-557	2143
3479	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F4A	2853	-557	2143
3480	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F1A	2853	-1199	636
3481	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F2A	2853	-557	2143
3482	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F1A	2546	-1203	638
3483	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F2A	2546	-572	2220
3484	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E2F1A	2546	-572	2220
3485	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F1B	0	0	0
3486	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F2B	0	0	0
3487	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F3B	1500	-14265	-17507
3488	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F4B	1500	-14265	-17507
3489	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F1B	0	0	0
3490	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F2B	1500	-14265	-17507
3491	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F1B	0	0	0
3492	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F2B	1061	-12060	-14827
3493	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E2F1B	746	-1203	638
3494	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5S	0	-425	332
3495	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5X	0	-425	332
3496	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5XY	0	-425	332
3497	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5Y	0	-425	332
3498	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CP	0	-486	380
3499	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CX	0	-486	380
3500	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CXY	0	-486	380
3501	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CY	0	-486	380
3502	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10S	0	-279	218
3503	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10X	0	-279	218
3504	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10XY	0	-279	218
3505	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10Y	0	-279	218
3506	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1P	0	-127	99
3507	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1X	0	-127	99
3508	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1XY	0	-127	99
3509	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1Y	0	-127	99
3510	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12S	0	-162	127
3511	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12X	0	-162	127
3512	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12XY	0	-162	127
3513	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12Y	0	-162	127
3514	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1P	0	-129	101
3515	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1X	0	-129	101
3516	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1XY	0	-129	101
3517	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1Y	0	-129	101
3518	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DP	0	-123	96
3519	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DX	0	-123	96
3520	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DXY	0	-123	96
3521	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DY	0	-123	96
3522	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3523	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F1A	702	-971	510
3524	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F2A	702	-971	510
3525	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F3A	702	-504	1730
3526	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F4A	702	-504	1730
3527	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F1A	702	-971	510
3528	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F2A	702	-504	1730
3529	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F1A	497	-958	504
3530	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F2A	497	-498	1759
3531	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E2F1A	497	-498	1759
3532	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F1B	1000	-12640	-13734
3533	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F2B	1000	-12640	-13734
3534	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F3B	0	0	0
3535	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F4B	0	0	0
3536	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F1B	1000	-12640	-13734
3537	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F2B	0	0	0
3538	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F1B	707	-10650	-11651
3539	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F2B	0	0	0
3540	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E2F1B	497	-958	504
3541	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5S	0	-1383	1080
3542	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5X	0	-1383	1080
3543	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5XY	0	-1383	1080
3544	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5Y	0	-1383	1080
3545	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CP	0	-1579	1234
3546	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CX	0	-1579	1234
3547	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CXY	0	-1579	1234
3548	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CY	0	-1579	1234
3549	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10S	0	-908	709
3550	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10X	0	-908	709
3551	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10XY	0	-908	709
3552	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10Y	0	-908	709
3553	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1P	0	-413	323
3554	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1X	0	-413	323
3555	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1XY	0	-413	323
3556	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1Y	0	-413	323
3557	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12S	0	-527	412
3558	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12X	0	-527	412
3559	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12XY	0	-527	412
3560	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12Y	0	-527	412
3561	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1P	0	-421	329
3562	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1X	0	-421	329
3563	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1XY	0	-421	329
3564	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1Y	0	-421	329
3565	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DP	0	-400	313
3566	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DX	0	-400	313
3567	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DXY	0	-400	313
3568	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DY	0	-400	313
3569	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3570	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F1A	984	-2311	1223
3571	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F2A	984	-2311	1223
3572	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F3A	984	-1050	3923
3573	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F4A	984	-1050	3923
3574	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F1A	984	-2311	1223
3575	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F2A	984	-1050	3923
3576	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F1A	754	-2744	1453
3577	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F2A	754	-1185	4483
3578	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E2F1A	754	-1185	4483
3579	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F1B	1400	-22083	-25845
3580	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F2B	1400	-22083	-25845
3581	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F3B	0	0	0
3582	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F4B	0	0	0
3583	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F1B	1400	-22083	-25845
3584	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F2B	0	0	0
3585	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F1B	1073	-20989	-24624
3586	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F2B	0	0	0
3587	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E2F1B	754	-2744	1453
3588	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5S	0	-638	499
3589	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5X	0	-638	499
3590	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5XY	0	-638	499
3591	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5Y	0	-638	499
3592	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CP	0	-729	569
3593	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CX	0	-729	569
3594	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CXY	0	-729	569
3595	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CY	0	-729	569
3596	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10S	0	-419	327
3597	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10X	0	-419	327
3598	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10XY	0	-419	327
3599	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10Y	0	-419	327
3600	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1P	0	-191	149
3601	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1X	0	-191	149
3602	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1XY	0	-191	149
3603	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1Y	0	-191	149
3604	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12S	0	-243	190
3605	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12X	0	-243	190
3606	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12XY	0	-243	190
3607	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12Y	0	-243	190
3608	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1P	0	-194	152
3609	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1X	0	-194	152
3610	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1XY	0	-194	152
3611	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1Y	0	-194	152
3612	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DP	0	-185	144
3613	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DX	0	-185	144
3614	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DXY	0	-185	144
3615	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DY	0	-185	144
3616	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3617	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F1A	702	-1253	664
3618	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F2A	702	-1253	664
3619	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F3A	702	-543	2089
3620	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F4A	702	-543	2089
3621	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F1A	702	-1253	664
3622	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F2A	702	-543	2089
3623	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F1A	497	-1396	741
3624	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F2A	497	-642	2502
3625	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E2F1A	497	-642	2502
3626	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F1B	1000	-12660	-15453
3627	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F2B	1000	-12660	-15453
3628	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F3B	0	0	0
3629	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F4B	0	0	0
3630	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F1B	1000	-12660	-15453
3631	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F2B	0	0	0
3632	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F1B	707	-10724	-13116
3633	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F2B	0	0	0
3634	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E2F1B	497	-1396	741
3635	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5S	0	-425	332
3636	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5X	0	-425	332
3637	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5XY	0	-425	332
3638	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5Y	0	-425	332
3639	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CP	0	-486	380
3640	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CX	0	-486	380
3641	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CXY	0	-486	380
3642	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CY	0	-486	380
3643	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10S	0	-279	218
3644	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10X	0	-279	218
3645	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10XY	0	-279	218
3646	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10Y	0	-279	218
3647	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1P	0	-127	99
3648	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1X	0	-127	99
3649	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1XY	0	-127	99
3650	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1Y	0	-127	99
3651	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12S	0	-162	127
3652	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12X	0	-162	127
3653	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12XY	0	-162	127
3654	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12Y	0	-162	127
3655	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1P	0	-129	101
3656	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1X	0	-129	101
3657	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1XY	0	-129	101
3658	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1Y	0	-129	101
3659	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DP	0	-123	96
3660	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DX	0	-123	96
3661	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DXY	0	-123	96
3662	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DY	0	-123	96
3663	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3664	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F1A	1053	-1199	636
3665	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F2A	1053	-1199	636
3666	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F3A	1053	-557	2143
3667	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F4A	1053	-557	2143
3668	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F1A	1053	-1199	636
3669	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F2A	1053	-557	2143
3670	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F1A	746	-1203	638
3671	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F2A	746	-572	2220
3672	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E2F1A	746	-572	2220
3673	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F1B	1500	-14265	-17507
3674	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F2B	1500	-14265	-17507
3675	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F3B	0	0	0
3676	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F4B	0	0	0
3677	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F1B	1500	-14265	-17507
3678	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F2B	0	0	0
3679	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F1B	1061	-12060	-14827
3680	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F2B	0	0	0
3681	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E2F1B	746	-1203	638
3682	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5S	0	-425	332
3683	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5X	0	-425	332
3684	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5XY	0	-425	332
3685	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5Y	0	-425	332
3686	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CP	0	-486	380
3687	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CX	0	-486	380
3688	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CXY	0	-486	380
3689	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CY	0	-486	380
3690	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10S	0	-279	218
3691	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10X	0	-279	218
3692	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10XY	0	-279	218
3693	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10Y	0	-279	218
3694	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1P	0	-127	99
3695	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1X	0	-127	99
3696	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1XY	0	-127	99
3697	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1Y	0	-127	99
3698	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12S	0	-162	127
3699	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12X	0	-162	127
3700	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12XY	0	-162	127
3701	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12Y	0	-162	127
3702	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1P	0	-129	101
3703	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1X	0	-129	101
3704	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1XY	0	-129	101
3705	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1Y	0	-129	101
3706	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DP	0	-123	96
3707	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DX	0	-123	96
3708	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DXY	0	-123	96
3709	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DY	0	-123	96
3710	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3711	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F1A	2853	-1199	636
3712	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F2A	2853	-1199	636
3713	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F3A	2853	-557	2143
3714	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F4A	2853	-557	2143
3715	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F1A	2853	-1199	636
3716	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F2A	2853	-557	2143
3717	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F1A	2546	-1203	638
3718	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F2A	2546	-572	2220
3719	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E2F1A	2546	-572	2220
3720	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F1B	1500	-14265	-17507
3721	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F2B	1500	-14265	-17507
3722	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F3B	0	0	0
3723	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F4B	0	0	0
3724	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F1B	1500	-14265	-17507
3725	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F2B	0	0	0
3726	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F1B	1061	-12060	-14827
3727	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F2B	0	0	0
3728	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E2F1B	746	-1203	638
3729	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5S	0	-425	332
3730	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5X	0	-425	332
3731	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5XY	0	-425	332
3732	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5Y	0	-425	332
3733	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CP	0	-486	380
3734	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CX	0	-486	380
3735	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CXY	0	-486	380
3736	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CY	0	-486	380
3737	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10S	0	-279	218
3738	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10X	0	-279	218
3739	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10XY	0	-279	218
3740	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10Y	0	-279	218
3741	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1P	0	-127	99
3742	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1X	0	-127	99
3743	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1XY	0	-127	99
3744	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1Y	0	-127	99
3745	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12S	0	-162	127
3746	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12X	0	-162	127
3747	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12XY	0	-162	127
3748	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12Y	0	-162	127
3749	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1P	0	-129	101
3750	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1X	0	-129	101
3751	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1XY	0	-129	101
3752	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1Y	0	-129	101
3753	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DP	0	-123	96
3754	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DX	0	-123	96
3755	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DXY	0	-123	96
3756	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DY	0	-123	96
3757	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3758	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F1A	0	0	0
3759	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F2A	0	0	0
3760	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F3A	0	0	0
3761	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F4A	0	0	0
3762	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F1A	0	0	0
3763	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F2A	0	0	0
3764	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F1A	0	0	0
3765	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F2A	0	0	0
3766	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E2F1A	0	0	0
3767	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F1B	1000	-12640	-13734
3768	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F2B	1000	-12640	-13734
3769	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F3B	1000	-12640	-13734
3770	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F4B	1000	-12640	-13734
3771	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F1B	1000	-12640	-13734
3772	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F2B	1000	-12640	-13734
3773	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F1B	707	-10650	-11651
3774	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F2B	707	-10650	-11651
3775	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E2F1B	0	0	0
3776	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5S	0	-1383	1080
3777	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5X	0	-1383	1080
3778	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5XY	0	-1383	1080
3779	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5Y	0	-1383	1080
3780	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CP	0	-1579	1234
3781	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CX	0	-1579	1234
3782	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CXY	0	-1579	1234
3783	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CY	0	-1579	1234
3784	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10S	0	-908	709
3785	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10X	0	-908	709
3786	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10XY	0	-908	709
3787	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10Y	0	-908	709
3788	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1P	0	-413	323
3789	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1X	0	-413	323
3790	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1XY	0	-413	323
3791	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1Y	0	-413	323
3792	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12S	0	-527	412
3793	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12X	0	-527	412
3794	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12XY	0	-527	412
3795	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12Y	0	-527	412
3796	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1P	0	-421	329
3797	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1X	0	-421	329
3798	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1XY	0	-421	329
3799	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1Y	0	-421	329
3800	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DP	0	-400	313
3801	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DX	0	-400	313
3802	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DXY	0	-400	313
3803	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DY	0	-400	313
3804	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3805	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F1A	0	0	0
3806	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F2A	0	0	0
3807	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F3A	0	0	0
3808	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F4A	0	0	0
3809	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F1A	0	0	0
3810	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F2A	0	0	0
3811	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F1A	0	0	0
3812	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F2A	0	0	0
3813	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E2F1A	0	0	0
3814	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F1B	1400	-22083	-25845
3815	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F2B	1400	-22083	-25845
3816	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F3B	1400	-22083	-25845
3817	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F4B	1400	-22083	-25845
3818	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F1B	1400	-22083	-25845
3819	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F2B	1400	-22083	-25845
3820	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F1B	1073	-20989	-24624
3821	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F2B	1073	-20989	-24624
3822	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E2F1B	0	0	0
3823	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5S	0	-638	499
3824	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5X	0	-638	499
3825	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5XY	0	-638	499
3826	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5Y	0	-638	499
3827	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CP	0	-729	569
3828	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CX	0	-729	569
3829	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CXY	0	-729	569
3830	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CY	0	-729	569
3831	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10S	0	-419	327
3832	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10X	0	-419	327
3833	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10XY	0	-419	327
3834	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10Y	0	-419	327
3835	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1P	0	-191	149
3836	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1X	0	-191	149
3837	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1XY	0	-191	149
3838	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1Y	0	-191	149
3839	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12S	0	-243	190
3840	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12X	0	-243	190
3841	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12XY	0	-243	190
3842	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12Y	0	-243	190
3843	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1P	0	-194	152
3844	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1X	0	-194	152
3845	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1XY	0	-194	152
3846	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1Y	0	-194	152
3847	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DP	0	-185	144
3848	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DX	0	-185	144
3849	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DXY	0	-185	144
3850	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DY	0	-185	144
3851	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3852	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F1A	0	0	0
3853	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F2A	0	0	0
3854	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F3A	0	0	0
3855	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F4A	0	0	0
3856	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F1A	0	0	0
3857	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F2A	0	0	0
3858	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F1A	0	0	0
3859	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F2A	0	0	0
3860	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E2F1A	0	0	0
3861	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F1B	1000	-12660	-15453
3862	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F2B	1000	-12660	-15453
3863	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F3B	1000	-12660	-15453
3864	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F4B	1000	-12660	-15453
3865	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F1B	1000	-12660	-15453
3866	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F2B	1000	-12660	-15453
3867	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F1B	707	-10724	-13116
3868	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F2B	707	-10724	-13116
3869	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E2F1B	0	0	0
3870	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5S	0	-425	332
3871	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5X	0	-425	332
3872	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5XY	0	-425	332
3873	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5Y	0	-425	332
3874	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CP	0	-486	380
3875	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CX	0	-486	380
3876	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CXY	0	-486	380
3877	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CY	0	-486	380
3878	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10S	0	-279	218
3879	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10X	0	-279	218
3880	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10XY	0	-279	218
3881	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10Y	0	-279	218
3882	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1P	0	-127	99
3883	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1X	0	-127	99
3884	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1XY	0	-127	99
3885	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1Y	0	-127	99
3886	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12S	0	-162	127
3887	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12X	0	-162	127
3888	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12XY	0	-162	127
3889	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12Y	0	-162	127
3890	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1P	0	-129	101
3891	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1X	0	-129	101
3892	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1XY	0	-129	101
3893	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1Y	0	-129	101
3894	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DP	0	-123	96
3895	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DX	0	-123	96
3896	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DXY	0	-123	96
3897	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DY	0	-123	96
3898	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3899	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F1A	0	0	0
3900	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F2A	0	0	0
3901	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F3A	0	0	0
3902	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F4A	0	0	0
3903	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F1A	0	0	0
3904	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F2A	0	0	0
3905	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F1A	0	0	0
3906	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F2A	0	0	0
3907	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E2F1A	0	0	0
3908	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F1B	1500	-14265	-17507
3909	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F2B	1500	-14265	-17507
3910	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F3B	1500	-14265	-17507
3911	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F4B	1500	-14265	-17507
3912	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F1B	1500	-14265	-17507
3913	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F2B	1500	-14265	-17507
3914	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F1B	1061	-12060	-14827
3915	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F2B	1061	-12060	-14827
3916	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E2F1B	0	0	0
3917	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5S	0	-425	332
3918	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5X	0	-425	332
3919	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5XY	0	-425	332
3920	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5Y	0	-425	332
3921	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CP	0	-486	380
3922	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CX	0	-486	380
3923	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CXY	0	-486	380
3924	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CY	0	-486	380
3925	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10S	0	-279	218
3926	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10X	0	-279	218
3927	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10XY	0	-279	218
3928	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10Y	0	-279	218
3929	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1P	0	-127	99
3930	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1X	0	-127	99
3931	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1XY	0	-127	99
3932	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1Y	0	-127	99
3933	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12S	0	-162	127
3934	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12X	0	-162	127
3935	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12XY	0	-162	127
3936	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12Y	0	-162	127
3937	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1P	0	-129	101
3938	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1X	0	-129	101
3939	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1XY	0	-129	101
3940	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1Y	0	-129	101
3941	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DP	0	-123	96
3942	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DX	0	-123	96
3943	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DXY	0	-123	96
3944	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DY	0	-123	96
3945	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3946	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F1A	0	0	0
3947	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F2A	0	0	0
3948	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F3A	0	0	0
3949	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F4A	0	0	0
3950	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F1A	0	0	0
3951	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F2A	0	0	0
3952	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F1A	0	0	0
3953	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F2A	0	0	0
3954	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E2F1A	0	0	0
3955	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F1B	1500	-14265	-17507
3956	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F2B	1500	-14265	-17507
3957	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F3B	1500	-14265	-17507
3958	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F4B	1500	-14265	-17507
3959	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F1B	1500	-14265	-17507
3960	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F2B	1500	-14265	-17507
3961	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F1B	1061	-12060	-14827
3962	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F2B	1061	-12060	-14827
3963	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E2F1B	0	0	0
3964	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5S	0	-425	332
3965	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5X	0	-425	332
3966	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5XY	0	-425	332
3967	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5Y	0	-425	332
3968	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CP	0	-486	380
3969	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CX	0	-486	380
3970	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CXY	0	-486	380
3971	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CY	0	-486	380
3972	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10S	0	-279	218
3973	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10X	0	-279	218
3974	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10XY	0	-279	218
3975	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10Y	0	-279	218
3976	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1P	0	-127	99
3977	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1X	0	-127	99
3978	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1XY	0	-127	99
3979	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1Y	0	-127	99
3980	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12S	0	-162	127
3981	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12X	0	-162	127
3982	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12XY	0	-162	127
3983	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12Y	0	-162	127
3984	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1P	0	-129	101
3985	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1X	0	-129	101
3986	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1XY	0	-129	101
3987	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1Y	0	-129	101
3988	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DP	0	-123	96
3989	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DX	0	-123	96
3990	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DXY	0	-123	96
3991	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DY	0	-123	96
3992	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3993	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F1A	702	-971	510
3994	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F2A	702	-971	510
3995	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F3A	702	-504	1730
3996	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F4A	702	-504	1730
3997	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F1A	702	-971	510
3998	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F2A	702	-504	1730
3999	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F1A	497	-958	504
4000	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F2A	497	-498	1759
4001	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E2F1A	497	-498	1759
4002	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F1B	0	0	0
4003	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F2B	0	0	0
4004	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F3B	0	0	0
4005	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F4B	0	0	0
4006	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F1B	0	0	0
4007	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F2B	0	0	0
4008	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F1B	0	0	0
4009	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F2B	0	0	0
4010	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E2F1B	497	-958	504
4011	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5S	0	-1383	1080
4012	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5X	0	-1383	1080
4013	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5XY	0	-1383	1080
4014	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5Y	0	-1383	1080
4015	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CP	0	-1579	1234
4016	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CX	0	-1579	1234
4017	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CXY	0	-1579	1234
4018	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CY	0	-1579	1234
4019	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10S	0	-908	709
4020	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10X	0	-908	709
4021	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10XY	0	-908	709
4022	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10Y	0	-908	709
4023	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1P	0	-413	323
4024	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1X	0	-413	323
4025	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1XY	0	-413	323
4026	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1Y	0	-413	323
4027	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12S	0	-527	412
4028	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12X	0	-527	412
4029	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12XY	0	-527	412
4030	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12Y	0	-527	412
4031	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1P	0	-421	329
4032	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1X	0	-421	329
4033	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1XY	0	-421	329
4034	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1Y	0	-421	329
4035	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DP	0	-400	313
4036	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DX	0	-400	313
4037	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DXY	0	-400	313
4038	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DY	0	-400	313
4039	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4040	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F1A	984	-2311	1223
4041	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F2A	984	-2311	1223
4042	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F3A	984	-1050	3923
4043	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F4A	984	-1050	3923
4044	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F1A	984	-2311	1223
4045	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F2A	984	-1050	3923
4046	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F1A	754	-2744	1453
4047	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F2A	754	-1185	4483
4048	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E2F1A	754	-1185	4483
4049	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F1B	0	0	0
4050	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F2B	0	0	0
4051	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F3B	0	0	0
4052	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F4B	0	0	0
4053	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F1B	0	0	0
4054	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F2B	0	0	0
4055	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F1B	0	0	0
4056	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F2B	0	0	0
4057	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E2F1B	754	-2744	1453
4058	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5S	0	-638	499
4059	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5X	0	-638	499
4060	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5XY	0	-638	499
4061	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5Y	0	-638	499
4062	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CP	0	-729	569
4063	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CX	0	-729	569
4064	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CXY	0	-729	569
4065	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CY	0	-729	569
4066	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10S	0	-419	327
4067	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10X	0	-419	327
4068	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10XY	0	-419	327
4069	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10Y	0	-419	327
4070	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1P	0	-191	149
4071	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1X	0	-191	149
4072	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1XY	0	-191	149
4073	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1Y	0	-191	149
4074	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12S	0	-243	190
4075	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12X	0	-243	190
4076	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12XY	0	-243	190
4077	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12Y	0	-243	190
4078	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1P	0	-194	152
4079	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1X	0	-194	152
4080	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1XY	0	-194	152
4081	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1Y	0	-194	152
4082	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DP	0	-185	144
4083	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DX	0	-185	144
4084	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DXY	0	-185	144
4085	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DY	0	-185	144
4086	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4087	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F1A	702	-1253	664
4088	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F2A	702	-1253	664
4089	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F3A	702	-543	2089
4090	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F4A	702	-543	2089
4091	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F1A	702	-1253	664
4092	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F2A	702	-543	2089
4093	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F1A	497	-1396	741
4094	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F2A	497	-642	2502
4095	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E2F1A	497	-642	2502
4096	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F1B	0	0	0
4097	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F2B	0	0	0
4098	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F3B	0	0	0
4099	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F4B	0	0	0
4100	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F1B	0	0	0
4101	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F2B	0	0	0
4102	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F1B	0	0	0
4103	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F2B	0	0	0
4104	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E2F1B	497	-1396	741
4105	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5S	0	-425	332
4106	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5X	0	-425	332
4107	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5XY	0	-425	332
4108	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5Y	0	-425	332
4109	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CP	0	-486	380
4110	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CX	0	-486	380
4111	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CXY	0	-486	380
4112	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CY	0	-486	380
4113	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10S	0	-279	218
4114	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10X	0	-279	218
4115	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10XY	0	-279	218
4116	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10Y	0	-279	218
4117	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1P	0	-127	99
4118	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1X	0	-127	99
4119	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1XY	0	-127	99
4120	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1Y	0	-127	99
4121	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12S	0	-162	127
4122	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12X	0	-162	127
4123	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12XY	0	-162	127
4124	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12Y	0	-162	127
4125	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1P	0	-129	101
4126	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1X	0	-129	101
4127	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1XY	0	-129	101
4128	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1Y	0	-129	101
4129	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DP	0	-123	96
4130	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DX	0	-123	96
4131	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DXY	0	-123	96
4132	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DY	0	-123	96
4133	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4134	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F1A	1053	-1199	636
4135	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F2A	1053	-1199	636
4136	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F3A	1053	-557	2143
4137	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F4A	1053	-557	2143
4138	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F1A	1053	-1199	636
4139	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F2A	1053	-557	2143
4140	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F1A	746	-1203	638
4141	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F2A	746	-572	2220
4142	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E2F1A	746	-572	2220
4143	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F1B	0	0	0
4144	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F2B	0	0	0
4145	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F3B	0	0	0
4146	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F4B	0	0	0
4147	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F1B	0	0	0
4148	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F2B	0	0	0
4149	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F1B	0	0	0
4150	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F2B	0	0	0
4151	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E2F1B	746	-1203	638
4152	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5S	0	-425	332
4153	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5X	0	-425	332
4154	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5XY	0	-425	332
4155	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5Y	0	-425	332
4156	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CP	0	-486	380
4157	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CX	0	-486	380
4158	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CXY	0	-486	380
4159	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CY	0	-486	380
4160	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10S	0	-279	218
4161	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10X	0	-279	218
4162	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10XY	0	-279	218
4163	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10Y	0	-279	218
4164	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1P	0	-127	99
4165	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1X	0	-127	99
4166	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1XY	0	-127	99
4167	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1Y	0	-127	99
4168	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12S	0	-162	127
4169	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12X	0	-162	127
4170	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12XY	0	-162	127
4171	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12Y	0	-162	127
4172	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1P	0	-129	101
4173	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1X	0	-129	101
4174	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1XY	0	-129	101
4175	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1Y	0	-129	101
4176	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DP	0	-123	96
4177	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DX	0	-123	96
4178	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DXY	0	-123	96
4179	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DY	0	-123	96
4180	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4181	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F1A	2853	-1199	636
4182	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F2A	2853	-1199	636
4183	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F3A	2853	-557	2143
4184	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F4A	2853	-557	2143
4185	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F1A	2853	-1199	636
4186	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F2A	2853	-557	2143
4187	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F1A	2546	-1203	638
4188	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F2A	2546	-572	2220
4189	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E2F1A	2546	-572	2220
4190	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F1B	0	0	0
4191	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F2B	0	0	0
4192	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F3B	0	0	0
4193	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F4B	0	0	0
4194	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F1B	0	0	0
4195	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F2B	0	0	0
4196	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F1B	0	0	0
4197	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F2B	0	0	0
4198	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E2F1B	746	-1203	638
4199	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5S	0	-425	332
4200	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5X	0	-425	332
4201	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5XY	0	-425	332
4202	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5Y	0	-425	332
4203	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CP	0	-486	380
4204	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CX	0	-486	380
4205	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CXY	0	-486	380
4206	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CY	0	-486	380
4207	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10S	0	-279	218
4208	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10X	0	-279	218
4209	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10XY	0	-279	218
4210	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10Y	0	-279	218
4211	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1P	0	-127	99
4212	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1X	0	-127	99
4213	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1XY	0	-127	99
4214	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1Y	0	-127	99
4215	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12S	0	-162	127
4216	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12X	0	-162	127
4217	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12XY	0	-162	127
4218	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12Y	0	-162	127
4219	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1P	0	-129	101
4220	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1X	0	-129	101
4221	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1XY	0	-129	101
4222	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1Y	0	-129	101
4223	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DP	0	-123	96
4224	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DX	0	-123	96
4225	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DXY	0	-123	96
4226	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DY	0	-123	96
4227	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4228	LC115_SeLS_NL1a=Wind_Dir=38	C1F1A	669	-925	484
4229	LC115_SeLS_NL1a=Wind_Dir=38	C1F2A	669	-925	484
4230	LC115_SeLS_NL1a=Wind_Dir=38	C1F3A	669	-503	1642
4231	LC115_SeLS_NL1a=Wind_Dir=38	C1F4A	669	-503	1642
4232	LC115_SeLS_NL1a=Wind_Dir=38	C2F1A	669	-925	484
4233	LC115_SeLS_NL1a=Wind_Dir=38	C2F2A	669	-503	1642
4234	LC115_SeLS_NL1a=Wind_Dir=38	E1F1A	473	-913	479
4235	LC115_SeLS_NL1a=Wind_Dir=38	E1F2A	473	-492	1671
4236	LC115_SeLS_NL1a=Wind_Dir=38	E2F1A	473	-492	1671
4237	LC115_SeLS_NL1a=Wind_Dir=38	C1F1B	952	-12428	-12775
4238	LC115_SeLS_NL1a=Wind_Dir=38	C1F2B	952	-12428	-12775
4239	LC115_SeLS_NL1a=Wind_Dir=38	C1F3B	952	-12428	-12775
4240	LC115_SeLS_NL1a=Wind_Dir=38	C1F4B	952	-12428	-12775
4241	LC115_SeLS_NL1a=Wind_Dir=38	C2F1B	952	-12428	-12775
4242	LC115_SeLS_NL1a=Wind_Dir=38	C2F2B	952	-12428	-12775
4243	LC115_SeLS_NL1a=Wind_Dir=38	E1F1B	674	-10460	-10849
4244	LC115_SeLS_NL1a=Wind_Dir=38	E1F2B	674	-10460	-10849
4245	LC115_SeLS_NL1a=Wind_Dir=38	E2F1B	473	-913	479
4246	LC115_SeLS_NL1a=Wind_Dir=38	Sd5S	0	-1772	1385
4247	LC115_SeLS_NL1a=Wind_Dir=38	Sd5X	0	-1772	1385
4248	LC115_SeLS_NL1a=Wind_Dir=38	Sd5XY	0	-1772	1385
4249	LC115_SeLS_NL1a=Wind_Dir=38	Sd5Y	0	-1772	1385
4250	LC115_SeLS_NL1a=Wind_Dir=38	CP	0	-2024	1582
4251	LC115_SeLS_NL1a=Wind_Dir=38	CX	0	-2024	1582
4252	LC115_SeLS_NL1a=Wind_Dir=38	CXY	0	-2024	1582
4253	LC115_SeLS_NL1a=Wind_Dir=38	CY	0	-2024	1582
4254	LC115_SeLS_NL1a=Wind_Dir=38	Sd10S	0	-1164	909
4255	LC115_SeLS_NL1a=Wind_Dir=38	Sd10X	0	-1164	909
4256	LC115_SeLS_NL1a=Wind_Dir=38	Sd10XY	0	-1164	909
4257	LC115_SeLS_NL1a=Wind_Dir=38	Sd10Y	0	-1164	909
4258	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1P	0	-529	414
4259	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1X	0	-529	414
4260	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1XY	0	-529	414
4261	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1Y	0	-529	414
4262	LC115_SeLS_NL1a=Wind_Dir=38	Sd12S	0	-676	528
4263	LC115_SeLS_NL1a=Wind_Dir=38	Sd12X	0	-676	528
4264	LC115_SeLS_NL1a=Wind_Dir=38	Sd12XY	0	-676	528
4265	LC115_SeLS_NL1a=Wind_Dir=38	Sd12Y	0	-676	528
4266	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1P	0	-539	421
4267	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1X	0	-539	421
4268	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1XY	0	-539	421
4269	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1Y	0	-539	421
4270	LC115_SeLS_NL1a=Wind_Dir=38	DP	0	-513	401
4271	LC115_SeLS_NL1a=Wind_Dir=38	DX	0	-513	401
4272	LC115_SeLS_NL1a=Wind_Dir=38	DXY	0	-513	401
4273	LC115_SeLS_NL1a=Wind_Dir=38	DY	0	-513	401
4274	LC115_SeLS_NL1a=Wind_Dir=38	TopP	0	-434	339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4275	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F1A	1496	-2201	1165
4276	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F2A	1496	-2201	1165
4277	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F3A	1496	-992	3738
4278	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F4A	1496	-992	3738
4279	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F1A	1496	-2201	1165
4280	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F2A	1496	-992	3738
4281	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F1A	1228	-2613	1384
4282	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F2A	1228	-1121	4271
4283	LC116_SeLS_NL3=Wind+Ice_Dir=38	E2F1A	1228	-1121	4271
4284	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F1B	2130	-20892	-24724
4285	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F2B	2130	-20892	-24724
4286	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F3B	2130	-20892	-24724
4287	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F4B	2130	-20892	-24724
4288	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F1B	2130	-20892	-24724
4289	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F2B	2130	-20892	-24724
4290	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F1B	1748	-19860	-23553
4291	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F2B	1748	-19860	-23553
4292	LC116_SeLS_NL3=Wind+Ice_Dir=38	E2F1B	1228	-2613	1384
4293	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5S	0	-532	415
4294	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5X	0	-532	415
4295	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5XY	0	-532	415
4296	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5Y	0	-532	415
4297	LC116_SeLS_NL3=Wind+Ice_Dir=38	CP	0	-607	474
4298	LC116_SeLS_NL3=Wind+Ice_Dir=38	CX	0	-607	474
4299	LC116_SeLS_NL3=Wind+Ice_Dir=38	CXY	0	-607	474
4300	LC116_SeLS_NL3=Wind+Ice_Dir=38	CY	0	-607	474
4301	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10S	0	-349	273
4302	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10X	0	-349	273
4303	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10XY	0	-349	273
4304	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10Y	0	-349	273
4305	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1P	0	-159	124
4306	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1X	0	-159	124
4307	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1XY	0	-159	124
4308	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1Y	0	-159	124
4309	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12S	0	-203	158
4310	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12X	0	-203	158
4311	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12XY	0	-203	158
4312	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12Y	0	-203	158
4313	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1P	0	-162	126
4314	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1X	0	-162	126
4315	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1XY	0	-162	126
4316	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1Y	0	-162	126
4317	LC116_SeLS_NL3=Wind+Ice_Dir=38	DP	0	-154	120
4318	LC116_SeLS_NL3=Wind+Ice_Dir=38	DX	0	-154	120
4319	LC116_SeLS_NL3=Wind+Ice_Dir=38	DXY	0	-154	120
4320	LC116_SeLS_NL3=Wind+Ice_Dir=38	DY	0	-154	120
4321	LC116_SeLS_NL3=Wind+Ice_Dir=38	TopP	0	-130	102

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4322	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F1A	669	-1193	633
4323	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F2A	669	-1193	633
4324	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F3A	669	-515	1990
4325	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F4A	669	-515	1990
4326	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F1A	669	-1193	633
4327	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F2A	669	-515	1990
4328	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F1A	473	-1329	706
4329	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F2A	473	-609	2383
4330	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E2F1A	473	-609	2383
4331	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F1B	952	-12014	-14751
4332	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F2B	952	-12014	-14751
4333	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F3B	952	-12014	-14751
4334	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F4B	952	-12014	-14751
4335	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F1B	952	-12014	-14751
4336	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F2B	952	-12014	-14751
4337	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F1B	674	-10178	-12519
4338	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F2B	674	-10178	-12519
4339	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E2F1B	473	-1329	706
4340	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5S	0	-354	277
4341	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5X	0	-354	277
4342	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5XY	0	-354	277
4343	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5Y	0	-354	277
4344	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CP	0	-405	316
4345	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CX	0	-405	316
4346	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CXY	0	-405	316
4347	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CY	0	-405	316
4348	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10S	0	-233	182
4349	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10X	0	-233	182
4350	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10XY	0	-233	182
4351	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10Y	0	-233	182
4352	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1P	0	-106	83
4353	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1X	0	-106	83
4354	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1XY	0	-106	83
4355	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1Y	0	-106	83
4356	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12S	0	-135	106
4357	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12X	0	-135	106
4358	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12XY	0	-135	106
4359	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12Y	0	-135	106
4360	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1P	0	-108	84
4361	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1X	0	-108	84
4362	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1XY	0	-108	84
4363	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1Y	0	-108	84
4364	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DP	0	-103	80
4365	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DX	0	-103	80
4366	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DXY	0	-103	80
4367	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DY	0	-103	80
4368	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4369	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F1A	1003	-1142	606
4370	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F2A	1003	-1142	606
4371	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F3A	1003	-528	2042
4372	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F4A	1003	-528	2042
4373	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F1A	1003	-1142	606
4374	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F2A	1003	-528	2042
4375	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F1A	710	-1146	608
4376	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F2A	710	-543	2115
4377	LC118_SeLS_NL6a=Cons+Main_Dir=38	E2F1A	710	-543	2115
4378	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F1B	1428	-13543	-16707
4379	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F2B	1428	-13543	-16707
4380	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F3B	1428	-13543	-16707
4381	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F4B	1428	-13543	-16707
4382	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F1B	1428	-13543	-16707
4383	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F2B	1428	-13543	-16707
4384	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F1B	1011	-11451	-14148
4385	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F2B	1011	-11451	-14148
4386	LC118_SeLS_NL6a=Cons+Main_Dir=38	E2F1B	710	-1146	608
4387	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5S	0	-354	277
4388	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5X	0	-354	277
4389	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5XY	0	-354	277
4390	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5Y	0	-354	277
4391	LC118_SeLS_NL6a=Cons+Main_Dir=38	CP	0	-405	316
4392	LC118_SeLS_NL6a=Cons+Main_Dir=38	CX	0	-405	316
4393	LC118_SeLS_NL6a=Cons+Main_Dir=38	CXY	0	-405	316
4394	LC118_SeLS_NL6a=Cons+Main_Dir=38	CY	0	-405	316
4395	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10S	0	-233	182
4396	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10X	0	-233	182
4397	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10XY	0	-233	182
4398	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10Y	0	-233	182
4399	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1P	0	-106	83
4400	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1X	0	-106	83
4401	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1XY	0	-106	83
4402	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1Y	0	-106	83
4403	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12S	0	-135	106
4404	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12X	0	-135	106
4405	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12XY	0	-135	106
4406	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12Y	0	-135	106
4407	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1P	0	-108	84
4408	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1X	0	-108	84
4409	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1XY	0	-108	84
4410	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1Y	0	-108	84
4411	LC118_SeLS_NL6a=Cons+Main_Dir=38	DP	0	-103	80
4412	LC118_SeLS_NL6a=Cons+Main_Dir=38	DX	0	-103	80
4413	LC118_SeLS_NL6a=Cons+Main_Dir=38	DXY	0	-103	80
4414	LC118_SeLS_NL6a=Cons+Main_Dir=38	DY	0	-103	80
4415	LC118_SeLS_NL6a=Cons+Main_Dir=38	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4416	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F1A	2503	-1142	606
4417	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F2A	2503	-1142	606
4418	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F3A	2503	-528	2042
4419	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F4A	2503	-528	2042
4420	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F1A	2503	-1142	606
4421	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F2A	2503	-528	2042
4422	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F1A	2210	-1146	608
4423	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F2A	2210	-543	2115
4424	LC119_SeLS_NL6b=Linesmen_Dir=38	E2F1A	2210	-543	2115
4425	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F1B	1428	-13543	-16707
4426	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F2B	1428	-13543	-16707
4427	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F3B	1428	-13543	-16707
4428	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F4B	1428	-13543	-16707
4429	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F1B	1428	-13543	-16707
4430	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F2B	1428	-13543	-16707
4431	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F1B	1011	-11451	-14148
4432	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F2B	1011	-11451	-14148
4433	LC119_SeLS_NL6b=Linesmen_Dir=38	E2F1B	710	-1146	608
4434	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5S	0	-354	277
4435	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5X	0	-354	277
4436	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5XY	0	-354	277
4437	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5Y	0	-354	277
4438	LC119_SeLS_NL6b=Linesmen_Dir=38	CP	0	-405	316
4439	LC119_SeLS_NL6b=Linesmen_Dir=38	CX	0	-405	316
4440	LC119_SeLS_NL6b=Linesmen_Dir=38	CXY	0	-405	316
4441	LC119_SeLS_NL6b=Linesmen_Dir=38	CY	0	-405	316
4442	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10S	0	-233	182
4443	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10X	0	-233	182
4444	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10XY	0	-233	182
4445	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10Y	0	-233	182
4446	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1P	0	-106	83
4447	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1X	0	-106	83
4448	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1XY	0	-106	83
4449	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1Y	0	-106	83
4450	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12S	0	-135	106
4451	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12X	0	-135	106
4452	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12XY	0	-135	106
4453	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12Y	0	-135	106
4454	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1P	0	-108	84
4455	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1X	0	-108	84
4456	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1XY	0	-108	84
4457	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1Y	0	-108	84
4458	LC119_SeLS_NL6b=Linesmen_Dir=38	DP	0	-103	80
4459	LC119_SeLS_NL6b=Linesmen_Dir=38	DX	0	-103	80
4460	LC119_SeLS_NL6b=Linesmen_Dir=38	DXY	0	-103	80
4461	LC119_SeLS_NL6b=Linesmen_Dir=38	DY	0	-103	80
4462	LC119_SeLS_NL6b=Linesmen_Dir=38	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4463	LC120_ULS_NL1a=Wind_Dir=-45	C1F1A	702	-2261	922
4464	LC120_ULS_NL1a=Wind_Dir=-45	C1F2A	702	-2261	922
4465	LC120_ULS_NL1a=Wind_Dir=-45	C1F3A	702	-730	2106
4466	LC120_ULS_NL1a=Wind_Dir=-45	C1F4A	702	-730	2106
4467	LC120_ULS_NL1a=Wind_Dir=-45	C2F1A	702	-2261	922
4468	LC120_ULS_NL1a=Wind_Dir=-45	C2F2A	702	-730	2106
4469	LC120_ULS_NL1a=Wind_Dir=-45	E1F1A	497	-2275	982
4470	LC120_ULS_NL1a=Wind_Dir=-45	E1F2A	497	-699	2137
4471	LC120_ULS_NL1a=Wind_Dir=-45	E2F1A	497	-699	2137
4472	LC120_ULS_NL1a=Wind_Dir=-45	C1F1B	1000	-6014	-7646
4473	LC120_ULS_NL1a=Wind_Dir=-45	C1F2B	1000	-6014	-7646
4474	LC120_ULS_NL1a=Wind_Dir=-45	C1F3B	1000	-6014	-7646
4475	LC120_ULS_NL1a=Wind_Dir=-45	C1F4B	1000	-6014	-7646
4476	LC120_ULS_NL1a=Wind_Dir=-45	C2F1B	1000	-6014	-7646
4477	LC120_ULS_NL1a=Wind_Dir=-45	C2F2B	1000	-6014	-7646
4478	LC120_ULS_NL1a=Wind_Dir=-45	E1F1B	707	-4980	-6332
4479	LC120_ULS_NL1a=Wind_Dir=-45	E1F2B	707	-4980	-6332
4480	LC120_ULS_NL1a=Wind_Dir=-45	E2F1B	497	-2275	982
4481	LC120_ULS_NL1a=Wind_Dir=-45	Sd5S	0	-1815	-1815
4482	LC120_ULS_NL1a=Wind_Dir=-45	Sd5X	0	-1815	-1815
4483	LC120_ULS_NL1a=Wind_Dir=-45	Sd5XY	0	-1815	-1815
4484	LC120_ULS_NL1a=Wind_Dir=-45	Sd5Y	0	-1815	-1815
4485	LC120_ULS_NL1a=Wind_Dir=-45	CP	0	-2073	-2073
4486	LC120_ULS_NL1a=Wind_Dir=-45	CX	0	-2073	-2073
4487	LC120_ULS_NL1a=Wind_Dir=-45	CXY	0	-2073	-2073
4488	LC120_ULS_NL1a=Wind_Dir=-45	CY	0	-2073	-2073
4489	LC120_ULS_NL1a=Wind_Dir=-45	Sd10S	0	-1048	-1048
4490	LC120_ULS_NL1a=Wind_Dir=-45	Sd10X	0	-1048	-1048
4491	LC120_ULS_NL1a=Wind_Dir=-45	Sd10XY	0	-1048	-1048
4492	LC120_ULS_NL1a=Wind_Dir=-45	Sd10Y	0	-1048	-1048
4493	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1P	0	-542	-542
4494	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1X	0	-542	-542
4495	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1XY	0	-542	-542
4496	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1Y	0	-542	-542
4497	LC120_ULS_NL1a=Wind_Dir=-45	Sd12S	0	-615	-615
4498	LC120_ULS_NL1a=Wind_Dir=-45	Sd12X	0	-615	-615
4499	LC120_ULS_NL1a=Wind_Dir=-45	Sd12XY	0	-615	-615
4500	LC120_ULS_NL1a=Wind_Dir=-45	Sd12Y	0	-615	-615
4501	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1P	0	-552	-552
4502	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1X	0	-552	-552
4503	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1XY	0	-552	-552
4504	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1Y	0	-552	-552
4505	LC120_ULS_NL1a=Wind_Dir=-45	DP	0	-467	-467
4506	LC120_ULS_NL1a=Wind_Dir=-45	DX	0	-467	-467
4507	LC120_ULS_NL1a=Wind_Dir=-45	DXY	0	-467	-467
4508	LC120_ULS_NL1a=Wind_Dir=-45	DY	0	-467	-467
4509	LC120_ULS_NL1a=Wind_Dir=-45	TopP	0	-444	-444

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4510	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F1A	1505	-4803	2373
4511	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F2A	1505	-4803	2373
4512	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F3A	1505	-1315	4743
4513	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F4A	1505	-1315	4743
4514	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F1A	1505	-4803	2373
4515	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F2A	1505	-1315	4743
4516	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F1A	1229	-5323	2663
4517	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F2A	1229	-1441	5290
4518	LC121_ULS_NL3=Wind+Ice_Dir=-45	E2F1A	1229	-1441	5290
4519	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F1B	2142	-12334	-15753
4520	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F2B	2142	-12334	-15753
4521	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F3B	2142	-12334	-15753
4522	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F4B	2142	-12334	-15753
4523	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F1B	2142	-12334	-15753
4524	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F2B	2142	-12334	-15753
4525	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F1B	1750	-11303	-14436
4526	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F2B	1750	-11303	-14436
4527	LC121_ULS_NL3=Wind+Ice_Dir=-45	E2F1B	1229	-5323	2663
4528	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5S	0	-546	-546
4529	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5X	0	-546	-546
4530	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5XY	0	-546	-546
4531	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5Y	0	-546	-546
4532	LC121_ULS_NL3=Wind+Ice_Dir=-45	CP	0	-624	-624
4533	LC121_ULS_NL3=Wind+Ice_Dir=-45	CX	0	-624	-624
4534	LC121_ULS_NL3=Wind+Ice_Dir=-45	CXY	0	-624	-624
4535	LC121_ULS_NL3=Wind+Ice_Dir=-45	CY	0	-624	-624
4536	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10S	0	-315	-315
4537	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10X	0	-315	-315
4538	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10XY	0	-315	-315
4539	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10Y	0	-315	-315
4540	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1P	0	-163	-163
4541	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1X	0	-163	-163
4542	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1XY	0	-163	-163
4543	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1Y	0	-163	-163
4544	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12S	0	-185	-185
4545	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12X	0	-185	-185
4546	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12XY	0	-185	-185
4547	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12Y	0	-185	-185
4548	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1P	0	-166	-166
4549	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1X	0	-166	-166
4550	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1XY	0	-166	-166
4551	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1Y	0	-166	-166
4552	LC121_ULS_NL3=Wind+Ice_Dir=-45	DP	0	-141	-141
4553	LC121_ULS_NL3=Wind+Ice_Dir=-45	DX	0	-141	-141
4554	LC121_ULS_NL3=Wind+Ice_Dir=-45	DXY	0	-141	-141
4555	LC121_ULS_NL3=Wind+Ice_Dir=-45	DY	0	-141	-141
4556	LC121_ULS_NL3=Wind+Ice_Dir=-45	TopP	0	-134	-134

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4557	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F1A	702	-2634	1343
4558	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F2A	702	-2634	1343
4559	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F3A	702	-672	2529
4560	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F4A	702	-672	2529
4561	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F1A	702	-2634	1343
4562	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F2A	702	-672	2529
4563	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F1A	497	-2907	1500
4564	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F2A	497	-777	2981
4565	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E2F1A	497	-777	2981
4566	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F1B	1000	-6587	-8421
4567	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F2B	1000	-6587	-8421
4568	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F3B	1000	-6587	-8421
4569	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F4B	1000	-6587	-8421
4570	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F1B	1000	-6587	-8421
4571	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F2B	1000	-6587	-8421
4572	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F1B	707	-5534	-7074
4573	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F2B	707	-5534	-7074
4574	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E2F1B	497	-2907	1500
4575	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5S	0	-369	-369
4576	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5X	0	-369	-369
4577	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5XY	0	-369	-369
4578	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5Y	0	-369	-369
4579	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CP	0	-422	-422
4580	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CX	0	-422	-422
4581	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CXY	0	-422	-422
4582	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CY	0	-422	-422
4583	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10S	0	-213	-213
4584	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10X	0	-213	-213
4585	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10XY	0	-213	-213
4586	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10Y	0	-213	-213
4587	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1P	0	-110	-110
4588	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1X	0	-110	-110
4589	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1XY	0	-110	-110
4590	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1Y	0	-110	-110
4591	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12S	0	-125	-125
4592	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12X	0	-125	-125
4593	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12XY	0	-125	-125
4594	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12Y	0	-125	-125
4595	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1P	0	-112	-112
4596	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1X	0	-112	-112
4597	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1XY	0	-112	-112
4598	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1Y	0	-112	-112
4599	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DP	0	-95	-95
4600	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DX	0	-95	-95
4601	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DXY	0	-95	-95
4602	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DY	0	-95	-95
4603	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	TopP	0	-90	-90

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4604	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F1A	1053	-2672	1364
4605	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F2A	1053	-2672	1364
4606	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F3A	1053	-700	2640
4607	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F4A	1053	-700	2640
4608	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F1A	1053	-2672	1364
4609	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F2A	1053	-700	2640
4610	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F1A	746	-2739	1410
4611	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F2A	746	-711	2717
4612	LC123_ULS_NL6a=Cons+Main_Dir=-45	E2F1A	746	-711	2717
4613	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F1B	1500	-7298	-9330
4614	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F2B	1500	-7298	-9330
4615	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F3B	1500	-7298	-9330
4616	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F4B	1500	-7298	-9330
4617	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F1B	1500	-7298	-9330
4618	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F2B	1500	-7298	-9330
4619	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F1B	1061	-6056	-7742
4620	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F2B	1061	-6056	-7742
4621	LC123_ULS_NL6a=Cons+Main_Dir=-45	E2F1B	746	-2739	1410
4622	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5S	0	-369	-369
4623	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5X	0	-369	-369
4624	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5XY	0	-369	-369
4625	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5Y	0	-369	-369
4626	LC123_ULS_NL6a=Cons+Main_Dir=-45	CP	0	-422	-422
4627	LC123_ULS_NL6a=Cons+Main_Dir=-45	CX	0	-422	-422
4628	LC123_ULS_NL6a=Cons+Main_Dir=-45	CXY	0	-422	-422
4629	LC123_ULS_NL6a=Cons+Main_Dir=-45	CY	0	-422	-422
4630	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10S	0	-213	-213
4631	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10X	0	-213	-213
4632	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10XY	0	-213	-213
4633	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10Y	0	-213	-213
4634	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1P	0	-110	-110
4635	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1X	0	-110	-110
4636	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1XY	0	-110	-110
4637	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1Y	0	-110	-110
4638	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12S	0	-125	-125
4639	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12X	0	-125	-125
4640	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12XY	0	-125	-125
4641	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12Y	0	-125	-125
4642	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1P	0	-112	-112
4643	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1X	0	-112	-112
4644	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1XY	0	-112	-112
4645	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1Y	0	-112	-112
4646	LC123_ULS_NL6a=Cons+Main_Dir=-45	DP	0	-95	-95
4647	LC123_ULS_NL6a=Cons+Main_Dir=-45	DX	0	-95	-95
4648	LC123_ULS_NL6a=Cons+Main_Dir=-45	DXY	0	-95	-95
4649	LC123_ULS_NL6a=Cons+Main_Dir=-45	DY	0	-95	-95
4650	LC123_ULS_NL6a=Cons+Main_Dir=-45	TopP	0	-90	-90

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4651	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F1A	2853	-2672	1364
4652	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F2A	2853	-2672	1364
4653	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F3A	2853	-700	2640
4654	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F4A	2853	-700	2640
4655	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F1A	2853	-2672	1364
4656	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F2A	2853	-700	2640
4657	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F1A	2546	-2739	1410
4658	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F2A	2546	-711	2717
4659	LC124_ULS_NL6b=Linesmen_Dir=-45	E2F1A	2546	-711	2717
4660	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F1B	1500	-7298	-9330
4661	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F2B	1500	-7298	-9330
4662	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F3B	1500	-7298	-9330
4663	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F4B	1500	-7298	-9330
4664	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F1B	1500	-7298	-9330
4665	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F2B	1500	-7298	-9330
4666	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F1B	1061	-6056	-7742
4667	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F2B	1061	-6056	-7742
4668	LC124_ULS_NL6b=Linesmen_Dir=-45	E2F1B	746	-2739	1410
4669	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5S	0	-369	-369
4670	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5X	0	-369	-369
4671	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5XY	0	-369	-369
4672	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5Y	0	-369	-369
4673	LC124_ULS_NL6b=Linesmen_Dir=-45	CP	0	-422	-422
4674	LC124_ULS_NL6b=Linesmen_Dir=-45	CX	0	-422	-422
4675	LC124_ULS_NL6b=Linesmen_Dir=-45	CXY	0	-422	-422
4676	LC124_ULS_NL6b=Linesmen_Dir=-45	CY	0	-422	-422
4677	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10S	0	-213	-213
4678	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10X	0	-213	-213
4679	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10XY	0	-213	-213
4680	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10Y	0	-213	-213
4681	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1P	0	-110	-110
4682	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1X	0	-110	-110
4683	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1XY	0	-110	-110
4684	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1Y	0	-110	-110
4685	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12S	0	-125	-125
4686	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12X	0	-125	-125
4687	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12XY	0	-125	-125
4688	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12Y	0	-125	-125
4689	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1P	0	-112	-112
4690	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1X	0	-112	-112
4691	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1XY	0	-112	-112
4692	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1Y	0	-112	-112
4693	LC124_ULS_NL6b=Linesmen_Dir=-45	DP	0	-95	-95
4694	LC124_ULS_NL6b=Linesmen_Dir=-45	DX	0	-95	-95
4695	LC124_ULS_NL6b=Linesmen_Dir=-45	DXY	0	-95	-95
4696	LC124_ULS_NL6b=Linesmen_Dir=-45	DY	0	-95	-95
4697	LC124_ULS_NL6b=Linesmen_Dir=-45	TopP	0	-90	-90

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4698	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F1A	0	0	0
4699	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F2A	0	0	0
4700	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F3A	702	-670	2121
4701	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F4A	702	-670	2121
4702	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F1A	0	0	0
4703	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F2A	702	-670	2121
4704	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F1A	0	0	0
4705	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F2A	497	-650	2149
4706	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E2F1A	497	-650	2149
4707	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F1B	1000	-6007	-7652
4708	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F2B	1000	-6007	-7652
4709	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F3B	1000	-6007	-7652
4710	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F4B	1000	-6007	-7652
4711	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F1B	1000	-6007	-7652
4712	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F2B	1000	-6007	-7652
4713	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F1B	707	-4974	-6337
4714	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F2B	707	-4974	-6337
4715	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E2F1B	0	0	0
4716	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5S	0	-1253	-1253
4717	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5X	0	-1253	-1253
4718	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5XY	0	-1253	-1253
4719	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5Y	0	-1253	-1253
4720	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CP	0	-1431	-1431
4721	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CX	0	-1431	-1431
4722	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CXY	0	-1431	-1431
4723	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CY	0	-1431	-1431
4724	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10S	0	-724	-724
4725	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10X	0	-724	-724
4726	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10XY	0	-724	-724
4727	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10Y	0	-724	-724
4728	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1P	0	-374	-374
4729	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1X	0	-374	-374
4730	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1XY	0	-374	-374
4731	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1Y	0	-374	-374
4732	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12S	0	-425	-425
4733	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12X	0	-425	-425
4734	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12XY	0	-425	-425
4735	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12Y	0	-425	-425
4736	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1P	0	-381	-381
4737	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1X	0	-381	-381
4738	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1XY	0	-381	-381
4739	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1Y	0	-381	-381
4740	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DP	0	-323	-323
4741	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DX	0	-323	-323
4742	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DXY	0	-323	-323
4743	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DY	0	-323	-323
4744	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4745	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F1A	0	0	0
4746	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F2A	0	0	0
4747	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F3A	984	-1322	4741
4748	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F4A	984	-1322	4741
4749	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F1A	0	0	0
4750	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F2A	984	-1322	4741
4751	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F1A	0	0	0
4752	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F2A	754	-1448	5288
4753	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E2F1A	754	-1448	5288
4754	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F1B	1400	-12335	-15752
4755	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F2B	1400	-12335	-15752
4756	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F3B	1400	-12335	-15752
4757	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F4B	1400	-12335	-15752
4758	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F1B	1400	-12335	-15752
4759	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F2B	1400	-12335	-15752
4760	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F1B	1073	-11304	-14435
4761	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F2B	1073	-11304	-14435
4762	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E2F1B	0	0	0
4763	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5S	0	-578	-578
4764	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5X	0	-578	-578
4765	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5XY	0	-578	-578
4766	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5Y	0	-578	-578
4767	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CP	0	-660	-660
4768	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CX	0	-660	-660
4769	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CXY	0	-660	-660
4770	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CY	0	-660	-660
4771	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10S	0	-334	-334
4772	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10X	0	-334	-334
4773	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10XY	0	-334	-334
4774	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10Y	0	-334	-334
4775	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1P	0	-173	-173
4776	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1X	0	-173	-173
4777	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1XY	0	-173	-173
4778	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1Y	0	-173	-173
4779	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12S	0	-196	-196
4780	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12X	0	-196	-196
4781	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12XY	0	-196	-196
4782	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12Y	0	-196	-196
4783	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1P	0	-176	-176
4784	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1X	0	-176	-176
4785	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1XY	0	-176	-176
4786	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1Y	0	-176	-176
4787	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DP	0	-149	-149
4788	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DX	0	-149	-149
4789	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DXY	0	-149	-149
4790	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DY	0	-149	-149
4791	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4792	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F1A	0	0	0
4793	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F2A	0	0	0
4794	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F3A	702	-674	2529
4795	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F4A	702	-674	2529
4796	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F1A	0	0	0
4797	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F2A	702	-674	2529
4798	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F1A	0	0	0
4799	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F2A	497	-779	2981
4800	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E2F1A	497	-779	2981
4801	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F1B	1000	-6588	-8420
4802	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F2B	1000	-6588	-8420
4803	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F3B	1000	-6588	-8420
4804	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F4B	1000	-6588	-8420
4805	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F1B	1000	-6588	-8420
4806	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F2B	1000	-6588	-8420
4807	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F1B	707	-5534	-7074
4808	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F2B	707	-5534	-7074
4809	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E2F1B	0	0	0
4810	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5S	0	-385	-385
4811	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5X	0	-385	-385
4812	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5XY	0	-385	-385
4813	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5Y	0	-385	-385
4814	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CP	0	-440	-440
4815	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CX	0	-440	-440
4816	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CXY	0	-440	-440
4817	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CY	0	-440	-440
4818	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10S	0	-223	-223
4819	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10X	0	-223	-223
4820	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10XY	0	-223	-223
4821	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10Y	0	-223	-223
4822	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1P	0	-115	-115
4823	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1X	0	-115	-115
4824	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1XY	0	-115	-115
4825	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1Y	0	-115	-115
4826	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12S	0	-131	-131
4827	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12X	0	-131	-131
4828	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12XY	0	-131	-131
4829	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12Y	0	-131	-131
4830	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1P	0	-117	-117
4831	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1X	0	-117	-117
4832	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1XY	0	-117	-117
4833	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1Y	0	-117	-117
4834	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DP	0	-99	-99
4835	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DX	0	-99	-99
4836	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DXY	0	-99	-99
4837	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DY	0	-99	-99
4838	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4839	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F1A	0	0	0
4840	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F2A	0	0	0
4841	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F3A	1053	-702	2639
4842	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F4A	1053	-702	2639
4843	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F1A	0	0	0
4844	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F2A	1053	-702	2639
4845	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F1A	0	0	0
4846	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F2A	746	-713	2717
4847	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E2F1A	746	-713	2717
4848	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F1B	1500	-7298	-9330
4849	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F2B	1500	-7298	-9330
4850	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F3B	1500	-7298	-9330
4851	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F4B	1500	-7298	-9330
4852	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F1B	1500	-7298	-9330
4853	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F2B	1500	-7298	-9330
4854	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F1B	1061	-6056	-7742
4855	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F2B	1061	-6056	-7742
4856	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E2F1B	0	0	0
4857	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5S	0	-385	-385
4858	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5X	0	-385	-385
4859	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5XY	0	-385	-385
4860	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5Y	0	-385	-385
4861	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CP	0	-440	-440
4862	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CX	0	-440	-440
4863	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CXY	0	-440	-440
4864	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CY	0	-440	-440
4865	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10S	0	-223	-223
4866	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10X	0	-223	-223
4867	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10XY	0	-223	-223
4868	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10Y	0	-223	-223
4869	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1P	0	-115	-115
4870	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1X	0	-115	-115
4871	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1XY	0	-115	-115
4872	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1Y	0	-115	-115
4873	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12S	0	-131	-131
4874	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12X	0	-131	-131
4875	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12XY	0	-131	-131
4876	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12Y	0	-131	-131
4877	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1P	0	-117	-117
4878	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1X	0	-117	-117
4879	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1XY	0	-117	-117
4880	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1Y	0	-117	-117
4881	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DP	0	-99	-99
4882	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DX	0	-99	-99
4883	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DXY	0	-99	-99
4884	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DY	0	-99	-99
4885	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4886	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F1A	1800	0	0
4887	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F2A	1800	0	0
4888	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F3A	2853	-702	2639
4889	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F4A	2853	-702	2639
4890	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F1A	1800	0	0
4891	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F2A	2853	-702	2639
4892	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F1A	1800	0	0
4893	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F2A	2546	-713	2717
4894	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E2F1A	2546	-713	2717
4895	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F1B	1500	-7298	-9330
4896	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F2B	1500	-7298	-9330
4897	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F3B	1500	-7298	-9330
4898	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F4B	1500	-7298	-9330
4899	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F1B	1500	-7298	-9330
4900	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F2B	1500	-7298	-9330
4901	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F1B	1061	-6056	-7742
4902	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F2B	1061	-6056	-7742
4903	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E2F1B	0	0	0
4904	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5S	0	-385	-385
4905	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5X	0	-385	-385
4906	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5XY	0	-385	-385
4907	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5Y	0	-385	-385
4908	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CP	0	-440	-440
4909	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CX	0	-440	-440
4910	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CXY	0	-440	-440
4911	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CY	0	-440	-440
4912	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10S	0	-223	-223
4913	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10X	0	-223	-223
4914	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10XY	0	-223	-223
4915	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10Y	0	-223	-223
4916	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1P	0	-115	-115
4917	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1X	0	-115	-115
4918	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1XY	0	-115	-115
4919	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1Y	0	-115	-115
4920	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12S	0	-131	-131
4921	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12X	0	-131	-131
4922	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12XY	0	-131	-131
4923	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12Y	0	-131	-131
4924	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1P	0	-117	-117
4925	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1X	0	-117	-117
4926	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1XY	0	-117	-117
4927	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1Y	0	-117	-117
4928	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DP	0	-99	-99
4929	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DX	0	-99	-99
4930	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DXY	0	-99	-99
4931	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DY	0	-99	-99
4932	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4933	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F1A	702	-2225	990
4934	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F2A	702	-2225	990
4935	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F3A	0	0	0
4936	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F4A	0	0	0
4937	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F1A	702	-2225	990
4938	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F2A	0	0	0
4939	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F1A	497	-2246	1037
4940	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F2A	0	0	0
4941	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E2F1A	0	0	0
4942	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F1B	1000	-6007	-7652
4943	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F2B	1000	-6007	-7652
4944	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F3B	1000	-6007	-7652
4945	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F4B	1000	-6007	-7652
4946	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F1B	1000	-6007	-7652
4947	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F2B	1000	-6007	-7652
4948	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F1B	707	-4974	-6337
4949	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F2B	707	-4974	-6337
4950	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E2F1B	497	-2246	1037
4951	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5S	0	-1253	-1253
4952	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5X	0	-1253	-1253
4953	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5XY	0	-1253	-1253
4954	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5Y	0	-1253	-1253
4955	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CP	0	-1431	-1431
4956	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CX	0	-1431	-1431
4957	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CXY	0	-1431	-1431
4958	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CY	0	-1431	-1431
4959	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10S	0	-724	-724
4960	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10X	0	-724	-724
4961	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10XY	0	-724	-724
4962	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10Y	0	-724	-724
4963	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1P	0	-374	-374
4964	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1X	0	-374	-374
4965	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1XY	0	-374	-374
4966	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1Y	0	-374	-374
4967	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12S	0	-425	-425
4968	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12X	0	-425	-425
4969	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12XY	0	-425	-425
4970	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12Y	0	-425	-425
4971	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1P	0	-381	-381
4972	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1X	0	-381	-381
4973	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1XY	0	-381	-381
4974	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1Y	0	-381	-381
4975	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DP	0	-323	-323
4976	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DX	0	-323	-323
4977	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DXY	0	-323	-323
4978	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DY	0	-323	-323
4979	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4980	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F1A	984	-4807	2364
4981	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F2A	984	-4807	2364
4982	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F3A	0	0	0
4983	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F4A	0	0	0
4984	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F1A	984	-4807	2364
4985	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F2A	0	0	0
4986	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F1A	754	-5328	2655
4987	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F2A	0	0	0
4988	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E2F1A	0	0	0
4989	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F1B	1400	-12335	-15752
4990	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F2B	1400	-12335	-15752
4991	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F3B	1400	-12335	-15752
4992	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F4B	1400	-12335	-15752
4993	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F1B	1400	-12335	-15752
4994	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F2B	1400	-12335	-15752
4995	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F1B	1073	-11304	-14435
4996	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F2B	1073	-11304	-14435
4997	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E2F1B	754	-5328	2655
4998	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5S	0	-578	-578
4999	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5X	0	-578	-578
5000	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5XY	0	-578	-578
5001	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5Y	0	-578	-578
5002	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CP	0	-660	-660
5003	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CX	0	-660	-660
5004	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CXY	0	-660	-660
5005	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CY	0	-660	-660
5006	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10S	0	-334	-334
5007	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10X	0	-334	-334
5008	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10XY	0	-334	-334
5009	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10Y	0	-334	-334
5010	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1P	0	-173	-173
5011	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1X	0	-173	-173
5012	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1XY	0	-173	-173
5013	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1Y	0	-173	-173
5014	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12S	0	-196	-196
5015	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12X	0	-196	-196
5016	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12XY	0	-196	-196
5017	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12Y	0	-196	-196
5018	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1P	0	-176	-176
5019	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1X	0	-176	-176
5020	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1XY	0	-176	-176
5021	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1Y	0	-176	-176
5022	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DP	0	-149	-149
5023	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DX	0	-149	-149
5024	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DXY	0	-149	-149
5025	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DY	0	-149	-149
5026	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5027	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F1A	702	-2635	1341
5028	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F2A	702	-2635	1341
5029	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F3A	0	0	0
5030	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F4A	0	0	0
5031	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F1A	702	-2635	1341
5032	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F2A	0	0	0
5033	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F1A	497	-2908	1498
5034	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F2A	0	0	0
5035	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E2F1A	0	0	0
5036	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F1B	1000	-6588	-8420
5037	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F2B	1000	-6588	-8420
5038	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F3B	1000	-6588	-8420
5039	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F4B	1000	-6588	-8420
5040	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F1B	1000	-6588	-8420
5041	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F2B	1000	-6588	-8420
5042	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F1B	707	-5534	-7074
5043	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F2B	707	-5534	-7074
5044	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E2F1B	497	-2908	1498
5045	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5S	0	-385	-385
5046	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5X	0	-385	-385
5047	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5XY	0	-385	-385
5048	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5Y	0	-385	-385
5049	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CP	0	-440	-440
5050	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CX	0	-440	-440
5051	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CXY	0	-440	-440
5052	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CY	0	-440	-440
5053	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10S	0	-223	-223
5054	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10X	0	-223	-223
5055	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10XY	0	-223	-223
5056	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10Y	0	-223	-223
5057	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1P	0	-115	-115
5058	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1X	0	-115	-115
5059	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1XY	0	-115	-115
5060	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1Y	0	-115	-115
5061	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12S	0	-131	-131
5062	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12X	0	-131	-131
5063	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12XY	0	-131	-131
5064	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12Y	0	-131	-131
5065	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1P	0	-117	-117
5066	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1X	0	-117	-117
5067	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1XY	0	-117	-117
5068	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1Y	0	-117	-117
5069	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DP	0	-99	-99
5070	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DX	0	-99	-99
5071	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DXY	0	-99	-99
5072	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DY	0	-99	-99
5073	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5074	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F1A	1053	-2673	1362
5075	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F2A	1053	-2673	1362
5076	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F3A	0	0	0
5077	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F4A	0	0	0
5078	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F1A	1053	-2673	1362
5079	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F2A	0	0	0
5080	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F1A	746	-2740	1409
5081	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F2A	0	0	0
5082	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E2F1A	0	0	0
5083	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F1B	1500	-7298	-9330
5084	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F2B	1500	-7298	-9330
5085	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F3B	1500	-7298	-9330
5086	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F4B	1500	-7298	-9330
5087	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F1B	1500	-7298	-9330
5088	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F2B	1500	-7298	-9330
5089	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F1B	1061	-6056	-7742
5090	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F2B	1061	-6056	-7742
5091	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E2F1B	746	-2740	1409
5092	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5S	0	-385	-385
5093	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5X	0	-385	-385
5094	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5XY	0	-385	-385
5095	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5Y	0	-385	-385
5096	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CP	0	-440	-440
5097	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CX	0	-440	-440
5098	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CXY	0	-440	-440
5099	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CY	0	-440	-440
5100	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10S	0	-223	-223
5101	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10X	0	-223	-223
5102	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10XY	0	-223	-223
5103	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10Y	0	-223	-223
5104	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1P	0	-115	-115
5105	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1X	0	-115	-115
5106	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1XY	0	-115	-115
5107	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1Y	0	-115	-115
5108	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12S	0	-131	-131
5109	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12X	0	-131	-131
5110	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12XY	0	-131	-131
5111	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12Y	0	-131	-131
5112	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1P	0	-117	-117
5113	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1X	0	-117	-117
5114	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1XY	0	-117	-117
5115	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1Y	0	-117	-117
5116	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DP	0	-99	-99
5117	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DX	0	-99	-99
5118	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DXY	0	-99	-99
5119	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DY	0	-99	-99
5120	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5121	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F1A	2853	-2673	1362
5122	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F2A	2853	-2673	1362
5123	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F3A	1800	0	0
5124	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F4A	1800	0	0
5125	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F1A	2853	-2673	1362
5126	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F2A	1800	0	0
5127	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F1A	2546	-2740	1409
5128	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F2A	1800	0	0
5129	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E2F1A	1800	0	0
5130	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F1B	1500	-7298	-9330
5131	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F2B	1500	-7298	-9330
5132	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F3B	1500	-7298	-9330
5133	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F4B	1500	-7298	-9330
5134	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F1B	1500	-7298	-9330
5135	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F2B	1500	-7298	-9330
5136	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F1B	1061	-6056	-7742
5137	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F2B	1061	-6056	-7742
5138	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E2F1B	746	-2740	1409
5139	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5S	0	-385	-385
5140	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5X	0	-385	-385
5141	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5XY	0	-385	-385
5142	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5Y	0	-385	-385
5143	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CP	0	-440	-440
5144	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CX	0	-440	-440
5145	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CXY	0	-440	-440
5146	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CY	0	-440	-440
5147	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10S	0	-223	-223
5148	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10X	0	-223	-223
5149	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10XY	0	-223	-223
5150	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10Y	0	-223	-223
5151	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1P	0	-115	-115
5152	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1X	0	-115	-115
5153	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1XY	0	-115	-115
5154	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1Y	0	-115	-115
5155	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12S	0	-131	-131
5156	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12X	0	-131	-131
5157	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12XY	0	-131	-131
5158	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12Y	0	-131	-131
5159	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1P	0	-117	-117
5160	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1X	0	-117	-117
5161	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1XY	0	-117	-117
5162	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1Y	0	-117	-117
5163	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DP	0	-99	-99
5164	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DX	0	-99	-99
5165	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DXY	0	-99	-99
5166	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DY	0	-99	-99
5167	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5168	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F1A	702	-2225	990
5169	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F2A	702	-2225	990
5170	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F3A	702	-670	2121
5171	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F4A	702	-670	2121
5172	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F1A	702	-2225	990
5173	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F2A	702	-670	2121
5174	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F1A	497	-2246	1037
5175	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F2A	497	-650	2149
5176	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E2F1A	497	-650	2149
5177	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F1B	0	0	0
5178	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F2B	0	0	0
5179	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F3B	1000	-6007	-7652
5180	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F4B	1000	-6007	-7652
5181	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F1B	0	0	0
5182	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F2B	1000	-6007	-7652
5183	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F1B	0	0	0
5184	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F2B	707	-4974	-6337
5185	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E2F1B	497	-2246	1037
5186	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5S	0	-1253	-1253
5187	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5X	0	-1253	-1253
5188	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5XY	0	-1253	-1253
5189	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5Y	0	-1253	-1253
5190	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CP	0	-1431	-1431
5191	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CX	0	-1431	-1431
5192	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CXY	0	-1431	-1431
5193	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CY	0	-1431	-1431
5194	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10S	0	-724	-724
5195	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10X	0	-724	-724
5196	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10XY	0	-724	-724
5197	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10Y	0	-724	-724
5198	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1P	0	-374	-374
5199	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1X	0	-374	-374
5200	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1XY	0	-374	-374
5201	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1Y	0	-374	-374
5202	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12S	0	-425	-425
5203	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12X	0	-425	-425
5204	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12XY	0	-425	-425
5205	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12Y	0	-425	-425
5206	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1P	0	-381	-381
5207	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1X	0	-381	-381
5208	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1XY	0	-381	-381
5209	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1Y	0	-381	-381
5210	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DP	0	-323	-323
5211	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DX	0	-323	-323
5212	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DXY	0	-323	-323
5213	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DY	0	-323	-323
5214	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5215	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F1A	984	-4807	2364
5216	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F2A	984	-4807	2364
5217	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F3A	984	-1322	4741
5218	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F4A	984	-1322	4741
5219	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F1A	984	-4807	2364
5220	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F2A	984	-1322	4741
5221	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F1A	754	-5328	2655
5222	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F2A	754	-1448	5288
5223	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E2F1A	754	-1448	5288
5224	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F1B	0	0	0
5225	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F2B	0	0	0
5226	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F3B	1400	-12335	-15752
5227	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F4B	1400	-12335	-15752
5228	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F1B	0	0	0
5229	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F2B	1400	-12335	-15752
5230	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F1B	0	0	0
5231	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F2B	1073	-11304	-14435
5232	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E2F1B	754	-5328	2655
5233	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5S	0	-578	-578
5234	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5X	0	-578	-578
5235	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5XY	0	-578	-578
5236	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5Y	0	-578	-578
5237	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CP	0	-660	-660
5238	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CX	0	-660	-660
5239	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CXY	0	-660	-660
5240	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CY	0	-660	-660
5241	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10S	0	-334	-334
5242	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10X	0	-334	-334
5243	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10XY	0	-334	-334
5244	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10Y	0	-334	-334
5245	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1P	0	-173	-173
5246	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1X	0	-173	-173
5247	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1XY	0	-173	-173
5248	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1Y	0	-173	-173
5249	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12S	0	-196	-196
5250	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12X	0	-196	-196
5251	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12XY	0	-196	-196
5252	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12Y	0	-196	-196
5253	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1P	0	-176	-176
5254	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1X	0	-176	-176
5255	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1XY	0	-176	-176
5256	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1Y	0	-176	-176
5257	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DP	0	-149	-149
5258	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DX	0	-149	-149
5259	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DXY	0	-149	-149
5260	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DY	0	-149	-149
5261	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5262	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F1A	702	-2635	1341
5263	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F2A	702	-2635	1341
5264	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F3A	702	-674	2529
5265	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F4A	702	-674	2529
5266	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F1A	702	-2635	1341
5267	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F2A	702	-674	2529
5268	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F1A	497	-2908	1498
5269	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F2A	497	-779	2981
5270	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E2F1A	497	-779	2981
5271	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F1B	0	0	0
5272	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F2B	0	0	0
5273	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F3B	1000	-6588	-8420
5274	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F4B	1000	-6588	-8420
5275	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F1B	0	0	0
5276	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F2B	1000	-6588	-8420
5277	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F1B	0	0	0
5278	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F2B	707	-5534	-7074
5279	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E2F1B	497	-2908	1498
5280	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5S	0	-385	-385
5281	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5X	0	-385	-385
5282	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5XY	0	-385	-385
5283	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5Y	0	-385	-385
5284	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CP	0	-440	-440
5285	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CX	0	-440	-440
5286	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CXY	0	-440	-440
5287	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CY	0	-440	-440
5288	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10S	0	-223	-223
5289	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10X	0	-223	-223
5290	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10XY	0	-223	-223
5291	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10Y	0	-223	-223
5292	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1P	0	-115	-115
5293	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1X	0	-115	-115
5294	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1XY	0	-115	-115
5295	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1Y	0	-115	-115
5296	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12S	0	-131	-131
5297	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12X	0	-131	-131
5298	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12XY	0	-131	-131
5299	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12Y	0	-131	-131
5300	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1P	0	-117	-117
5301	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1X	0	-117	-117
5302	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1XY	0	-117	-117
5303	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1Y	0	-117	-117
5304	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DP	0	-99	-99
5305	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DX	0	-99	-99
5306	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DXY	0	-99	-99
5307	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DY	0	-99	-99
5308	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5309	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F1A	1053	-2673	1362
5310	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F2A	1053	-2673	1362
5311	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F3A	1053	-702	2639
5312	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F4A	1053	-702	2639
5313	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F1A	1053	-2673	1362
5314	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F2A	1053	-702	2639
5315	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F1A	746	-2740	1409
5316	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F2A	746	-713	2717
5317	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E2F1A	746	-713	2717
5318	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F1B	0	0	0
5319	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F2B	0	0	0
5320	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F3B	1500	-7298	-9330
5321	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F4B	1500	-7298	-9330
5322	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F1B	0	0	0
5323	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F2B	1500	-7298	-9330
5324	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F1B	0	0	0
5325	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F2B	1061	-6056	-7742
5326	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E2F1B	746	-2740	1409
5327	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5S	0	-385	-385
5328	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5X	0	-385	-385
5329	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5XY	0	-385	-385
5330	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5Y	0	-385	-385
5331	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CP	0	-440	-440
5332	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CX	0	-440	-440
5333	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CXY	0	-440	-440
5334	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CY	0	-440	-440
5335	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10S	0	-223	-223
5336	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10X	0	-223	-223
5337	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10XY	0	-223	-223
5338	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10Y	0	-223	-223
5339	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1P	0	-115	-115
5340	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1X	0	-115	-115
5341	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1XY	0	-115	-115
5342	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1Y	0	-115	-115
5343	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12S	0	-131	-131
5344	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12X	0	-131	-131
5345	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12XY	0	-131	-131
5346	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12Y	0	-131	-131
5347	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1P	0	-117	-117
5348	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1X	0	-117	-117
5349	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1XY	0	-117	-117
5350	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1Y	0	-117	-117
5351	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DP	0	-99	-99
5352	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DX	0	-99	-99
5353	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DXY	0	-99	-99
5354	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DY	0	-99	-99
5355	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5356	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F1A	2853	-2673	1362
5357	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F2A	2853	-2673	1362
5358	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F3A	2853	-702	2639
5359	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F4A	2853	-702	2639
5360	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F1A	2853	-2673	1362
5361	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F2A	2853	-702	2639
5362	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F1A	2546	-2740	1409
5363	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F2A	2546	-713	2717
5364	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E2F1A	2546	-713	2717
5365	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F1B	0	0	0
5366	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F2B	0	0	0
5367	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F3B	1500	-7298	-9330
5368	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F4B	1500	-7298	-9330
5369	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F1B	0	0	0
5370	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F2B	1500	-7298	-9330
5371	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F1B	0	0	0
5372	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F2B	1061	-6056	-7742
5373	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E2F1B	746	-2740	1409
5374	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5S	0	-385	-385
5375	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5X	0	-385	-385
5376	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5XY	0	-385	-385
5377	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5Y	0	-385	-385
5378	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CP	0	-440	-440
5379	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CX	0	-440	-440
5380	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CXY	0	-440	-440
5381	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CY	0	-440	-440
5382	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10S	0	-223	-223
5383	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10X	0	-223	-223
5384	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10XY	0	-223	-223
5385	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10Y	0	-223	-223
5386	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1P	0	-115	-115
5387	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1X	0	-115	-115
5388	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1XY	0	-115	-115
5389	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1Y	0	-115	-115
5390	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12S	0	-131	-131
5391	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12X	0	-131	-131
5392	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12XY	0	-131	-131
5393	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12Y	0	-131	-131
5394	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1P	0	-117	-117
5395	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1X	0	-117	-117
5396	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1XY	0	-117	-117
5397	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1Y	0	-117	-117
5398	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DP	0	-99	-99
5399	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DX	0	-99	-99
5400	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DXY	0	-99	-99
5401	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DY	0	-99	-99
5402	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5403	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F1A	702	-2225	990
5404	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F2A	702	-2225	990
5405	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F3A	702	-670	2121
5406	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F4A	702	-670	2121
5407	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F1A	702	-2225	990
5408	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F2A	702	-670	2121
5409	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F1A	497	-2246	1037
5410	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F2A	497	-650	2149
5411	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E2F1A	497	-650	2149
5412	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F1B	1000	-6007	-7652
5413	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F2B	1000	-6007	-7652
5414	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F3B	0	0	0
5415	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F4B	0	0	0
5416	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F1B	1000	-6007	-7652
5417	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F2B	0	0	0
5418	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F1B	707	-4974	-6337
5419	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F2B	0	0	0
5420	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E2F1B	497	-2246	1037
5421	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5S	0	-1253	-1253
5422	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5X	0	-1253	-1253
5423	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5XY	0	-1253	-1253
5424	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5Y	0	-1253	-1253
5425	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CP	0	-1431	-1431
5426	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CX	0	-1431	-1431
5427	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CXY	0	-1431	-1431
5428	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CY	0	-1431	-1431
5429	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10S	0	-724	-724
5430	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10X	0	-724	-724
5431	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10XY	0	-724	-724
5432	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10Y	0	-724	-724
5433	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1P	0	-374	-374
5434	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1X	0	-374	-374
5435	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1XY	0	-374	-374
5436	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1Y	0	-374	-374
5437	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12S	0	-425	-425
5438	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12X	0	-425	-425
5439	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12XY	0	-425	-425
5440	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12Y	0	-425	-425
5441	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1P	0	-381	-381
5442	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1X	0	-381	-381
5443	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1XY	0	-381	-381
5444	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1Y	0	-381	-381
5445	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DP	0	-323	-323
5446	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DX	0	-323	-323
5447	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DXY	0	-323	-323
5448	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DY	0	-323	-323
5449	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5450	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F1A	984	-4807	2364
5451	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F2A	984	-4807	2364
5452	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F3A	984	-1322	4741
5453	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F4A	984	-1322	4741
5454	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F1A	984	-4807	2364
5455	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F2A	984	-1322	4741
5456	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F1A	754	-5328	2655
5457	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F2A	754	-1448	5288
5458	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E2F1A	754	-1448	5288
5459	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F1B	1400	-12335	-15752
5460	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F2B	1400	-12335	-15752
5461	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F3B	0	0	0
5462	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F4B	0	0	0
5463	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F1B	1400	-12335	-15752
5464	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F2B	0	0	0
5465	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F1B	1073	-11304	-14435
5466	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F2B	0	0	0
5467	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E2F1B	754	-5328	2655
5468	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5S	0	-578	-578
5469	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5X	0	-578	-578
5470	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5XY	0	-578	-578
5471	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5Y	0	-578	-578
5472	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CP	0	-660	-660
5473	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CX	0	-660	-660
5474	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CXY	0	-660	-660
5475	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CY	0	-660	-660
5476	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10S	0	-334	-334
5477	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10X	0	-334	-334
5478	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10XY	0	-334	-334
5479	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10Y	0	-334	-334
5480	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1P	0	-173	-173
5481	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1X	0	-173	-173
5482	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1XY	0	-173	-173
5483	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1Y	0	-173	-173
5484	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12S	0	-196	-196
5485	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12X	0	-196	-196
5486	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12XY	0	-196	-196
5487	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12Y	0	-196	-196
5488	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1P	0	-176	-176
5489	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1X	0	-176	-176
5490	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1XY	0	-176	-176
5491	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1Y	0	-176	-176
5492	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DP	0	-149	-149
5493	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DX	0	-149	-149
5494	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DXY	0	-149	-149
5495	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DY	0	-149	-149
5496	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5497	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F1A	702	-2635	1341
5498	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F2A	702	-2635	1341
5499	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F3A	702	-674	2529
5500	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F4A	702	-674	2529
5501	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F1A	702	-2635	1341
5502	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F2A	702	-674	2529
5503	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F1A	497	-2908	1498
5504	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F2A	497	-779	2981
5505	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E2F1A	497	-779	2981
5506	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F1B	1000	-6588	-8420
5507	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F2B	1000	-6588	-8420
5508	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F3B	0	0	0
5509	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F4B	0	0	0
5510	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F1B	1000	-6588	-8420
5511	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F2B	0	0	0
5512	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F1B	707	-5534	-7074
5513	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F2B	0	0	0
5514	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E2F1B	497	-2908	1498
5515	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5S	0	-385	-385
5516	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5X	0	-385	-385
5517	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5XY	0	-385	-385
5518	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5Y	0	-385	-385
5519	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CP	0	-440	-440
5520	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CX	0	-440	-440
5521	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CXY	0	-440	-440
5522	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CY	0	-440	-440
5523	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10S	0	-223	-223
5524	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10X	0	-223	-223
5525	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10XY	0	-223	-223
5526	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10Y	0	-223	-223
5527	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1P	0	-115	-115
5528	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1X	0	-115	-115
5529	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1XY	0	-115	-115
5530	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1Y	0	-115	-115
5531	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12S	0	-131	-131
5532	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12X	0	-131	-131
5533	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12XY	0	-131	-131
5534	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12Y	0	-131	-131
5535	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1P	0	-117	-117
5536	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1X	0	-117	-117
5537	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1XY	0	-117	-117
5538	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1Y	0	-117	-117
5539	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DP	0	-99	-99
5540	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DX	0	-99	-99
5541	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DXY	0	-99	-99
5542	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DY	0	-99	-99
5543	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5544	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F1A	1053	-2673	1362
5545	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F2A	1053	-2673	1362
5546	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F3A	1053	-702	2639
5547	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F4A	1053	-702	2639
5548	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F1A	1053	-2673	1362
5549	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F2A	1053	-702	2639
5550	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F1A	746	-2740	1409
5551	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F2A	746	-713	2717
5552	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E2F1A	746	-713	2717
5553	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F1B	1500	-7298	-9330
5554	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F2B	1500	-7298	-9330
5555	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F3B	0	0	0
5556	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F4B	0	0	0
5557	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F1B	1500	-7298	-9330
5558	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F2B	0	0	0
5559	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F1B	1061	-6056	-7742
5560	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F2B	0	0	0
5561	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E2F1B	746	-2740	1409
5562	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5S	0	-385	-385
5563	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5X	0	-385	-385
5564	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5XY	0	-385	-385
5565	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5Y	0	-385	-385
5566	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CP	0	-440	-440
5567	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CX	0	-440	-440
5568	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CXY	0	-440	-440
5569	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CY	0	-440	-440
5570	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10S	0	-223	-223
5571	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10X	0	-223	-223
5572	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10XY	0	-223	-223
5573	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10Y	0	-223	-223
5574	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1P	0	-115	-115
5575	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1X	0	-115	-115
5576	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1XY	0	-115	-115
5577	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1Y	0	-115	-115
5578	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12S	0	-131	-131
5579	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12X	0	-131	-131
5580	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12XY	0	-131	-131
5581	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12Y	0	-131	-131
5582	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1P	0	-117	-117
5583	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1X	0	-117	-117
5584	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1XY	0	-117	-117
5585	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1Y	0	-117	-117
5586	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DP	0	-99	-99
5587	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DX	0	-99	-99
5588	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DXY	0	-99	-99
5589	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DY	0	-99	-99
5590	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5591	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F1A	2853	-2673	1362
5592	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F2A	2853	-2673	1362
5593	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F3A	2853	-702	2639
5594	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F4A	2853	-702	2639
5595	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F1A	2853	-2673	1362
5596	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F2A	2853	-702	2639
5597	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F1A	2546	-2740	1409
5598	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F2A	2546	-713	2717
5599	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E2F1A	2546	-713	2717
5600	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F1B	1500	-7298	-9330
5601	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F2B	1500	-7298	-9330
5602	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F3B	0	0	0
5603	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F4B	0	0	0
5604	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F1B	1500	-7298	-9330
5605	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F2B	0	0	0
5606	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F1B	1061	-6056	-7742
5607	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F2B	0	0	0
5608	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E2F1B	746	-2740	1409
5609	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5S	0	-385	-385
5610	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5X	0	-385	-385
5611	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5XY	0	-385	-385
5612	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5Y	0	-385	-385
5613	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CP	0	-440	-440
5614	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CX	0	-440	-440
5615	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CXY	0	-440	-440
5616	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CY	0	-440	-440
5617	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10S	0	-223	-223
5618	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10X	0	-223	-223
5619	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10XY	0	-223	-223
5620	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10Y	0	-223	-223
5621	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1P	0	-115	-115
5622	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1X	0	-115	-115
5623	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1XY	0	-115	-115
5624	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1Y	0	-115	-115
5625	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12S	0	-131	-131
5626	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12X	0	-131	-131
5627	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12XY	0	-131	-131
5628	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12Y	0	-131	-131
5629	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1P	0	-117	-117
5630	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1X	0	-117	-117
5631	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1XY	0	-117	-117
5632	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1Y	0	-117	-117
5633	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DP	0	-99	-99
5634	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DX	0	-99	-99
5635	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DXY	0	-99	-99
5636	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DY	0	-99	-99
5637	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5638	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F1A	0	0	0
5639	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F2A	0	0	0
5640	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F3A	0	0	0
5641	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F4A	0	0	0
5642	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F1A	0	0	0
5643	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F2A	0	0	0
5644	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F1A	0	0	0
5645	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F2A	0	0	0
5646	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E2F1A	0	0	0
5647	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F1B	1000	-6007	-7652
5648	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F2B	1000	-6007	-7652
5649	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F3B	1000	-6007	-7652
5650	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F4B	1000	-6007	-7652
5651	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F1B	1000	-6007	-7652
5652	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F2B	1000	-6007	-7652
5653	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F1B	707	-4974	-6337
5654	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F2B	707	-4974	-6337
5655	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E2F1B	0	0	0
5656	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5S	0	-1253	-1253
5657	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5X	0	-1253	-1253
5658	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5XY	0	-1253	-1253
5659	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5Y	0	-1253	-1253
5660	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CP	0	-1431	-1431
5661	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CX	0	-1431	-1431
5662	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CXY	0	-1431	-1431
5663	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CY	0	-1431	-1431
5664	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10S	0	-724	-724
5665	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10X	0	-724	-724
5666	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10XY	0	-724	-724
5667	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10Y	0	-724	-724
5668	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1P	0	-374	-374
5669	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1X	0	-374	-374
5670	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1XY	0	-374	-374
5671	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1Y	0	-374	-374
5672	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12S	0	-425	-425
5673	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12X	0	-425	-425
5674	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12XY	0	-425	-425
5675	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12Y	0	-425	-425
5676	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1P	0	-381	-381
5677	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1X	0	-381	-381
5678	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1XY	0	-381	-381
5679	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1Y	0	-381	-381
5680	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DP	0	-323	-323
5681	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DX	0	-323	-323
5682	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DXY	0	-323	-323
5683	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DY	0	-323	-323
5684	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5685	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F1A	0	0	0
5686	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F2A	0	0	0
5687	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F3A	0	0	0
5688	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F4A	0	0	0
5689	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F1A	0	0	0
5690	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F2A	0	0	0
5691	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F1A	0	0	0
5692	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F2A	0	0	0
5693	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E2F1A	0	0	0
5694	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F1B	1400	-12335	-15752
5695	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F2B	1400	-12335	-15752
5696	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F3B	1400	-12335	-15752
5697	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F4B	1400	-12335	-15752
5698	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F1B	1400	-12335	-15752
5699	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F2B	1400	-12335	-15752
5700	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F1B	1073	-11304	-14435
5701	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F2B	1073	-11304	-14435
5702	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E2F1B	0	0	0
5703	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5S	0	-578	-578
5704	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5X	0	-578	-578
5705	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5XY	0	-578	-578
5706	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5Y	0	-578	-578
5707	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CP	0	-660	-660
5708	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CX	0	-660	-660
5709	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CXY	0	-660	-660
5710	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CY	0	-660	-660
5711	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10S	0	-334	-334
5712	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10X	0	-334	-334
5713	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10XY	0	-334	-334
5714	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10Y	0	-334	-334
5715	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1P	0	-173	-173
5716	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1X	0	-173	-173
5717	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1XY	0	-173	-173
5718	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1Y	0	-173	-173
5719	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12S	0	-196	-196
5720	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12X	0	-196	-196
5721	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12XY	0	-196	-196
5722	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12Y	0	-196	-196
5723	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1P	0	-176	-176
5724	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1X	0	-176	-176
5725	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1XY	0	-176	-176
5726	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1Y	0	-176	-176
5727	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DP	0	-149	-149
5728	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DX	0	-149	-149
5729	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DXY	0	-149	-149
5730	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DY	0	-149	-149
5731	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5732	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F1A	0	0	0
5733	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F2A	0	0	0
5734	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F3A	0	0	0
5735	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F4A	0	0	0
5736	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F1A	0	0	0
5737	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F2A	0	0	0
5738	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F1A	0	0	0
5739	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F2A	0	0	0
5740	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E2F1A	0	0	0
5741	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F1B	1000	-6588	-8420
5742	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F2B	1000	-6588	-8420
5743	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F3B	1000	-6588	-8420
5744	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F4B	1000	-6588	-8420
5745	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F1B	1000	-6588	-8420
5746	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F2B	1000	-6588	-8420
5747	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F1B	707	-5534	-7074
5748	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F2B	707	-5534	-7074
5749	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E2F1B	0	0	0
5750	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5S	0	-385	-385
5751	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5X	0	-385	-385
5752	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5XY	0	-385	-385
5753	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5Y	0	-385	-385
5754	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CP	0	-440	-440
5755	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CX	0	-440	-440
5756	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CXY	0	-440	-440
5757	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CY	0	-440	-440
5758	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10S	0	-223	-223
5759	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10X	0	-223	-223
5760	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10XY	0	-223	-223
5761	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10Y	0	-223	-223
5762	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1P	0	-115	-115
5763	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1X	0	-115	-115
5764	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1XY	0	-115	-115
5765	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1Y	0	-115	-115
5766	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12S	0	-131	-131
5767	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12X	0	-131	-131
5768	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12XY	0	-131	-131
5769	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12Y	0	-131	-131
5770	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1P	0	-117	-117
5771	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1X	0	-117	-117
5772	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1XY	0	-117	-117
5773	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1Y	0	-117	-117
5774	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DP	0	-99	-99
5775	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DX	0	-99	-99
5776	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DXY	0	-99	-99
5777	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DY	0	-99	-99
5778	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5779	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F1A	0	0	0
5780	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F2A	0	0	0
5781	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F3A	0	0	0
5782	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F4A	0	0	0
5783	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F1A	0	0	0
5784	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F2A	0	0	0
5785	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F1A	0	0	0
5786	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F2A	0	0	0
5787	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E2F1A	0	0	0
5788	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F1B	1500	-7298	-9330
5789	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F2B	1500	-7298	-9330
5790	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F3B	1500	-7298	-9330
5791	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F4B	1500	-7298	-9330
5792	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F1B	1500	-7298	-9330
5793	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F2B	1500	-7298	-9330
5794	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F1B	1061	-6056	-7742
5795	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F2B	1061	-6056	-7742
5796	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E2F1B	0	0	0
5797	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5S	0	-385	-385
5798	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5X	0	-385	-385
5799	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5XY	0	-385	-385
5800	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5Y	0	-385	-385
5801	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CP	0	-440	-440
5802	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CX	0	-440	-440
5803	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CXY	0	-440	-440
5804	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CY	0	-440	-440
5805	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10S	0	-223	-223
5806	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10X	0	-223	-223
5807	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10XY	0	-223	-223
5808	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10Y	0	-223	-223
5809	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1P	0	-115	-115
5810	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1X	0	-115	-115
5811	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1XY	0	-115	-115
5812	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1Y	0	-115	-115
5813	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12S	0	-131	-131
5814	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12X	0	-131	-131
5815	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12XY	0	-131	-131
5816	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12Y	0	-131	-131
5817	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1P	0	-117	-117
5818	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1X	0	-117	-117
5819	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1XY	0	-117	-117
5820	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1Y	0	-117	-117
5821	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DP	0	-99	-99
5822	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DX	0	-99	-99
5823	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DXY	0	-99	-99
5824	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DY	0	-99	-99
5825	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5826	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F1A	0	0	0
5827	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F2A	0	0	0
5828	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F3A	0	0	0
5829	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F4A	0	0	0
5830	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F1A	0	0	0
5831	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F2A	0	0	0
5832	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F1A	0	0	0
5833	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F2A	0	0	0
5834	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E2F1A	0	0	0
5835	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F1B	3300	-7298	-9330
5836	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F2B	3300	-7298	-9330
5837	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F3B	3300	-7298	-9330
5838	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F4B	3300	-7298	-9330
5839	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F1B	3300	-7298	-9330
5840	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F2B	3300	-7298	-9330
5841	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F1B	2861	-6056	-7742
5842	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F2B	2861	-6056	-7742
5843	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E2F1B	1800	0	0
5844	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5S	0	-385	-385
5845	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5X	0	-385	-385
5846	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5XY	0	-385	-385
5847	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5Y	0	-385	-385
5848	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CP	0	-440	-440
5849	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CX	0	-440	-440
5850	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CXY	0	-440	-440
5851	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CY	0	-440	-440
5852	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10S	0	-223	-223
5853	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10X	0	-223	-223
5854	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10XY	0	-223	-223
5855	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10Y	0	-223	-223
5856	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1P	0	-115	-115
5857	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1X	0	-115	-115
5858	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1XY	0	-115	-115
5859	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1Y	0	-115	-115
5860	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12S	0	-131	-131
5861	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12X	0	-131	-131
5862	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12XY	0	-131	-131
5863	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12Y	0	-131	-131
5864	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1P	0	-117	-117
5865	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1X	0	-117	-117
5866	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1XY	0	-117	-117
5867	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1Y	0	-117	-117
5868	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DP	0	-99	-99
5869	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DX	0	-99	-99
5870	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DXY	0	-99	-99
5871	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DY	0	-99	-99
5872	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5873	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F1A	702	-2225	990
5874	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F2A	702	-2225	990
5875	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F3A	702	-670	2121
5876	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F4A	702	-670	2121
5877	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F1A	702	-2225	990
5878	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F2A	702	-670	2121
5879	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F1A	497	-2246	1037
5880	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F2A	497	-650	2149
5881	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E2F1A	497	-650	2149
5882	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F1B	0	0	0
5883	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F2B	0	0	0
5884	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F3B	0	0	0
5885	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F4B	0	0	0
5886	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F1B	0	0	0
5887	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F2B	0	0	0
5888	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F1B	0	0	0
5889	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F2B	0	0	0
5890	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E2F1B	497	-2246	1037
5891	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5S	0	-1253	-1253
5892	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5X	0	-1253	-1253
5893	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5XY	0	-1253	-1253
5894	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5Y	0	-1253	-1253
5895	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CP	0	-1431	-1431
5896	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CX	0	-1431	-1431
5897	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CXY	0	-1431	-1431
5898	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CY	0	-1431	-1431
5899	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10S	0	-724	-724
5900	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10X	0	-724	-724
5901	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10XY	0	-724	-724
5902	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10Y	0	-724	-724
5903	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1P	0	-374	-374
5904	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1X	0	-374	-374
5905	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1XY	0	-374	-374
5906	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1Y	0	-374	-374
5907	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12S	0	-425	-425
5908	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12X	0	-425	-425
5909	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12XY	0	-425	-425
5910	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12Y	0	-425	-425
5911	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1P	0	-381	-381
5912	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1X	0	-381	-381
5913	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1XY	0	-381	-381
5914	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1Y	0	-381	-381
5915	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DP	0	-323	-323
5916	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DX	0	-323	-323
5917	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DXY	0	-323	-323
5918	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DY	0	-323	-323
5919	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5920	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F1A	984	-4807	2364
5921	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F2A	984	-4807	2364
5922	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F3A	984	-1322	4741
5923	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F4A	984	-1322	4741
5924	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F1A	984	-4807	2364
5925	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F2A	984	-1322	4741
5926	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F1A	754	-5328	2655
5927	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F2A	754	-1448	5288
5928	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E2F1A	754	-1448	5288
5929	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F1B	0	0	0
5930	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F2B	0	0	0
5931	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F3B	0	0	0
5932	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F4B	0	0	0
5933	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F1B	0	0	0
5934	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F2B	0	0	0
5935	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F1B	0	0	0
5936	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F2B	0	0	0
5937	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E2F1B	754	-5328	2655
5938	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5S	0	-578	-578
5939	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5X	0	-578	-578
5940	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5XY	0	-578	-578
5941	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5Y	0	-578	-578
5942	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CP	0	-660	-660
5943	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CX	0	-660	-660
5944	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CXY	0	-660	-660
5945	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CY	0	-660	-660
5946	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10S	0	-334	-334
5947	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10X	0	-334	-334
5948	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10XY	0	-334	-334
5949	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10Y	0	-334	-334
5950	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1P	0	-173	-173
5951	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1X	0	-173	-173
5952	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1XY	0	-173	-173
5953	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1Y	0	-173	-173
5954	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12S	0	-196	-196
5955	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12X	0	-196	-196
5956	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12XY	0	-196	-196
5957	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12Y	0	-196	-196
5958	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1P	0	-176	-176
5959	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1X	0	-176	-176
5960	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1XY	0	-176	-176
5961	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1Y	0	-176	-176
5962	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DP	0	-149	-149
5963	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DX	0	-149	-149
5964	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DXY	0	-149	-149
5965	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DY	0	-149	-149
5966	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5967	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F1A	702	-2635	1341
5968	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F2A	702	-2635	1341
5969	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F3A	702	-674	2529
5970	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F4A	702	-674	2529
5971	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F1A	702	-2635	1341
5972	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F2A	702	-674	2529
5973	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F1A	497	-2908	1498
5974	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F2A	497	-779	2981
5975	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E2F1A	497	-779	2981
5976	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F1B	0	0	0
5977	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F2B	0	0	0
5978	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F3B	0	0	0
5979	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F4B	0	0	0
5980	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F1B	0	0	0
5981	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F2B	0	0	0
5982	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F1B	0	0	0
5983	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F2B	0	0	0
5984	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E2F1B	497	-2908	1498
5985	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5S	0	-385	-385
5986	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5X	0	-385	-385
5987	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5XY	0	-385	-385
5988	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5Y	0	-385	-385
5989	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CP	0	-440	-440
5990	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CX	0	-440	-440
5991	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CXY	0	-440	-440
5992	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CY	0	-440	-440
5993	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10S	0	-223	-223
5994	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10X	0	-223	-223
5995	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10XY	0	-223	-223
5996	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10Y	0	-223	-223
5997	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1P	0	-115	-115
5998	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1X	0	-115	-115
5999	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1XY	0	-115	-115
6000	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1Y	0	-115	-115
6001	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12S	0	-131	-131
6002	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12X	0	-131	-131
6003	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12XY	0	-131	-131
6004	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12Y	0	-131	-131
6005	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1P	0	-117	-117
6006	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1X	0	-117	-117
6007	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1XY	0	-117	-117
6008	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1Y	0	-117	-117
6009	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DP	0	-99	-99
6010	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DX	0	-99	-99
6011	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DXY	0	-99	-99
6012	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DY	0	-99	-99
6013	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6014	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F1A	1053	-2673	1362
6015	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F2A	1053	-2673	1362
6016	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F3A	1053	-702	2639
6017	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F4A	1053	-702	2639
6018	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F1A	1053	-2673	1362
6019	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F2A	1053	-702	2639
6020	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F1A	746	-2740	1409
6021	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F2A	746	-713	2717
6022	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E2F1A	746	-713	2717
6023	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F1B	0	0	0
6024	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F2B	0	0	0
6025	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F3B	0	0	0
6026	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F4B	0	0	0
6027	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F1B	0	0	0
6028	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F2B	0	0	0
6029	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F1B	0	0	0
6030	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F2B	0	0	0
6031	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E2F1B	746	-2740	1409
6032	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5S	0	-385	-385
6033	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5X	0	-385	-385
6034	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5XY	0	-385	-385
6035	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5Y	0	-385	-385
6036	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CP	0	-440	-440
6037	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CX	0	-440	-440
6038	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CXY	0	-440	-440
6039	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CY	0	-440	-440
6040	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10S	0	-223	-223
6041	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10X	0	-223	-223
6042	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10XY	0	-223	-223
6043	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10Y	0	-223	-223
6044	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1P	0	-115	-115
6045	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1X	0	-115	-115
6046	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1XY	0	-115	-115
6047	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1Y	0	-115	-115
6048	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12S	0	-131	-131
6049	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12X	0	-131	-131
6050	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12XY	0	-131	-131
6051	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12Y	0	-131	-131
6052	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1P	0	-117	-117
6053	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1X	0	-117	-117
6054	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1XY	0	-117	-117
6055	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1Y	0	-117	-117
6056	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DP	0	-99	-99
6057	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DX	0	-99	-99
6058	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DXY	0	-99	-99
6059	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DY	0	-99	-99
6060	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6061	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F1A	2853	-2673	1362
6062	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F2A	2853	-2673	1362
6063	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F3A	2853	-702	2639
6064	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F4A	2853	-702	2639
6065	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F1A	2853	-2673	1362
6066	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F2A	2853	-702	2639
6067	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F1A	2546	-2740	1409
6068	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F2A	2546	-713	2717
6069	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E2F1A	2546	-713	2717
6070	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F1B	0	0	0
6071	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F2B	0	0	0
6072	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F3B	0	0	0
6073	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F4B	0	0	0
6074	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F1B	0	0	0
6075	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F2B	0	0	0
6076	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F1B	0	0	0
6077	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F2B	0	0	0
6078	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E2F1B	746	-2740	1409
6079	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5S	0	-385	-385
6080	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5X	0	-385	-385
6081	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5XY	0	-385	-385
6082	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5Y	0	-385	-385
6083	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CP	0	-440	-440
6084	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CX	0	-440	-440
6085	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CXY	0	-440	-440
6086	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CY	0	-440	-440
6087	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10S	0	-223	-223
6088	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10X	0	-223	-223
6089	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10XY	0	-223	-223
6090	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10Y	0	-223	-223
6091	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1P	0	-115	-115
6092	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1X	0	-115	-115
6093	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1XY	0	-115	-115
6094	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1Y	0	-115	-115
6095	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12S	0	-131	-131
6096	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12X	0	-131	-131
6097	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12XY	0	-131	-131
6098	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12Y	0	-131	-131
6099	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1P	0	-117	-117
6100	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1X	0	-117	-117
6101	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1XY	0	-117	-117
6102	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1Y	0	-117	-117
6103	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DP	0	-99	-99
6104	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DX	0	-99	-99
6105	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DXY	0	-99	-99
6106	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DY	0	-99	-99
6107	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6108	LC155_SeLS_NL1a=Wind_Dir=-45	C1F1A	669	-2146	893
6109	LC155_SeLS_NL1a=Wind_Dir=-45	C1F2A	669	-2146	893
6110	LC155_SeLS_NL1a=Wind_Dir=-45	C1F3A	669	-682	2009
6111	LC155_SeLS_NL1a=Wind_Dir=-45	C1F4A	669	-682	2009
6112	LC155_SeLS_NL1a=Wind_Dir=-45	C2F1A	669	-2146	893
6113	LC155_SeLS_NL1a=Wind_Dir=-45	C2F2A	669	-682	2009
6114	LC155_SeLS_NL1a=Wind_Dir=-45	E1F1A	473	-2160	947
6115	LC155_SeLS_NL1a=Wind_Dir=-45	E1F2A	473	-655	2037
6116	LC155_SeLS_NL1a=Wind_Dir=-45	E2F1A	473	-655	2037
6117	LC155_SeLS_NL1a=Wind_Dir=-45	C1F1B	952	-5726	-7283
6118	LC155_SeLS_NL1a=Wind_Dir=-45	C1F2B	952	-5726	-7283
6119	LC155_SeLS_NL1a=Wind_Dir=-45	C1F3B	952	-5726	-7283
6120	LC155_SeLS_NL1a=Wind_Dir=-45	C1F4B	952	-5726	-7283
6121	LC155_SeLS_NL1a=Wind_Dir=-45	C2F1B	952	-5726	-7283
6122	LC155_SeLS_NL1a=Wind_Dir=-45	C2F2B	952	-5726	-7283
6123	LC155_SeLS_NL1a=Wind_Dir=-45	E1F1B	674	-4742	-6031
6124	LC155_SeLS_NL1a=Wind_Dir=-45	E1F2B	674	-4742	-6031
6125	LC155_SeLS_NL1a=Wind_Dir=-45	E2F1B	473	-2160	947
6126	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5S	0	-1606	-1606
6127	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5X	0	-1606	-1606
6128	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5XY	0	-1606	-1606
6129	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5Y	0	-1606	-1606
6130	LC155_SeLS_NL1a=Wind_Dir=-45	CP	0	-1834	-1834
6131	LC155_SeLS_NL1a=Wind_Dir=-45	CX	0	-1834	-1834
6132	LC155_SeLS_NL1a=Wind_Dir=-45	CXY	0	-1834	-1834
6133	LC155_SeLS_NL1a=Wind_Dir=-45	CY	0	-1834	-1834
6134	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10S	0	-928	-928
6135	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10X	0	-928	-928
6136	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10XY	0	-928	-928
6137	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10Y	0	-928	-928
6138	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1P	0	-480	-480
6139	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1X	0	-480	-480
6140	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1XY	0	-480	-480
6141	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1Y	0	-480	-480
6142	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12S	0	-545	-545
6143	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12X	0	-545	-545
6144	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12XY	0	-545	-545
6145	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12Y	0	-545	-545
6146	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1P	0	-489	-489
6147	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1X	0	-489	-489
6148	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1XY	0	-489	-489
6149	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1Y	0	-489	-489
6150	LC155_SeLS_NL1a=Wind_Dir=-45	DP	0	-414	-414
6151	LC155_SeLS_NL1a=Wind_Dir=-45	DX	0	-414	-414
6152	LC155_SeLS_NL1a=Wind_Dir=-45	DXY	0	-414	-414
6153	LC155_SeLS_NL1a=Wind_Dir=-45	DY	0	-414	-414
6154	LC155_SeLS_NL1a=Wind_Dir=-45	TopP	0	-393	-393

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6155	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F1A	1496	-4569	2270
6156	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F2A	1496	-4569	2270
6157	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F3A	1496	-1244	4519
6158	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F4A	1496	-1244	4519
6159	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F1A	1496	-4569	2270
6160	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F2A	1496	-1244	4519
6161	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F1A	1228	-5065	2545
6162	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F2A	1228	-1365	5040
6163	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E2F1A	1228	-1365	5040
6164	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F1B	2130	-11746	-15004
6165	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F2B	2130	-11746	-15004
6166	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F3B	2130	-11746	-15004
6167	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F4B	2130	-11746	-15004
6168	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F1B	2130	-11746	-15004
6169	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F2B	2130	-11746	-15004
6170	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F1B	1748	-10764	-13749
6171	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F2B	1748	-10764	-13749
6172	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E2F1B	1228	-5065	2545
6173	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5S	0	-482	-482
6174	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5X	0	-482	-482
6175	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5XY	0	-482	-482
6176	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5Y	0	-482	-482
6177	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CP	0	-550	-550
6178	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CX	0	-550	-550
6179	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CXY	0	-550	-550
6180	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CY	0	-550	-550
6181	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10S	0	-278	-278
6182	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10X	0	-278	-278
6183	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10XY	0	-278	-278
6184	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10Y	0	-278	-278
6185	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1P	0	-144	-144
6186	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1X	0	-144	-144
6187	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1XY	0	-144	-144
6188	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1Y	0	-144	-144
6189	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12S	0	-163	-163
6190	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12X	0	-163	-163
6191	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12XY	0	-163	-163
6192	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12Y	0	-163	-163
6193	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1P	0	-147	-147
6194	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1X	0	-147	-147
6195	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1XY	0	-147	-147
6196	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1Y	0	-147	-147
6197	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DP	0	-124	-124
6198	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DX	0	-124	-124
6199	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DXY	0	-124	-124
6200	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DY	0	-124	-124
6201	LC156_SeLS_NL3=Wind+Ice_Dir=-45	TopP	0	-118	-118

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6202	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F1A	669	-2506	1283
6203	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F2A	669	-2506	1283
6204	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F3A	669	-637	2410
6205	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F4A	669	-637	2410
6206	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F1A	669	-2506	1283
6207	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F2A	669	-637	2410
6208	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F1A	473	-2767	1431
6209	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F2A	473	-738	2840
6210	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E2F1A	473	-738	2840
6211	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F1B	952	-6273	-8020
6212	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F2B	952	-6273	-8020
6213	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F3B	952	-6273	-8020
6214	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F4B	952	-6273	-8020
6215	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F1B	952	-6273	-8020
6216	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F2B	952	-6273	-8020
6217	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F1B	674	-5270	-6737
6218	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F2B	674	-5270	-6737
6219	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E2F1B	473	-2767	1431
6220	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5S	0	-321	-321
6221	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5X	0	-321	-321
6222	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5XY	0	-321	-321
6223	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5Y	0	-321	-321
6224	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CP	0	-367	-367
6225	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CX	0	-367	-367
6226	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CXY	0	-367	-367
6227	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CY	0	-367	-367
6228	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10S	0	-186	-186
6229	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10X	0	-186	-186
6230	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10XY	0	-186	-186
6231	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10Y	0	-186	-186
6232	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1P	0	-96	-96
6233	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1X	0	-96	-96
6234	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1XY	0	-96	-96
6235	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1Y	0	-96	-96
6236	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12S	0	-109	-109
6237	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12X	0	-109	-109
6238	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12XY	0	-109	-109
6239	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12Y	0	-109	-109
6240	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1P	0	-98	-98
6241	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1X	0	-98	-98
6242	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1XY	0	-98	-98
6243	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1Y	0	-98	-98
6244	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DP	0	-83	-83
6245	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DX	0	-83	-83
6246	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DXY	0	-83	-83
6247	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DY	0	-83	-83
6248	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	TopP	0	-79	-79

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6249	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F1A	1003	-2543	1303
6250	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F2A	1003	-2543	1303
6251	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F3A	1003	-663	2515
6252	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F4A	1003	-663	2515
6253	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F1A	1003	-2543	1303
6254	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F2A	1003	-663	2515
6255	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F1A	710	-2607	1346
6256	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F2A	710	-675	2588
6257	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E2F1A	710	-675	2588
6258	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F1B	1428	-6950	-8886
6259	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F2B	1428	-6950	-8886
6260	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F3B	1428	-6950	-8886
6261	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F4B	1428	-6950	-8886
6262	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F1B	1428	-6950	-8886
6263	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F2B	1428	-6950	-8886
6264	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F1B	1011	-5767	-7374
6265	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F2B	1011	-5767	-7374
6266	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E2F1B	710	-2607	1346
6267	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5S	0	-321	-321
6268	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5X	0	-321	-321
6269	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5XY	0	-321	-321
6270	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5Y	0	-321	-321
6271	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CP	0	-367	-367
6272	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CX	0	-367	-367
6273	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CXY	0	-367	-367
6274	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CY	0	-367	-367
6275	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10S	0	-186	-186
6276	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10X	0	-186	-186
6277	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10XY	0	-186	-186
6278	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10Y	0	-186	-186
6279	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1P	0	-96	-96
6280	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1X	0	-96	-96
6281	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1XY	0	-96	-96
6282	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1Y	0	-96	-96
6283	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12S	0	-109	-109
6284	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12X	0	-109	-109
6285	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12XY	0	-109	-109
6286	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12Y	0	-109	-109
6287	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1P	0	-98	-98
6288	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1X	0	-98	-98
6289	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1XY	0	-98	-98
6290	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1Y	0	-98	-98
6291	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DP	0	-83	-83
6292	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DX	0	-83	-83
6293	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DXY	0	-83	-83
6294	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DY	0	-83	-83
6295	LC158_SeLS_NL6a=Cons+Main_Dir=-45	TopP	0	-79	-79

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6296	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F1A	2503	-2543	1303
6297	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F2A	2503	-2543	1303
6298	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F3A	2503	-663	2515
6299	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F4A	2503	-663	2515
6300	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F1A	2503	-2543	1303
6301	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F2A	2503	-663	2515
6302	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F1A	2210	-2607	1346
6303	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F2A	2210	-675	2588
6304	LC159_SeLS_NL6b=Linesmen_Dir=-45	E2F1A	2210	-675	2588
6305	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F1B	1428	-6950	-8886
6306	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F2B	1428	-6950	-8886
6307	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F3B	1428	-6950	-8886
6308	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F4B	1428	-6950	-8886
6309	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F1B	1428	-6950	-8886
6310	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F2B	1428	-6950	-8886
6311	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F1B	1011	-5767	-7374
6312	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F2B	1011	-5767	-7374
6313	LC159_SeLS_NL6b=Linesmen_Dir=-45	E2F1B	710	-2607	1346
6314	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5S	0	-321	-321
6315	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5X	0	-321	-321
6316	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5XY	0	-321	-321
6317	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5Y	0	-321	-321
6318	LC159_SeLS_NL6b=Linesmen_Dir=-45	CP	0	-367	-367
6319	LC159_SeLS_NL6b=Linesmen_Dir=-45	CX	0	-367	-367
6320	LC159_SeLS_NL6b=Linesmen_Dir=-45	CXY	0	-367	-367
6321	LC159_SeLS_NL6b=Linesmen_Dir=-45	CY	0	-367	-367
6322	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10S	0	-186	-186
6323	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10X	0	-186	-186
6324	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10XY	0	-186	-186
6325	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10Y	0	-186	-186
6326	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1P	0	-96	-96
6327	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1X	0	-96	-96
6328	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1XY	0	-96	-96
6329	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1Y	0	-96	-96
6330	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12S	0	-109	-109
6331	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12X	0	-109	-109
6332	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12XY	0	-109	-109
6333	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12Y	0	-109	-109
6334	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1P	0	-98	-98
6335	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1X	0	-98	-98
6336	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1XY	0	-98	-98
6337	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1Y	0	-98	-98
6338	LC159_SeLS_NL6b=Linesmen_Dir=-45	DP	0	-83	-83
6339	LC159_SeLS_NL6b=Linesmen_Dir=-45	DX	0	-83	-83
6340	LC159_SeLS_NL6b=Linesmen_Dir=-45	DXY	0	-83	-83
6341	LC159_SeLS_NL6b=Linesmen_Dir=-45	DY	0	-83	-83
6342	LC159_SeLS_NL6b=Linesmen_Dir=-45	TopP	0	-79	-79

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6343	LC160_ULS_NL1a=Wind_Dir=-52	C1F1A	702	-2312	932
6344	LC160_ULS_NL1a=Wind_Dir=-52	C1F2A	702	-2312	932
6345	LC160_ULS_NL1a=Wind_Dir=-52	C1F3A	702	-667	1979
6346	LC160_ULS_NL1a=Wind_Dir=-52	C1F4A	702	-667	1979
6347	LC160_ULS_NL1a=Wind_Dir=-52	C2F1A	702	-2312	932
6348	LC160_ULS_NL1a=Wind_Dir=-52	C2F2A	702	-667	1979
6349	LC160_ULS_NL1a=Wind_Dir=-52	E1F1A	497	-2325	995
6350	LC160_ULS_NL1a=Wind_Dir=-52	E1F2A	497	-642	2011
6351	LC160_ULS_NL1a=Wind_Dir=-52	E2F1A	497	-642	2011
6352	LC160_ULS_NL1a=Wind_Dir=-52	C1F1B	1000	-4875	-6240
6353	LC160_ULS_NL1a=Wind_Dir=-52	C1F2B	1000	-4875	-6240
6354	LC160_ULS_NL1a=Wind_Dir=-52	C1F3B	1000	-4875	-6240
6355	LC160_ULS_NL1a=Wind_Dir=-52	C1F4B	1000	-4875	-6240
6356	LC160_ULS_NL1a=Wind_Dir=-52	C2F1B	1000	-4875	-6240
6357	LC160_ULS_NL1a=Wind_Dir=-52	C2F2B	1000	-4875	-6240
6358	LC160_ULS_NL1a=Wind_Dir=-52	E1F1B	707	-3886	-4974
6359	LC160_ULS_NL1a=Wind_Dir=-52	E1F2B	707	-3886	-4974
6360	LC160_ULS_NL1a=Wind_Dir=-52	E2F1B	497	-2325	995
6361	LC160_ULS_NL1a=Wind_Dir=-52	Sd5S	0	-1565	-2003
6362	LC160_ULS_NL1a=Wind_Dir=-52	Sd5X	0	-1565	-2003
6363	LC160_ULS_NL1a=Wind_Dir=-52	Sd5XY	0	-1565	-2003
6364	LC160_ULS_NL1a=Wind_Dir=-52	Sd5Y	0	-1565	-2003
6365	LC160_ULS_NL1a=Wind_Dir=-52	CP	0	-1787	-2287
6366	LC160_ULS_NL1a=Wind_Dir=-52	CX	0	-1787	-2287
6367	LC160_ULS_NL1a=Wind_Dir=-52	CXY	0	-1787	-2287
6368	LC160_ULS_NL1a=Wind_Dir=-52	CY	0	-1787	-2287
6369	LC160_ULS_NL1a=Wind_Dir=-52	Sd10S	0	-780	-998
6370	LC160_ULS_NL1a=Wind_Dir=-52	Sd10X	0	-780	-998
6371	LC160_ULS_NL1a=Wind_Dir=-52	Sd10XY	0	-780	-998
6372	LC160_ULS_NL1a=Wind_Dir=-52	Sd10Y	0	-780	-998
6373	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1P	0	-467	-598
6374	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1X	0	-467	-598
6375	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1XY	0	-467	-598
6376	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1Y	0	-467	-598
6377	LC160_ULS_NL1a=Wind_Dir=-52	Sd12S	0	-464	-594
6378	LC160_ULS_NL1a=Wind_Dir=-52	Sd12X	0	-464	-594
6379	LC160_ULS_NL1a=Wind_Dir=-52	Sd12XY	0	-464	-594
6380	LC160_ULS_NL1a=Wind_Dir=-52	Sd12Y	0	-464	-594
6381	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1P	0	-476	-609
6382	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1X	0	-476	-609
6383	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1XY	0	-476	-609
6384	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1Y	0	-476	-609
6385	LC160_ULS_NL1a=Wind_Dir=-52	DP	0	-353	-451
6386	LC160_ULS_NL1a=Wind_Dir=-52	DX	0	-353	-451
6387	LC160_ULS_NL1a=Wind_Dir=-52	DXY	0	-353	-451
6388	LC160_ULS_NL1a=Wind_Dir=-52	DY	0	-353	-451
6389	LC160_ULS_NL1a=Wind_Dir=-52	TopP	0	-383	-490

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6390	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F1A	1505	-4898	2412
6391	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F2A	1505	-4898	2412
6392	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F3A	1505	-1227	4474
6393	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F4A	1505	-1227	4474
6394	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F1A	1505	-4898	2412
6395	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F2A	1505	-1227	4474
6396	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F1A	1229	-5419	2704
6397	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F2A	1229	-1357	5026
6398	LC161_ULS_NL3=Wind+Ice_Dir=-52	E2F1A	1229	-1357	5026
6399	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F1B	2142	-10305	-13190
6400	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F2B	2142	-10305	-13190
6401	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F3B	2142	-10305	-13190
6402	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F4B	2142	-10305	-13190
6403	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F1B	2142	-10305	-13190
6404	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F2B	2142	-10305	-13190
6405	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F1B	1750	-9426	-12065
6406	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F2B	1750	-9426	-12065
6407	LC161_ULS_NL3=Wind+Ice_Dir=-52	E2F1B	1229	-5419	2704
6408	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5S	0	-471	-603
6409	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5X	0	-471	-603
6410	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5XY	0	-471	-603
6411	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5Y	0	-471	-603
6412	LC161_ULS_NL3=Wind+Ice_Dir=-52	CP	0	-538	-688
6413	LC161_ULS_NL3=Wind+Ice_Dir=-52	CX	0	-538	-688
6414	LC161_ULS_NL3=Wind+Ice_Dir=-52	CXY	0	-538	-688
6415	LC161_ULS_NL3=Wind+Ice_Dir=-52	CY	0	-538	-688
6416	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10S	0	-235	-300
6417	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10X	0	-235	-300
6418	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10XY	0	-235	-300
6419	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10Y	0	-235	-300
6420	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1P	0	-141	-180
6421	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1X	0	-141	-180
6422	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1XY	0	-141	-180
6423	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1Y	0	-141	-180
6424	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12S	0	-140	-179
6425	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12X	0	-140	-179
6426	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12XY	0	-140	-179
6427	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12Y	0	-140	-179
6428	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1P	0	-143	-183
6429	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1X	0	-143	-183
6430	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1XY	0	-143	-183
6431	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1Y	0	-143	-183
6432	LC161_ULS_NL3=Wind+Ice_Dir=-52	DP	0	-106	-136
6433	LC161_ULS_NL3=Wind+Ice_Dir=-52	DX	0	-106	-136
6434	LC161_ULS_NL3=Wind+Ice_Dir=-52	DXY	0	-106	-136
6435	LC161_ULS_NL3=Wind+Ice_Dir=-52	DY	0	-106	-136
6436	LC161_ULS_NL3=Wind+Ice_Dir=-52	TopP	0	-115	-148

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6437	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F1A	702	-2686	1368
6438	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F2A	702	-2686	1368
6439	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F3A	702	-630	2385
6440	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F4A	702	-630	2385
6441	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F1A	702	-2686	1368
6442	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F2A	702	-630	2385
6443	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F1A	497	-2959	1524
6444	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F2A	497	-733	2824
6445	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E2F1A	497	-733	2824
6446	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F1B	1000	-5395	-6906
6447	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F2B	1000	-5395	-6906
6448	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F3B	1000	-5395	-6906
6449	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F4B	1000	-5395	-6906
6450	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F1B	1000	-5395	-6906
6451	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F2B	1000	-5395	-6906
6452	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F1B	707	-4392	-5622
6453	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F2B	707	-4392	-5622
6454	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E2F1B	497	-2959	1524
6455	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5S	0	-319	-408
6456	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5X	0	-319	-408
6457	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5XY	0	-319	-408
6458	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5Y	0	-319	-408
6459	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CP	0	-364	-466
6460	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CX	0	-364	-466
6461	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CXY	0	-364	-466
6462	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CY	0	-364	-466
6463	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10S	0	-159	-203
6464	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10X	0	-159	-203
6465	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10XY	0	-159	-203
6466	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10Y	0	-159	-203
6467	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1P	0	-95	-122
6468	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1X	0	-95	-122
6469	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1XY	0	-95	-122
6470	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1Y	0	-95	-122
6471	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12S	0	-95	-121
6472	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12X	0	-95	-121
6473	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12XY	0	-95	-121
6474	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12Y	0	-95	-121
6475	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1P	0	-97	-124
6476	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1X	0	-97	-124
6477	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1XY	0	-97	-124
6478	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1Y	0	-97	-124
6479	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DP	0	-72	-92
6480	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DX	0	-72	-92
6481	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DXY	0	-72	-92
6482	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DY	0	-72	-92
6483	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	TopP	0	-78	-100

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6484	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F1A	1053	-2728	1390
6485	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F2A	1053	-2728	1390
6486	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F3A	1053	-652	2475
6487	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F4A	1053	-652	2475
6488	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F1A	1053	-2728	1390
6489	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F2A	1053	-652	2475
6490	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F1A	746	-2796	1437
6491	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F2A	746	-665	2554
6492	LC163_ULS_NL6a=Cons+Main_Dir=-52	E2F1A	746	-665	2554
6493	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F1B	1500	-5942	-7606
6494	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F2B	1500	-5942	-7606
6495	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F3B	1500	-5942	-7606
6496	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F4B	1500	-5942	-7606
6497	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F1B	1500	-5942	-7606
6498	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F2B	1500	-5942	-7606
6499	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F1B	1061	-4751	-6081
6500	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F2B	1061	-4751	-6081
6501	LC163_ULS_NL6a=Cons+Main_Dir=-52	E2F1B	746	-2796	1437
6502	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5S	0	-319	-408
6503	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5X	0	-319	-408
6504	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5XY	0	-319	-408
6505	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5Y	0	-319	-408
6506	LC163_ULS_NL6a=Cons+Main_Dir=-52	CP	0	-364	-466
6507	LC163_ULS_NL6a=Cons+Main_Dir=-52	CX	0	-364	-466
6508	LC163_ULS_NL6a=Cons+Main_Dir=-52	CXY	0	-364	-466
6509	LC163_ULS_NL6a=Cons+Main_Dir=-52	CY	0	-364	-466
6510	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10S	0	-159	-203
6511	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10X	0	-159	-203
6512	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10XY	0	-159	-203
6513	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10Y	0	-159	-203
6514	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1P	0	-95	-122
6515	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1X	0	-95	-122
6516	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1XY	0	-95	-122
6517	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1Y	0	-95	-122
6518	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12S	0	-95	-121
6519	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12X	0	-95	-121
6520	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12XY	0	-95	-121
6521	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12Y	0	-95	-121
6522	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1P	0	-97	-124
6523	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1X	0	-97	-124
6524	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1XY	0	-97	-124
6525	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1Y	0	-97	-124
6526	LC163_ULS_NL6a=Cons+Main_Dir=-52	DP	0	-72	-92
6527	LC163_ULS_NL6a=Cons+Main_Dir=-52	DX	0	-72	-92
6528	LC163_ULS_NL6a=Cons+Main_Dir=-52	DXY	0	-72	-92
6529	LC163_ULS_NL6a=Cons+Main_Dir=-52	DY	0	-72	-92
6530	LC163_ULS_NL6a=Cons+Main_Dir=-52	TopP	0	-78	-100

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6531	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F1A	2853	-2728	1390
6532	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F2A	2853	-2728	1390
6533	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F3A	2853	-652	2475
6534	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F4A	2853	-652	2475
6535	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F1A	2853	-2728	1390
6536	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F2A	2853	-652	2475
6537	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F1A	2546	-2796	1437
6538	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F2A	2546	-665	2554
6539	LC164_ULS_NL6b=Linesmen_Dir=-52	E2F1A	2546	-665	2554
6540	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F1B	1500	-5942	-7606
6541	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F2B	1500	-5942	-7606
6542	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F3B	1500	-5942	-7606
6543	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F4B	1500	-5942	-7606
6544	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F1B	1500	-5942	-7606
6545	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F2B	1500	-5942	-7606
6546	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F1B	1061	-4751	-6081
6547	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F2B	1061	-4751	-6081
6548	LC164_ULS_NL6b=Linesmen_Dir=-52	E2F1B	746	-2796	1437
6549	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5S	0	-319	-408
6550	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5X	0	-319	-408
6551	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5XY	0	-319	-408
6552	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5Y	0	-319	-408
6553	LC164_ULS_NL6b=Linesmen_Dir=-52	CP	0	-364	-466
6554	LC164_ULS_NL6b=Linesmen_Dir=-52	CX	0	-364	-466
6555	LC164_ULS_NL6b=Linesmen_Dir=-52	CXY	0	-364	-466
6556	LC164_ULS_NL6b=Linesmen_Dir=-52	CY	0	-364	-466
6557	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10S	0	-159	-203
6558	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10X	0	-159	-203
6559	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10XY	0	-159	-203
6560	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10Y	0	-159	-203
6561	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1P	0	-95	-122
6562	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1X	0	-95	-122
6563	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1XY	0	-95	-122
6564	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1Y	0	-95	-122
6565	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12S	0	-95	-121
6566	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12X	0	-95	-121
6567	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12XY	0	-95	-121
6568	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12Y	0	-95	-121
6569	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1P	0	-97	-124
6570	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1X	0	-97	-124
6571	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1XY	0	-97	-124
6572	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1Y	0	-97	-124
6573	LC164_ULS_NL6b=Linesmen_Dir=-52	DP	0	-72	-92
6574	LC164_ULS_NL6b=Linesmen_Dir=-52	DX	0	-72	-92
6575	LC164_ULS_NL6b=Linesmen_Dir=-52	DXY	0	-72	-92
6576	LC164_ULS_NL6b=Linesmen_Dir=-52	DY	0	-72	-92
6577	LC164_ULS_NL6b=Linesmen_Dir=-52	TopP	0	-78	-100

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6578	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F1A	0	0	0
6579	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F2A	0	0	0
6580	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F3A	702	-616	1992
6581	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F4A	702	-616	1992
6582	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F1A	0	0	0
6583	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F2A	702	-616	1992
6584	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F1A	0	0	0
6585	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F2A	497	-601	2021
6586	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E2F1A	497	-601	2021
6587	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F1B	1000	-4875	-6240
6588	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F2B	1000	-4875	-6240
6589	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F3B	1000	-4875	-6240
6590	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F4B	1000	-4875	-6240
6591	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F1B	1000	-4875	-6240
6592	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F2B	1000	-4875	-6240
6593	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F1B	707	-3886	-4974
6594	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F2B	707	-3886	-4974
6595	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E2F1B	0	0	0
6596	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5S	0	-1080	-1383
6597	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5X	0	-1080	-1383
6598	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5XY	0	-1080	-1383
6599	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5Y	0	-1080	-1383
6600	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CP	0	-1234	-1579
6601	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CX	0	-1234	-1579
6602	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CXY	0	-1234	-1579
6603	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CY	0	-1234	-1579
6604	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10S	0	-538	-689
6605	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10X	0	-538	-689
6606	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10XY	0	-538	-689
6607	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10Y	0	-538	-689
6608	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1P	0	-323	-413
6609	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1X	0	-323	-413
6610	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1XY	0	-323	-413
6611	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1Y	0	-323	-413
6612	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12S	0	-320	-410
6613	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12X	0	-320	-410
6614	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12XY	0	-320	-410
6615	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12Y	0	-320	-410
6616	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1P	0	-329	-421
6617	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1X	0	-329	-421
6618	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1XY	0	-329	-421
6619	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1Y	0	-329	-421
6620	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DP	0	-243	-312
6621	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DX	0	-243	-312
6622	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DXY	0	-243	-312
6623	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DY	0	-243	-312
6624	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6625	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F1A	0	0	0
6626	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F2A	0	0	0
6627	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F3A	984	-1233	4472
6628	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F4A	984	-1233	4472
6629	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F1A	0	0	0
6630	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F2A	984	-1233	4472
6631	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F1A	0	0	0
6632	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F2A	754	-1362	5025
6633	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E2F1A	754	-1362	5025
6634	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F1B	1400	-10305	-13190
6635	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F2B	1400	-10305	-13190
6636	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F3B	1400	-10305	-13190
6637	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F4B	1400	-10305	-13190
6638	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F1B	1400	-10305	-13190
6639	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F2B	1400	-10305	-13190
6640	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F1B	1073	-9426	-12065
6641	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F2B	1073	-9426	-12065
6642	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E2F1B	0	0	0
6643	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5S	0	-499	-638
6644	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5X	0	-499	-638
6645	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5XY	0	-499	-638
6646	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5Y	0	-499	-638
6647	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CP	0	-569	-729
6648	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CX	0	-569	-729
6649	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CXY	0	-569	-729
6650	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CY	0	-569	-729
6651	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10S	0	-249	-318
6652	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10X	0	-249	-318
6653	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10XY	0	-249	-318
6654	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10Y	0	-249	-318
6655	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1P	0	-149	-191
6656	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1X	0	-149	-191
6657	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1XY	0	-149	-191
6658	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1Y	0	-149	-191
6659	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12S	0	-148	-189
6660	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12X	0	-148	-189
6661	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12XY	0	-148	-189
6662	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12Y	0	-148	-189
6663	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1P	0	-152	-194
6664	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1X	0	-152	-194
6665	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1XY	0	-152	-194
6666	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1Y	0	-152	-194
6667	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DP	0	-112	-144
6668	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DX	0	-112	-144
6669	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DXY	0	-112	-144
6670	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DY	0	-112	-144
6671	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6672	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F1A	0	0	0
6673	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F2A	0	0	0
6674	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F3A	702	-631	2384
6675	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F4A	702	-631	2384
6676	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F1A	0	0	0
6677	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F2A	702	-631	2384
6678	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F1A	0	0	0
6679	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F2A	497	-734	2824
6680	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E2F1A	497	-734	2824
6681	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F1B	1000	-5395	-6906
6682	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F2B	1000	-5395	-6906
6683	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F3B	1000	-5395	-6906
6684	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F4B	1000	-5395	-6906
6685	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F1B	1000	-5395	-6906
6686	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F2B	1000	-5395	-6906
6687	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F1B	707	-4392	-5622
6688	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F2B	707	-4392	-5622
6689	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E2F1B	0	0	0
6690	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5S	0	-332	-425
6691	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5X	0	-332	-425
6692	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5XY	0	-332	-425
6693	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5Y	0	-332	-425
6694	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CP	0	-380	-486
6695	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CX	0	-380	-486
6696	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CXY	0	-380	-486
6697	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CY	0	-380	-486
6698	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10S	0	-166	-212
6699	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10X	0	-166	-212
6700	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10XY	0	-166	-212
6701	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10Y	0	-166	-212
6702	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1P	0	-99	-127
6703	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1X	0	-99	-127
6704	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1XY	0	-99	-127
6705	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1Y	0	-99	-127
6706	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12S	0	-99	-126
6707	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12X	0	-99	-126
6708	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12XY	0	-99	-126
6709	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12Y	0	-99	-126
6710	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1P	0	-101	-129
6711	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1X	0	-101	-129
6712	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1XY	0	-101	-129
6713	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1Y	0	-101	-129
6714	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DP	0	-75	-96
6715	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DX	0	-75	-96
6716	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DXY	0	-75	-96
6717	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DY	0	-75	-96
6718	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6719	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F1A	0	0	0
6720	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F2A	0	0	0
6721	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F3A	1053	-654	2475
6722	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F4A	1053	-654	2475
6723	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F1A	0	0	0
6724	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F2A	1053	-654	2475
6725	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F1A	0	0	0
6726	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F2A	746	-667	2554
6727	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E2F1A	746	-667	2554
6728	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F1B	1500	-5942	-7606
6729	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F2B	1500	-5942	-7606
6730	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F3B	1500	-5942	-7606
6731	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F4B	1500	-5942	-7606
6732	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F1B	1500	-5942	-7606
6733	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F2B	1500	-5942	-7606
6734	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F1B	1061	-4751	-6081
6735	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F2B	1061	-4751	-6081
6736	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E2F1B	0	0	0
6737	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5S	0	-332	-425
6738	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5X	0	-332	-425
6739	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5XY	0	-332	-425
6740	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5Y	0	-332	-425
6741	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CP	0	-380	-486
6742	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CX	0	-380	-486
6743	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CXY	0	-380	-486
6744	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CY	0	-380	-486
6745	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10S	0	-166	-212
6746	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10X	0	-166	-212
6747	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10XY	0	-166	-212
6748	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10Y	0	-166	-212
6749	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1P	0	-99	-127
6750	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1X	0	-99	-127
6751	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1XY	0	-99	-127
6752	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1Y	0	-99	-127
6753	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12S	0	-99	-126
6754	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12X	0	-99	-126
6755	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12XY	0	-99	-126
6756	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12Y	0	-99	-126
6757	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1P	0	-101	-129
6758	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1X	0	-101	-129
6759	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1XY	0	-101	-129
6760	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1Y	0	-101	-129
6761	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DP	0	-75	-96
6762	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DX	0	-75	-96
6763	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DXY	0	-75	-96
6764	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DY	0	-75	-96
6765	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6766	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F1A	1800	0	0
6767	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F2A	1800	0	0
6768	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F3A	2853	-654	2475
6769	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F4A	2853	-654	2475
6770	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F1A	1800	0	0
6771	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F2A	2853	-654	2475
6772	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F1A	1800	0	0
6773	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F2A	2546	-667	2554
6774	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E2F1A	2546	-667	2554
6775	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F1B	1500	-5942	-7606
6776	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F2B	1500	-5942	-7606
6777	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F3B	1500	-5942	-7606
6778	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F4B	1500	-5942	-7606
6779	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F1B	1500	-5942	-7606
6780	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F2B	1500	-5942	-7606
6781	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F1B	1061	-4751	-6081
6782	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F2B	1061	-4751	-6081
6783	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E2F1B	0	0	0
6784	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5S	0	-332	-425
6785	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5X	0	-332	-425
6786	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5XY	0	-332	-425
6787	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5Y	0	-332	-425
6788	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CP	0	-380	-486
6789	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CX	0	-380	-486
6790	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CXY	0	-380	-486
6791	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CY	0	-380	-486
6792	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10S	0	-166	-212
6793	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10X	0	-166	-212
6794	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10XY	0	-166	-212
6795	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10Y	0	-166	-212
6796	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1P	0	-99	-127
6797	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1X	0	-99	-127
6798	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1XY	0	-99	-127
6799	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1Y	0	-99	-127
6800	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12S	0	-99	-126
6801	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12X	0	-99	-126
6802	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12XY	0	-99	-126
6803	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12Y	0	-99	-126
6804	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1P	0	-101	-129
6805	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1X	0	-101	-129
6806	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1XY	0	-101	-129
6807	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1Y	0	-101	-129
6808	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DP	0	-75	-96
6809	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DX	0	-75	-96
6810	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DXY	0	-75	-96
6811	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DY	0	-75	-96
6812	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6813	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F1A	702	-2274	1004
6814	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F2A	702	-2274	1004
6815	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F3A	0	0	0
6816	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F4A	0	0	0
6817	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F1A	702	-2274	1004
6818	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F2A	0	0	0
6819	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F1A	497	-2294	1053
6820	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F2A	0	0	0
6821	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E2F1A	0	0	0
6822	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F1B	1000	-4875	-6240
6823	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F2B	1000	-4875	-6240
6824	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F3B	1000	-4875	-6240
6825	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F4B	1000	-4875	-6240
6826	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F1B	1000	-4875	-6240
6827	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F2B	1000	-4875	-6240
6828	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F1B	707	-3886	-4974
6829	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F2B	707	-3886	-4974
6830	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E2F1B	497	-2294	1053
6831	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5S	0	-1080	-1383
6832	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5X	0	-1080	-1383
6833	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5XY	0	-1080	-1383
6834	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5Y	0	-1080	-1383
6835	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CP	0	-1234	-1579
6836	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CX	0	-1234	-1579
6837	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CXY	0	-1234	-1579
6838	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CY	0	-1234	-1579
6839	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10S	0	-538	-689
6840	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10X	0	-538	-689
6841	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10XY	0	-538	-689
6842	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10Y	0	-538	-689
6843	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1P	0	-323	-413
6844	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1X	0	-323	-413
6845	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1XY	0	-323	-413
6846	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1Y	0	-323	-413
6847	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12S	0	-320	-410
6848	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12X	0	-320	-410
6849	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12XY	0	-320	-410
6850	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12Y	0	-320	-410
6851	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1P	0	-329	-421
6852	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1X	0	-329	-421
6853	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1XY	0	-329	-421
6854	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1Y	0	-329	-421
6855	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DP	0	-243	-312
6856	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DX	0	-243	-312
6857	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DXY	0	-243	-312
6858	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DY	0	-243	-312
6859	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6860	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F1A	984	-4902	2403
6861	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F2A	984	-4902	2403
6862	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F3A	0	0	0
6863	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F4A	0	0	0
6864	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F1A	984	-4902	2403
6865	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F2A	0	0	0
6866	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F1A	754	-5423	2695
6867	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F2A	0	0	0
6868	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E2F1A	0	0	0
6869	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F1B	1400	-10305	-13190
6870	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F2B	1400	-10305	-13190
6871	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F3B	1400	-10305	-13190
6872	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F4B	1400	-10305	-13190
6873	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F1B	1400	-10305	-13190
6874	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F2B	1400	-10305	-13190
6875	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F1B	1073	-9426	-12065
6876	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F2B	1073	-9426	-12065
6877	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E2F1B	754	-5423	2695
6878	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5S	0	-499	-638
6879	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5X	0	-499	-638
6880	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5XY	0	-499	-638
6881	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5Y	0	-499	-638
6882	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CP	0	-569	-729
6883	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CX	0	-569	-729
6884	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CXY	0	-569	-729
6885	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CY	0	-569	-729
6886	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10S	0	-249	-318
6887	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10X	0	-249	-318
6888	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10XY	0	-249	-318
6889	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10Y	0	-249	-318
6890	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1P	0	-149	-191
6891	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1X	0	-149	-191
6892	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1XY	0	-149	-191
6893	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1Y	0	-149	-191
6894	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12S	0	-148	-189
6895	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12X	0	-148	-189
6896	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12XY	0	-148	-189
6897	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12Y	0	-148	-189
6898	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1P	0	-152	-194
6899	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1X	0	-152	-194
6900	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1XY	0	-152	-194
6901	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1Y	0	-152	-194
6902	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DP	0	-112	-144
6903	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DX	0	-112	-144
6904	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DXY	0	-112	-144
6905	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DY	0	-112	-144
6906	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6907	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F1A	702	-2687	1366
6908	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F2A	702	-2687	1366
6909	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F3A	0	0	0
6910	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F4A	0	0	0
6911	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F1A	702	-2687	1366
6912	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F2A	0	0	0
6913	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F1A	497	-2960	1523
6914	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F2A	0	0	0
6915	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E2F1A	0	0	0
6916	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F1B	1000	-5395	-6906
6917	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F2B	1000	-5395	-6906
6918	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F3B	1000	-5395	-6906
6919	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F4B	1000	-5395	-6906
6920	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F1B	1000	-5395	-6906
6921	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F2B	1000	-5395	-6906
6922	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F1B	707	-4392	-5622
6923	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F2B	707	-4392	-5622
6924	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E2F1B	497	-2960	1523
6925	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5S	0	-332	-425
6926	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5X	0	-332	-425
6927	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5XY	0	-332	-425
6928	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5Y	0	-332	-425
6929	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CP	0	-380	-486
6930	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CX	0	-380	-486
6931	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CXY	0	-380	-486
6932	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CY	0	-380	-486
6933	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10S	0	-166	-212
6934	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10X	0	-166	-212
6935	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10XY	0	-166	-212
6936	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10Y	0	-166	-212
6937	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1P	0	-99	-127
6938	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1X	0	-99	-127
6939	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1XY	0	-99	-127
6940	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1Y	0	-99	-127
6941	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12S	0	-99	-126
6942	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12X	0	-99	-126
6943	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12XY	0	-99	-126
6944	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12Y	0	-99	-126
6945	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1P	0	-101	-129
6946	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1X	0	-101	-129
6947	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1XY	0	-101	-129
6948	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1Y	0	-101	-129
6949	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DP	0	-75	-96
6950	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DX	0	-75	-96
6951	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DXY	0	-75	-96
6952	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DY	0	-75	-96
6953	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6954	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F1A	1053	-2730	1388
6955	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F2A	1053	-2730	1388
6956	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F3A	0	0	0
6957	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F4A	0	0	0
6958	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F1A	1053	-2730	1388
6959	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F2A	0	0	0
6960	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F1A	746	-2797	1436
6961	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F2A	0	0	0
6962	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E2F1A	0	0	0
6963	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F1B	1500	-5942	-7606
6964	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F2B	1500	-5942	-7606
6965	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F3B	1500	-5942	-7606
6966	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F4B	1500	-5942	-7606
6967	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F1B	1500	-5942	-7606
6968	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F2B	1500	-5942	-7606
6969	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F1B	1061	-4751	-6081
6970	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F2B	1061	-4751	-6081
6971	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E2F1B	746	-2797	1436
6972	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5S	0	-332	-425
6973	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5X	0	-332	-425
6974	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5XY	0	-332	-425
6975	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5Y	0	-332	-425
6976	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CP	0	-380	-486
6977	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CX	0	-380	-486
6978	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CXY	0	-380	-486
6979	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CY	0	-380	-486
6980	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10S	0	-166	-212
6981	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10X	0	-166	-212
6982	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10XY	0	-166	-212
6983	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10Y	0	-166	-212
6984	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1P	0	-99	-127
6985	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1X	0	-99	-127
6986	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1XY	0	-99	-127
6987	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1Y	0	-99	-127
6988	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12S	0	-99	-126
6989	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12X	0	-99	-126
6990	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12XY	0	-99	-126
6991	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12Y	0	-99	-126
6992	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1P	0	-101	-129
6993	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1X	0	-101	-129
6994	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1XY	0	-101	-129
6995	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1Y	0	-101	-129
6996	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DP	0	-75	-96
6997	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DX	0	-75	-96
6998	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DXY	0	-75	-96
6999	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DY	0	-75	-96
7000	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7001	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F1A	2853	-2730	1388
7002	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F2A	2853	-2730	1388
7003	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F3A	1800	0	0
7004	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F4A	1800	0	0
7005	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F1A	2853	-2730	1388
7006	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F2A	1800	0	0
7007	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F1A	2546	-2797	1436
7008	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F2A	1800	0	0
7009	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E2F1A	1800	0	0
7010	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F1B	1500	-5942	-7606
7011	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F2B	1500	-5942	-7606
7012	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F3B	1500	-5942	-7606
7013	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F4B	1500	-5942	-7606
7014	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F1B	1500	-5942	-7606
7015	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F2B	1500	-5942	-7606
7016	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F1B	1061	-4751	-6081
7017	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F2B	1061	-4751	-6081
7018	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E2F1B	746	-2797	1436
7019	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5S	0	-332	-425
7020	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5X	0	-332	-425
7021	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5XY	0	-332	-425
7022	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5Y	0	-332	-425
7023	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CP	0	-380	-486
7024	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CX	0	-380	-486
7025	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CXY	0	-380	-486
7026	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CY	0	-380	-486
7027	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10S	0	-166	-212
7028	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10X	0	-166	-212
7029	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10XY	0	-166	-212
7030	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10Y	0	-166	-212
7031	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1P	0	-99	-127
7032	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1X	0	-99	-127
7033	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1XY	0	-99	-127
7034	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1Y	0	-99	-127
7035	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12S	0	-99	-126
7036	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12X	0	-99	-126
7037	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12XY	0	-99	-126
7038	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12Y	0	-99	-126
7039	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1P	0	-101	-129
7040	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1X	0	-101	-129
7041	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1XY	0	-101	-129
7042	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1Y	0	-101	-129
7043	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DP	0	-75	-96
7044	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DX	0	-75	-96
7045	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DXY	0	-75	-96
7046	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DY	0	-75	-96
7047	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7048	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F1A	702	-2274	1004
7049	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F2A	702	-2274	1004
7050	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F3A	702	-616	1992
7051	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F4A	702	-616	1992
7052	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F1A	702	-2274	1004
7053	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F2A	702	-616	1992
7054	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F1A	497	-2294	1053
7055	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F2A	497	-601	2021
7056	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E2F1A	497	-601	2021
7057	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F1B	0	0	0
7058	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F2B	0	0	0
7059	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F3B	1000	-4875	-6240
7060	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F4B	1000	-4875	-6240
7061	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F1B	0	0	0
7062	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F2B	1000	-4875	-6240
7063	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F1B	0	0	0
7064	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F2B	707	-3886	-4974
7065	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E2F1B	497	-2294	1053
7066	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5S	0	-1080	-1383
7067	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5X	0	-1080	-1383
7068	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5XY	0	-1080	-1383
7069	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5Y	0	-1080	-1383
7070	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CP	0	-1234	-1579
7071	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CX	0	-1234	-1579
7072	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CXY	0	-1234	-1579
7073	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CY	0	-1234	-1579
7074	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10S	0	-538	-689
7075	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10X	0	-538	-689
7076	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10XY	0	-538	-689
7077	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10Y	0	-538	-689
7078	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1P	0	-323	-413
7079	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1X	0	-323	-413
7080	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1XY	0	-323	-413
7081	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1Y	0	-323	-413
7082	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12S	0	-320	-410
7083	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12X	0	-320	-410
7084	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12XY	0	-320	-410
7085	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12Y	0	-320	-410
7086	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1P	0	-329	-421
7087	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1X	0	-329	-421
7088	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1XY	0	-329	-421
7089	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1Y	0	-329	-421
7090	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DP	0	-243	-312
7091	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DX	0	-243	-312
7092	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DXY	0	-243	-312
7093	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DY	0	-243	-312
7094	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7095	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F1A	984	-4902	2403
7096	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F2A	984	-4902	2403
7097	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F3A	984	-1233	4472
7098	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F4A	984	-1233	4472
7099	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F1A	984	-4902	2403
7100	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F2A	984	-1233	4472
7101	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F1A	754	-5423	2695
7102	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F2A	754	-1362	5025
7103	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E2F1A	754	-1362	5025
7104	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F1B	0	0	0
7105	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F2B	0	0	0
7106	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F3B	1400	-10305	-13190
7107	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F4B	1400	-10305	-13190
7108	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F1B	0	0	0
7109	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F2B	1400	-10305	-13190
7110	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F1B	0	0	0
7111	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F2B	1073	-9426	-12065
7112	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E2F1B	754	-5423	2695
7113	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5S	0	-499	-638
7114	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5X	0	-499	-638
7115	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5XY	0	-499	-638
7116	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5Y	0	-499	-638
7117	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CP	0	-569	-729
7118	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CX	0	-569	-729
7119	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CXY	0	-569	-729
7120	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CY	0	-569	-729
7121	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10S	0	-249	-318
7122	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10X	0	-249	-318
7123	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10XY	0	-249	-318
7124	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10Y	0	-249	-318
7125	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1P	0	-149	-191
7126	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1X	0	-149	-191
7127	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1XY	0	-149	-191
7128	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1Y	0	-149	-191
7129	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12S	0	-148	-189
7130	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12X	0	-148	-189
7131	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12XY	0	-148	-189
7132	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12Y	0	-148	-189
7133	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1P	0	-152	-194
7134	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1X	0	-152	-194
7135	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1XY	0	-152	-194
7136	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1Y	0	-152	-194
7137	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DP	0	-112	-144
7138	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DX	0	-112	-144
7139	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DXY	0	-112	-144
7140	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DY	0	-112	-144
7141	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7142	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F1A	702	-2687	1366
7143	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F2A	702	-2687	1366
7144	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F3A	702	-631	2384
7145	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F4A	702	-631	2384
7146	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F1A	702	-2687	1366
7147	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F2A	702	-631	2384
7148	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F1A	497	-2960	1523
7149	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F2A	497	-734	2824
7150	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E2F1A	497	-734	2824
7151	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F1B	0	0	0
7152	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F2B	0	0	0
7153	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F3B	1000	-5395	-6906
7154	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F4B	1000	-5395	-6906
7155	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F1B	0	0	0
7156	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F2B	1000	-5395	-6906
7157	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F1B	0	0	0
7158	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F2B	707	-4392	-5622
7159	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E2F1B	497	-2960	1523
7160	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5S	0	-332	-425
7161	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5X	0	-332	-425
7162	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5XY	0	-332	-425
7163	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5Y	0	-332	-425
7164	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CP	0	-380	-486
7165	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CX	0	-380	-486
7166	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CXY	0	-380	-486
7167	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CY	0	-380	-486
7168	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10S	0	-166	-212
7169	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10X	0	-166	-212
7170	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10XY	0	-166	-212
7171	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10Y	0	-166	-212
7172	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1P	0	-99	-127
7173	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1X	0	-99	-127
7174	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1XY	0	-99	-127
7175	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1Y	0	-99	-127
7176	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12S	0	-99	-126
7177	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12X	0	-99	-126
7178	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12XY	0	-99	-126
7179	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12Y	0	-99	-126
7180	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1P	0	-101	-129
7181	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1X	0	-101	-129
7182	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1XY	0	-101	-129
7183	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1Y	0	-101	-129
7184	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DP	0	-75	-96
7185	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DX	0	-75	-96
7186	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DXY	0	-75	-96
7187	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DY	0	-75	-96
7188	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7189	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F1A	1053	-2730	1388
7190	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F2A	1053	-2730	1388
7191	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F3A	1053	-654	2475
7192	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F4A	1053	-654	2475
7193	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F1A	1053	-2730	1388
7194	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F2A	1053	-654	2475
7195	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F1A	746	-2797	1436
7196	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F2A	746	-667	2554
7197	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E2F1A	746	-667	2554
7198	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F1B	0	0	0
7199	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F2B	0	0	0
7200	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F3B	1500	-5942	-7606
7201	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F4B	1500	-5942	-7606
7202	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F1B	0	0	0
7203	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F2B	1500	-5942	-7606
7204	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F1B	0	0	0
7205	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F2B	1061	-4751	-6081
7206	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E2F1B	746	-2797	1436
7207	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5S	0	-332	-425
7208	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5X	0	-332	-425
7209	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5XY	0	-332	-425
7210	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5Y	0	-332	-425
7211	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CP	0	-380	-486
7212	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CX	0	-380	-486
7213	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CXY	0	-380	-486
7214	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CY	0	-380	-486
7215	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10S	0	-166	-212
7216	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10X	0	-166	-212
7217	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10XY	0	-166	-212
7218	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10Y	0	-166	-212
7219	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1P	0	-99	-127
7220	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1X	0	-99	-127
7221	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1XY	0	-99	-127
7222	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1Y	0	-99	-127
7223	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12S	0	-99	-126
7224	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12X	0	-99	-126
7225	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12XY	0	-99	-126
7226	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12Y	0	-99	-126
7227	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1P	0	-101	-129
7228	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1X	0	-101	-129
7229	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1XY	0	-101	-129
7230	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1Y	0	-101	-129
7231	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DP	0	-75	-96
7232	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DX	0	-75	-96
7233	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DXY	0	-75	-96
7234	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DY	0	-75	-96
7235	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7236	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F1A	2853	-2730	1388
7237	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F2A	2853	-2730	1388
7238	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F3A	2853	-654	2475
7239	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F4A	2853	-654	2475
7240	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F1A	2853	-2730	1388
7241	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F2A	2853	-654	2475
7242	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F1A	2546	-2797	1436
7243	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F2A	2546	-667	2554
7244	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E2F1A	2546	-667	2554
7245	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F1B	0	0	0
7246	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F2B	0	0	0
7247	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F3B	1500	-5942	-7606
7248	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F4B	1500	-5942	-7606
7249	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F1B	0	0	0
7250	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F2B	1500	-5942	-7606
7251	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F1B	0	0	0
7252	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F2B	1061	-4751	-6081
7253	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E2F1B	746	-2797	1436
7254	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5S	0	-332	-425
7255	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5X	0	-332	-425
7256	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5XY	0	-332	-425
7257	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5Y	0	-332	-425
7258	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CP	0	-380	-486
7259	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CX	0	-380	-486
7260	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CXY	0	-380	-486
7261	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CY	0	-380	-486
7262	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10S	0	-166	-212
7263	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10X	0	-166	-212
7264	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10XY	0	-166	-212
7265	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10Y	0	-166	-212
7266	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1P	0	-99	-127
7267	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1X	0	-99	-127
7268	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1XY	0	-99	-127
7269	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1Y	0	-99	-127
7270	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12S	0	-99	-126
7271	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12X	0	-99	-126
7272	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12XY	0	-99	-126
7273	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12Y	0	-99	-126
7274	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1P	0	-101	-129
7275	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1X	0	-101	-129
7276	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1XY	0	-101	-129
7277	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1Y	0	-101	-129
7278	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DP	0	-75	-96
7279	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DX	0	-75	-96
7280	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DXY	0	-75	-96
7281	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DY	0	-75	-96
7282	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7283	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F1A	702	-2274	1004
7284	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F2A	702	-2274	1004
7285	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F3A	702	-616	1992
7286	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F4A	702	-616	1992
7287	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F1A	702	-2274	1004
7288	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F2A	702	-616	1992
7289	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F1A	497	-2294	1053
7290	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F2A	497	-601	2021
7291	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E2F1A	497	-601	2021
7292	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F1B	1000	-4875	-6240
7293	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F2B	1000	-4875	-6240
7294	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F3B	0	0	0
7295	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F4B	0	0	0
7296	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F1B	1000	-4875	-6240
7297	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F2B	0	0	0
7298	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F1B	707	-3886	-4974
7299	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F2B	0	0	0
7300	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E2F1B	497	-2294	1053
7301	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5S	0	-1080	-1383
7302	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5X	0	-1080	-1383
7303	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5XY	0	-1080	-1383
7304	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5Y	0	-1080	-1383
7305	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CP	0	-1234	-1579
7306	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CX	0	-1234	-1579
7307	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CXY	0	-1234	-1579
7308	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CY	0	-1234	-1579
7309	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10S	0	-538	-689
7310	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10X	0	-538	-689
7311	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10XY	0	-538	-689
7312	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10Y	0	-538	-689
7313	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1P	0	-323	-413
7314	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1X	0	-323	-413
7315	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1XY	0	-323	-413
7316	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1Y	0	-323	-413
7317	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12S	0	-320	-410
7318	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12X	0	-320	-410
7319	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12XY	0	-320	-410
7320	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12Y	0	-320	-410
7321	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1P	0	-329	-421
7322	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1X	0	-329	-421
7323	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1XY	0	-329	-421
7324	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1Y	0	-329	-421
7325	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DP	0	-243	-312
7326	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DX	0	-243	-312
7327	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DXY	0	-243	-312
7328	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DY	0	-243	-312
7329	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7330	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F1A	984	-4902	2403
7331	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F2A	984	-4902	2403
7332	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F3A	984	-1233	4472
7333	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F4A	984	-1233	4472
7334	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F1A	984	-4902	2403
7335	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F2A	984	-1233	4472
7336	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F1A	754	-5423	2695
7337	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F2A	754	-1362	5025
7338	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E2F1A	754	-1362	5025
7339	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F1B	1400	-10305	-13190
7340	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F2B	1400	-10305	-13190
7341	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F3B	0	0	0
7342	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F4B	0	0	0
7343	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F1B	1400	-10305	-13190
7344	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F2B	0	0	0
7345	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F1B	1073	-9426	-12065
7346	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F2B	0	0	0
7347	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E2F1B	754	-5423	2695
7348	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5S	0	-499	-638
7349	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5X	0	-499	-638
7350	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5XY	0	-499	-638
7351	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5Y	0	-499	-638
7352	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CP	0	-569	-729
7353	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CX	0	-569	-729
7354	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CXY	0	-569	-729
7355	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CY	0	-569	-729
7356	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10S	0	-249	-318
7357	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10X	0	-249	-318
7358	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10XY	0	-249	-318
7359	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10Y	0	-249	-318
7360	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1P	0	-149	-191
7361	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1X	0	-149	-191
7362	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1XY	0	-149	-191
7363	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1Y	0	-149	-191
7364	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12S	0	-148	-189
7365	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12X	0	-148	-189
7366	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12XY	0	-148	-189
7367	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12Y	0	-148	-189
7368	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1P	0	-152	-194
7369	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1X	0	-152	-194
7370	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1XY	0	-152	-194
7371	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1Y	0	-152	-194
7372	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DP	0	-112	-144
7373	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DX	0	-112	-144
7374	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DXY	0	-112	-144
7375	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DY	0	-112	-144
7376	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7377	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F1A	702	-2687	1366
7378	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F2A	702	-2687	1366
7379	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F3A	702	-631	2384
7380	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F4A	702	-631	2384
7381	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F1A	702	-2687	1366
7382	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F2A	702	-631	2384
7383	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F1A	497	-2960	1523
7384	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F2A	497	-734	2824
7385	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E2F1A	497	-734	2824
7386	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F1B	1000	-5395	-6906
7387	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F2B	1000	-5395	-6906
7388	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F3B	0	0	0
7389	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F4B	0	0	0
7390	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F1B	1000	-5395	-6906
7391	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F2B	0	0	0
7392	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F1B	707	-4392	-5622
7393	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F2B	0	0	0
7394	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E2F1B	497	-2960	1523
7395	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5S	0	-332	-425
7396	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5X	0	-332	-425
7397	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5XY	0	-332	-425
7398	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5Y	0	-332	-425
7399	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CP	0	-380	-486
7400	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CX	0	-380	-486
7401	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CXY	0	-380	-486
7402	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CY	0	-380	-486
7403	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10S	0	-166	-212
7404	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10X	0	-166	-212
7405	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10XY	0	-166	-212
7406	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10Y	0	-166	-212
7407	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1P	0	-99	-127
7408	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1X	0	-99	-127
7409	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1XY	0	-99	-127
7410	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1Y	0	-99	-127
7411	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12S	0	-99	-126
7412	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12X	0	-99	-126
7413	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12XY	0	-99	-126
7414	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12Y	0	-99	-126
7415	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1P	0	-101	-129
7416	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1X	0	-101	-129
7417	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1XY	0	-101	-129
7418	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1Y	0	-101	-129
7419	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DP	0	-75	-96
7420	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DX	0	-75	-96
7421	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DXY	0	-75	-96
7422	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DY	0	-75	-96
7423	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7424	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F1A	1053	-2730	1388
7425	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F2A	1053	-2730	1388
7426	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F3A	1053	-654	2475
7427	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F4A	1053	-654	2475
7428	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F1A	1053	-2730	1388
7429	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F2A	1053	-654	2475
7430	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F1A	746	-2797	1436
7431	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F2A	746	-667	2554
7432	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E2F1A	746	-667	2554
7433	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F1B	1500	-5942	-7606
7434	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F2B	1500	-5942	-7606
7435	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F3B	0	0	0
7436	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F4B	0	0	0
7437	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F1B	1500	-5942	-7606
7438	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F2B	0	0	0
7439	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F1B	1061	-4751	-6081
7440	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F2B	0	0	0
7441	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E2F1B	746	-2797	1436
7442	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5S	0	-332	-425
7443	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5X	0	-332	-425
7444	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5XY	0	-332	-425
7445	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5Y	0	-332	-425
7446	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CP	0	-380	-486
7447	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CX	0	-380	-486
7448	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CXY	0	-380	-486
7449	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CY	0	-380	-486
7450	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10S	0	-166	-212
7451	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10X	0	-166	-212
7452	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10XY	0	-166	-212
7453	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10Y	0	-166	-212
7454	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1P	0	-99	-127
7455	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1X	0	-99	-127
7456	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1XY	0	-99	-127
7457	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1Y	0	-99	-127
7458	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12S	0	-99	-126
7459	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12X	0	-99	-126
7460	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12XY	0	-99	-126
7461	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12Y	0	-99	-126
7462	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1P	0	-101	-129
7463	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1X	0	-101	-129
7464	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1XY	0	-101	-129
7465	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1Y	0	-101	-129
7466	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DP	0	-75	-96
7467	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DX	0	-75	-96
7468	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DXY	0	-75	-96
7469	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DY	0	-75	-96
7470	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7471	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F1A	2853	-2730	1388
7472	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F2A	2853	-2730	1388
7473	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F3A	2853	-654	2475
7474	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F4A	2853	-654	2475
7475	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F1A	2853	-2730	1388
7476	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F2A	2853	-654	2475
7477	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F1A	2546	-2797	1436
7478	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F2A	2546	-667	2554
7479	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E2F1A	2546	-667	2554
7480	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F1B	1500	-5942	-7606
7481	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F2B	1500	-5942	-7606
7482	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F3B	0	0	0
7483	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F4B	0	0	0
7484	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F1B	1500	-5942	-7606
7485	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F2B	0	0	0
7486	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F1B	1061	-4751	-6081
7487	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F2B	0	0	0
7488	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E2F1B	746	-2797	1436
7489	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5S	0	-332	-425
7490	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5X	0	-332	-425
7491	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5XY	0	-332	-425
7492	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5Y	0	-332	-425
7493	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CP	0	-380	-486
7494	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CX	0	-380	-486
7495	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CXY	0	-380	-486
7496	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CY	0	-380	-486
7497	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10S	0	-166	-212
7498	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10X	0	-166	-212
7499	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10XY	0	-166	-212
7500	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10Y	0	-166	-212
7501	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1P	0	-99	-127
7502	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1X	0	-99	-127
7503	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1XY	0	-99	-127
7504	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1Y	0	-99	-127
7505	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12S	0	-99	-126
7506	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12X	0	-99	-126
7507	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12XY	0	-99	-126
7508	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12Y	0	-99	-126
7509	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1P	0	-101	-129
7510	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1X	0	-101	-129
7511	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1XY	0	-101	-129
7512	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1Y	0	-101	-129
7513	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DP	0	-75	-96
7514	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DX	0	-75	-96
7515	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DXY	0	-75	-96
7516	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DY	0	-75	-96
7517	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7518	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F1A	0	0	0
7519	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F2A	0	0	0
7520	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F3A	0	0	0
7521	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F4A	0	0	0
7522	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F1A	0	0	0
7523	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F2A	0	0	0
7524	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F1A	0	0	0
7525	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F2A	0	0	0
7526	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E2F1A	0	0	0
7527	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F1B	1000	-4875	-6240
7528	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F2B	1000	-4875	-6240
7529	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F3B	1000	-4875	-6240
7530	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F4B	1000	-4875	-6240
7531	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F1B	1000	-4875	-6240
7532	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F2B	1000	-4875	-6240
7533	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F1B	707	-3886	-4974
7534	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F2B	707	-3886	-4974
7535	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E2F1B	0	0	0
7536	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5S	0	-1080	-1383
7537	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5X	0	-1080	-1383
7538	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5XY	0	-1080	-1383
7539	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5Y	0	-1080	-1383
7540	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CP	0	-1234	-1579
7541	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CX	0	-1234	-1579
7542	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CXY	0	-1234	-1579
7543	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CY	0	-1234	-1579
7544	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10S	0	-538	-689
7545	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10X	0	-538	-689
7546	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10XY	0	-538	-689
7547	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10Y	0	-538	-689
7548	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1P	0	-323	-413
7549	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1X	0	-323	-413
7550	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1XY	0	-323	-413
7551	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1Y	0	-323	-413
7552	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12S	0	-320	-410
7553	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12X	0	-320	-410
7554	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12XY	0	-320	-410
7555	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12Y	0	-320	-410
7556	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1P	0	-329	-421
7557	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1X	0	-329	-421
7558	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1XY	0	-329	-421
7559	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1Y	0	-329	-421
7560	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DP	0	-243	-312
7561	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DX	0	-243	-312
7562	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DXY	0	-243	-312
7563	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DY	0	-243	-312
7564	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7565	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F1A	0	0	0
7566	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F2A	0	0	0
7567	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F3A	0	0	0
7568	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F4A	0	0	0
7569	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F1A	0	0	0
7570	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F2A	0	0	0
7571	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F1A	0	0	0
7572	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F2A	0	0	0
7573	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E2F1A	0	0	0
7574	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F1B	1400	-10305	-13190
7575	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F2B	1400	-10305	-13190
7576	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F3B	1400	-10305	-13190
7577	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F4B	1400	-10305	-13190
7578	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F1B	1400	-10305	-13190
7579	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F2B	1400	-10305	-13190
7580	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F1B	1073	-9426	-12065
7581	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F2B	1073	-9426	-12065
7582	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E2F1B	0	0	0
7583	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5S	0	-499	-638
7584	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5X	0	-499	-638
7585	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5XY	0	-499	-638
7586	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5Y	0	-499	-638
7587	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CP	0	-569	-729
7588	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CX	0	-569	-729
7589	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CXY	0	-569	-729
7590	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CY	0	-569	-729
7591	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10S	0	-249	-318
7592	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10X	0	-249	-318
7593	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10XY	0	-249	-318
7594	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10Y	0	-249	-318
7595	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1P	0	-149	-191
7596	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1X	0	-149	-191
7597	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1XY	0	-149	-191
7598	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1Y	0	-149	-191
7599	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12S	0	-148	-189
7600	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12X	0	-148	-189
7601	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12XY	0	-148	-189
7602	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12Y	0	-148	-189
7603	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1P	0	-152	-194
7604	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1X	0	-152	-194
7605	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1XY	0	-152	-194
7606	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1Y	0	-152	-194
7607	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DP	0	-112	-144
7608	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DX	0	-112	-144
7609	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DXY	0	-112	-144
7610	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DY	0	-112	-144
7611	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7612	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F1A	0	0	0
7613	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F2A	0	0	0
7614	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F3A	0	0	0
7615	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F4A	0	0	0
7616	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F1A	0	0	0
7617	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F2A	0	0	0
7618	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F1A	0	0	0
7619	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F2A	0	0	0
7620	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E2F1A	0	0	0
7621	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F1B	1000	-5395	-6906
7622	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F2B	1000	-5395	-6906
7623	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F3B	1000	-5395	-6906
7624	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F4B	1000	-5395	-6906
7625	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F1B	1000	-5395	-6906
7626	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F2B	1000	-5395	-6906
7627	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F1B	707	-4392	-5622
7628	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F2B	707	-4392	-5622
7629	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E2F1B	0	0	0
7630	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5S	0	-332	-425
7631	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5X	0	-332	-425
7632	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5XY	0	-332	-425
7633	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5Y	0	-332	-425
7634	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CP	0	-380	-486
7635	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CX	0	-380	-486
7636	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CXY	0	-380	-486
7637	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CY	0	-380	-486
7638	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10S	0	-166	-212
7639	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10X	0	-166	-212
7640	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10XY	0	-166	-212
7641	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10Y	0	-166	-212
7642	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1P	0	-99	-127
7643	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1X	0	-99	-127
7644	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1XY	0	-99	-127
7645	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1Y	0	-99	-127
7646	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12S	0	-99	-126
7647	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12X	0	-99	-126
7648	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12XY	0	-99	-126
7649	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12Y	0	-99	-126
7650	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1P	0	-101	-129
7651	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1X	0	-101	-129
7652	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1XY	0	-101	-129
7653	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1Y	0	-101	-129
7654	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DP	0	-75	-96
7655	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DX	0	-75	-96
7656	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DXY	0	-75	-96
7657	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DY	0	-75	-96
7658	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7659	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F1A	0	0	0
7660	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F2A	0	0	0
7661	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F3A	0	0	0
7662	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F4A	0	0	0
7663	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F1A	0	0	0
7664	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F2A	0	0	0
7665	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F1A	0	0	0
7666	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F2A	0	0	0
7667	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E2F1A	0	0	0
7668	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F1B	1500	-5942	-7606
7669	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F2B	1500	-5942	-7606
7670	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F3B	1500	-5942	-7606
7671	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F4B	1500	-5942	-7606
7672	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F1B	1500	-5942	-7606
7673	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F2B	1500	-5942	-7606
7674	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F1B	1061	-4751	-6081
7675	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F2B	1061	-4751	-6081
7676	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E2F1B	0	0	0
7677	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5S	0	-332	-425
7678	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5X	0	-332	-425
7679	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5XY	0	-332	-425
7680	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5Y	0	-332	-425
7681	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CP	0	-380	-486
7682	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CX	0	-380	-486
7683	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CXY	0	-380	-486
7684	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CY	0	-380	-486
7685	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10S	0	-166	-212
7686	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10X	0	-166	-212
7687	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10XY	0	-166	-212
7688	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10Y	0	-166	-212
7689	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1P	0	-99	-127
7690	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1X	0	-99	-127
7691	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1XY	0	-99	-127
7692	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1Y	0	-99	-127
7693	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12S	0	-99	-126
7694	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12X	0	-99	-126
7695	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12XY	0	-99	-126
7696	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12Y	0	-99	-126
7697	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1P	0	-101	-129
7698	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1X	0	-101	-129
7699	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1XY	0	-101	-129
7700	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1Y	0	-101	-129
7701	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DP	0	-75	-96
7702	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DX	0	-75	-96
7703	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DXY	0	-75	-96
7704	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DY	0	-75	-96
7705	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7706	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F1A	0	0	0
7707	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F2A	0	0	0
7708	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F3A	0	0	0
7709	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F4A	0	0	0
7710	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F1A	0	0	0
7711	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F2A	0	0	0
7712	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F1A	0	0	0
7713	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F2A	0	0	0
7714	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E2F1A	0	0	0
7715	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F1B	3300	-5942	-7606
7716	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F2B	3300	-5942	-7606
7717	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F3B	3300	-5942	-7606
7718	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F4B	3300	-5942	-7606
7719	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F1B	3300	-5942	-7606
7720	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F2B	3300	-5942	-7606
7721	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F1B	2861	-4751	-6081
7722	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F2B	2861	-4751	-6081
7723	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E2F1B	1800	0	0
7724	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5S	0	-332	-425
7725	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5X	0	-332	-425
7726	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5XY	0	-332	-425
7727	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5Y	0	-332	-425
7728	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CP	0	-380	-486
7729	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CX	0	-380	-486
7730	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CXY	0	-380	-486
7731	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CY	0	-380	-486
7732	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10S	0	-166	-212
7733	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10X	0	-166	-212
7734	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10XY	0	-166	-212
7735	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10Y	0	-166	-212
7736	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1P	0	-99	-127
7737	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1X	0	-99	-127
7738	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1XY	0	-99	-127
7739	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1Y	0	-99	-127
7740	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12S	0	-99	-126
7741	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12X	0	-99	-126
7742	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12XY	0	-99	-126
7743	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12Y	0	-99	-126
7744	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1P	0	-101	-129
7745	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1X	0	-101	-129
7746	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1XY	0	-101	-129
7747	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1Y	0	-101	-129
7748	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DP	0	-75	-96
7749	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DX	0	-75	-96
7750	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DXY	0	-75	-96
7751	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DY	0	-75	-96
7752	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7753	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F1A	702	-2274	1004
7754	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F2A	702	-2274	1004
7755	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F3A	702	-616	1992
7756	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F4A	702	-616	1992
7757	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F1A	702	-2274	1004
7758	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F2A	702	-616	1992
7759	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F1A	497	-2294	1053
7760	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F2A	497	-601	2021
7761	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E2F1A	497	-601	2021
7762	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F1B	0	0	0
7763	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F2B	0	0	0
7764	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F3B	0	0	0
7765	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F4B	0	0	0
7766	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F1B	0	0	0
7767	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F2B	0	0	0
7768	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F1B	0	0	0
7769	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F2B	0	0	0
7770	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E2F1B	497	-2294	1053
7771	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5S	0	-1080	-1383
7772	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5X	0	-1080	-1383
7773	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5XY	0	-1080	-1383
7774	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5Y	0	-1080	-1383
7775	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CP	0	-1234	-1579
7776	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CX	0	-1234	-1579
7777	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CXY	0	-1234	-1579
7778	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CY	0	-1234	-1579
7779	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10S	0	-538	-689
7780	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10X	0	-538	-689
7781	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10XY	0	-538	-689
7782	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10Y	0	-538	-689
7783	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1P	0	-323	-413
7784	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1X	0	-323	-413
7785	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1XY	0	-323	-413
7786	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1Y	0	-323	-413
7787	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12S	0	-320	-410
7788	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12X	0	-320	-410
7789	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12XY	0	-320	-410
7790	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12Y	0	-320	-410
7791	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1P	0	-329	-421
7792	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1X	0	-329	-421
7793	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1XY	0	-329	-421
7794	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1Y	0	-329	-421
7795	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DP	0	-243	-312
7796	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DX	0	-243	-312
7797	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DXY	0	-243	-312
7798	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DY	0	-243	-312
7799	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7800	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F1A	984	-4902	2403
7801	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F2A	984	-4902	2403
7802	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F3A	984	-1233	4472
7803	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F4A	984	-1233	4472
7804	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F1A	984	-4902	2403
7805	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F2A	984	-1233	4472
7806	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F1A	754	-5423	2695
7807	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F2A	754	-1362	5025
7808	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E2F1A	754	-1362	5025
7809	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F1B	0	0	0
7810	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F2B	0	0	0
7811	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F3B	0	0	0
7812	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F4B	0	0	0
7813	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F1B	0	0	0
7814	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F2B	0	0	0
7815	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F1B	0	0	0
7816	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F2B	0	0	0
7817	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E2F1B	754	-5423	2695
7818	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5S	0	-499	-638
7819	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5X	0	-499	-638
7820	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5XY	0	-499	-638
7821	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5Y	0	-499	-638
7822	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CP	0	-569	-729
7823	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CX	0	-569	-729
7824	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CXY	0	-569	-729
7825	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CY	0	-569	-729
7826	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10S	0	-249	-318
7827	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10X	0	-249	-318
7828	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10XY	0	-249	-318
7829	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10Y	0	-249	-318
7830	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1P	0	-149	-191
7831	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1X	0	-149	-191
7832	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1XY	0	-149	-191
7833	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1Y	0	-149	-191
7834	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12S	0	-148	-189
7835	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12X	0	-148	-189
7836	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12XY	0	-148	-189
7837	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12Y	0	-148	-189
7838	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1P	0	-152	-194
7839	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1X	0	-152	-194
7840	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1XY	0	-152	-194
7841	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1Y	0	-152	-194
7842	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DP	0	-112	-144
7843	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DX	0	-112	-144
7844	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DXY	0	-112	-144
7845	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DY	0	-112	-144
7846	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7847	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F1A	702	-2687	1366
7848	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F2A	702	-2687	1366
7849	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F3A	702	-631	2384
7850	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F4A	702	-631	2384
7851	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F1A	702	-2687	1366
7852	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F2A	702	-631	2384
7853	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F1A	497	-2960	1523
7854	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F2A	497	-734	2824
7855	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E2F1A	497	-734	2824
7856	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F1B	0	0	0
7857	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F2B	0	0	0
7858	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F3B	0	0	0
7859	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F4B	0	0	0
7860	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F1B	0	0	0
7861	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F2B	0	0	0
7862	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F1B	0	0	0
7863	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F2B	0	0	0
7864	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E2F1B	497	-2960	1523
7865	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5S	0	-332	-425
7866	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5X	0	-332	-425
7867	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5XY	0	-332	-425
7868	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5Y	0	-332	-425
7869	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CP	0	-380	-486
7870	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CX	0	-380	-486
7871	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CXY	0	-380	-486
7872	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CY	0	-380	-486
7873	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10S	0	-166	-212
7874	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10X	0	-166	-212
7875	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10XY	0	-166	-212
7876	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10Y	0	-166	-212
7877	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1P	0	-99	-127
7878	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1X	0	-99	-127
7879	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1XY	0	-99	-127
7880	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1Y	0	-99	-127
7881	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12S	0	-99	-126
7882	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12X	0	-99	-126
7883	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12XY	0	-99	-126
7884	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12Y	0	-99	-126
7885	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1P	0	-101	-129
7886	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1X	0	-101	-129
7887	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1XY	0	-101	-129
7888	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1Y	0	-101	-129
7889	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DP	0	-75	-96
7890	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DX	0	-75	-96
7891	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DXY	0	-75	-96
7892	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DY	0	-75	-96
7893	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7894	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F1A	1053	-2730	1388
7895	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F2A	1053	-2730	1388
7896	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F3A	1053	-654	2475
7897	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F4A	1053	-654	2475
7898	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F1A	1053	-2730	1388
7899	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F2A	1053	-654	2475
7900	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F1A	746	-2797	1436
7901	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F2A	746	-667	2554
7902	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E2F1A	746	-667	2554
7903	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F1B	0	0	0
7904	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F2B	0	0	0
7905	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F3B	0	0	0
7906	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F4B	0	0	0
7907	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F1B	0	0	0
7908	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F2B	0	0	0
7909	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F1B	0	0	0
7910	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F2B	0	0	0
7911	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E2F1B	746	-2797	1436
7912	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5S	0	-332	-425
7913	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5X	0	-332	-425
7914	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5XY	0	-332	-425
7915	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5Y	0	-332	-425
7916	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CP	0	-380	-486
7917	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CX	0	-380	-486
7918	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CXY	0	-380	-486
7919	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CY	0	-380	-486
7920	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10S	0	-166	-212
7921	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10X	0	-166	-212
7922	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10XY	0	-166	-212
7923	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10Y	0	-166	-212
7924	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1P	0	-99	-127
7925	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1X	0	-99	-127
7926	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1XY	0	-99	-127
7927	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1Y	0	-99	-127
7928	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12S	0	-99	-126
7929	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12X	0	-99	-126
7930	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12XY	0	-99	-126
7931	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12Y	0	-99	-126
7932	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1P	0	-101	-129
7933	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1X	0	-101	-129
7934	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1XY	0	-101	-129
7935	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1Y	0	-101	-129
7936	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DP	0	-75	-96
7937	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DX	0	-75	-96
7938	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DXY	0	-75	-96
7939	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DY	0	-75	-96
7940	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7941	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F1A	2853	-2730	1388
7942	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F2A	2853	-2730	1388
7943	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F3A	2853	-654	2475
7944	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F4A	2853	-654	2475
7945	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F1A	2853	-2730	1388
7946	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F2A	2853	-654	2475
7947	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F1A	2546	-2797	1436
7948	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F2A	2546	-667	2554
7949	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E2F1A	2546	-667	2554
7950	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F1B	0	0	0
7951	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F2B	0	0	0
7952	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F3B	0	0	0
7953	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F4B	0	0	0
7954	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F1B	0	0	0
7955	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F2B	0	0	0
7956	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F1B	0	0	0
7957	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F2B	0	0	0
7958	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E2F1B	746	-2797	1436
7959	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5S	0	-332	-425
7960	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5X	0	-332	-425
7961	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5XY	0	-332	-425
7962	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5Y	0	-332	-425
7963	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CP	0	-380	-486
7964	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CX	0	-380	-486
7965	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CXY	0	-380	-486
7966	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CY	0	-380	-486
7967	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10S	0	-166	-212
7968	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10X	0	-166	-212
7969	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10XY	0	-166	-212
7970	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10Y	0	-166	-212
7971	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1P	0	-99	-127
7972	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1X	0	-99	-127
7973	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1XY	0	-99	-127
7974	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1Y	0	-99	-127
7975	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12S	0	-99	-126
7976	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12X	0	-99	-126
7977	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12XY	0	-99	-126
7978	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12Y	0	-99	-126
7979	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1P	0	-101	-129
7980	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1X	0	-101	-129
7981	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1XY	0	-101	-129
7982	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1Y	0	-101	-129
7983	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DP	0	-75	-96
7984	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DX	0	-75	-96
7985	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DXY	0	-75	-96
7986	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DY	0	-75	-96
7987	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7988	LC195_SeLS_NL1a=Wind_Dir=-52	C1F1A	669	-2194	903
7989	LC195_SeLS_NL1a=Wind_Dir=-52	C1F2A	669	-2194	903
7990	LC195_SeLS_NL1a=Wind_Dir=-52	C1F3A	669	-624	1888
7991	LC195_SeLS_NL1a=Wind_Dir=-52	C1F4A	669	-624	1888
7992	LC195_SeLS_NL1a=Wind_Dir=-52	C2F1A	669	-2194	903
7993	LC195_SeLS_NL1a=Wind_Dir=-52	C2F2A	669	-624	1888
7994	LC195_SeLS_NL1a=Wind_Dir=-52	E1F1A	473	-2207	960
7995	LC195_SeLS_NL1a=Wind_Dir=-52	E1F2A	473	-602	1917
7996	LC195_SeLS_NL1a=Wind_Dir=-52	E2F1A	473	-602	1917
7997	LC195_SeLS_NL1a=Wind_Dir=-52	C1F1B	952	-4643	-5943
7998	LC195_SeLS_NL1a=Wind_Dir=-52	C1F2B	952	-4643	-5943
7999	LC195_SeLS_NL1a=Wind_Dir=-52	C1F3B	952	-4643	-5943
8000	LC195_SeLS_NL1a=Wind_Dir=-52	C1F4B	952	-4643	-5943
8001	LC195_SeLS_NL1a=Wind_Dir=-52	C2F1B	952	-4643	-5943
8002	LC195_SeLS_NL1a=Wind_Dir=-52	C2F2B	952	-4643	-5943
8003	LC195_SeLS_NL1a=Wind_Dir=-52	E1F1B	674	-3701	-4737
8004	LC195_SeLS_NL1a=Wind_Dir=-52	E1F2B	674	-3701	-4737
8005	LC195_SeLS_NL1a=Wind_Dir=-52	E2F1B	473	-2207	960
8006	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5S	0	-1385	-1772
8007	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5X	0	-1385	-1772
8008	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5XY	0	-1385	-1772
8009	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5Y	0	-1385	-1772
8010	LC195_SeLS_NL1a=Wind_Dir=-52	CP	0	-1582	-2024
8011	LC195_SeLS_NL1a=Wind_Dir=-52	CX	0	-1582	-2024
8012	LC195_SeLS_NL1a=Wind_Dir=-52	CXY	0	-1582	-2024
8013	LC195_SeLS_NL1a=Wind_Dir=-52	CY	0	-1582	-2024
8014	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10S	0	-690	-884
8015	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10X	0	-690	-884
8016	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10XY	0	-690	-884
8017	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10Y	0	-690	-884
8018	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1P	0	-414	-529
8019	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1X	0	-414	-529
8020	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1XY	0	-414	-529
8021	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1Y	0	-414	-529
8022	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12S	0	-411	-526
8023	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12X	0	-411	-526
8024	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12XY	0	-411	-526
8025	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12Y	0	-411	-526
8026	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1P	0	-421	-539
8027	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1X	0	-421	-539
8028	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1XY	0	-421	-539
8029	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1Y	0	-421	-539
8030	LC195_SeLS_NL1a=Wind_Dir=-52	DP	0	-312	-400
8031	LC195_SeLS_NL1a=Wind_Dir=-52	DX	0	-312	-400
8032	LC195_SeLS_NL1a=Wind_Dir=-52	DXY	0	-312	-400
8033	LC195_SeLS_NL1a=Wind_Dir=-52	DY	0	-312	-400
8034	LC195_SeLS_NL1a=Wind_Dir=-52	TopP	0	-339	-434

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8035	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F1A	1496	-4659	2308
8036	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F2A	1496	-4659	2308
8037	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F3A	1496	-1161	4262
8038	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F4A	1496	-1161	4262
8039	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F1A	1496	-4659	2308
8040	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F2A	1496	-1161	4262
8041	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F1A	1228	-5156	2585
8042	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F2A	1228	-1285	4789
8043	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E2F1A	1228	-1285	4789
8044	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F1B	2130	-9814	-12561
8045	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F2B	2130	-9814	-12561
8046	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F3B	2130	-9814	-12561
8047	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F4B	2130	-9814	-12561
8048	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F1B	2130	-9814	-12561
8049	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F2B	2130	-9814	-12561
8050	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F1B	1748	-8977	-11490
8051	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F2B	1748	-8977	-11490
8052	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E2F1B	1228	-5156	2585
8053	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5S	0	-415	-532
8054	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5X	0	-415	-532
8055	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5XY	0	-415	-532
8056	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5Y	0	-415	-532
8057	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CP	0	-474	-607
8058	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CX	0	-474	-607
8059	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CXY	0	-474	-607
8060	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CY	0	-474	-607
8061	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10S	0	-207	-265
8062	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10X	0	-207	-265
8063	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10XY	0	-207	-265
8064	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10Y	0	-207	-265
8065	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1P	0	-124	-159
8066	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1X	0	-124	-159
8067	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1XY	0	-124	-159
8068	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1Y	0	-124	-159
8069	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12S	0	-123	-158
8070	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12X	0	-123	-158
8071	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12XY	0	-123	-158
8072	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12Y	0	-123	-158
8073	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1P	0	-126	-162
8074	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1X	0	-126	-162
8075	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1XY	0	-126	-162
8076	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1Y	0	-126	-162
8077	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DP	0	-94	-120
8078	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DX	0	-94	-120
8079	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DXY	0	-94	-120
8080	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DY	0	-94	-120
8081	LC196_SeLS_NL3=Wind+Ice_Dir=-52	TopP	0	-102	-130

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8082	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F1A	669	-2556	1306
8083	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F2A	669	-2556	1306
8084	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F3A	669	-597	2272
8085	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F4A	669	-597	2272
8086	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F1A	669	-2556	1306
8087	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F2A	669	-597	2272
8088	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F1A	473	-2817	1455
8089	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F2A	473	-696	2690
8090	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E2F1A	473	-696	2690
8091	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F1B	952	-5138	-6577
8092	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F2B	952	-5138	-6577
8093	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F3B	952	-5138	-6577
8094	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F4B	952	-5138	-6577
8095	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F1B	952	-5138	-6577
8096	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F2B	952	-5138	-6577
8097	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F1B	674	-4183	-5354
8098	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F2B	674	-4183	-5354
8099	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E2F1B	473	-2817	1455
8100	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5S	0	-277	-354
8101	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5X	0	-277	-354
8102	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5XY	0	-277	-354
8103	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5Y	0	-277	-354
8104	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CP	0	-316	-405
8105	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CX	0	-316	-405
8106	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CXY	0	-316	-405
8107	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CY	0	-316	-405
8108	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10S	0	-138	-177
8109	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10X	0	-138	-177
8110	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10XY	0	-138	-177
8111	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10Y	0	-138	-177
8112	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1P	0	-83	-106
8113	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1X	0	-83	-106
8114	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1XY	0	-83	-106
8115	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1Y	0	-83	-106
8116	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12S	0	-82	-105
8117	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12X	0	-82	-105
8118	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12XY	0	-82	-105
8119	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12Y	0	-82	-105
8120	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1P	0	-84	-108
8121	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1X	0	-84	-108
8122	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1XY	0	-84	-108
8123	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1Y	0	-84	-108
8124	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DP	0	-62	-80
8125	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DX	0	-62	-80
8126	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DXY	0	-62	-80
8127	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DY	0	-62	-80
8128	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	TopP	0	-68	-87

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8129	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F1A	1003	-2596	1328
8130	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F2A	1003	-2596	1328
8131	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F3A	1003	-619	2358
8132	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F4A	1003	-619	2358
8133	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F1A	1003	-2596	1328
8134	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F2A	1003	-619	2358
8135	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F1A	710	-2661	1372
8136	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F2A	710	-631	2433
8137	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E2F1A	710	-631	2433
8138	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F1B	1428	-5659	-7243
8139	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F2B	1428	-5659	-7243
8140	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F3B	1428	-5659	-7243
8141	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F4B	1428	-5659	-7243
8142	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F1B	1428	-5659	-7243
8143	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F2B	1428	-5659	-7243
8144	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F1B	1011	-4525	-5791
8145	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F2B	1011	-4525	-5791
8146	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E2F1B	710	-2661	1372
8147	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5S	0	-277	-354
8148	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5X	0	-277	-354
8149	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5XY	0	-277	-354
8150	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5Y	0	-277	-354
8151	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CP	0	-316	-405
8152	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CX	0	-316	-405
8153	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CXY	0	-316	-405
8154	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CY	0	-316	-405
8155	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10S	0	-138	-177
8156	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10X	0	-138	-177
8157	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10XY	0	-138	-177
8158	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10Y	0	-138	-177
8159	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1P	0	-83	-106
8160	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1X	0	-83	-106
8161	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1XY	0	-83	-106
8162	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1Y	0	-83	-106
8163	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12S	0	-82	-105
8164	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12X	0	-82	-105
8165	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12XY	0	-82	-105
8166	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12Y	0	-82	-105
8167	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1P	0	-84	-108
8168	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1X	0	-84	-108
8169	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1XY	0	-84	-108
8170	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1Y	0	-84	-108
8171	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DP	0	-62	-80
8172	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DX	0	-62	-80
8173	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DXY	0	-62	-80
8174	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DY	0	-62	-80
8175	LC198_SeLS_NL6a=Cons+Main_Dir=-52	TopP	0	-68	-87

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8176	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F1A	2503	-2596	1328
8177	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F2A	2503	-2596	1328
8178	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F3A	2503	-619	2358
8179	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F4A	2503	-619	2358
8180	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F1A	2503	-2596	1328
8181	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F2A	2503	-619	2358
8182	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F1A	2210	-2661	1372
8183	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F2A	2210	-631	2433
8184	LC199_SeLS_NL6b=Linesmen_Dir=-52	E2F1A	2210	-631	2433
8185	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F1B	1428	-5659	-7243
8186	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F2B	1428	-5659	-7243
8187	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F3B	1428	-5659	-7243
8188	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F4B	1428	-5659	-7243
8189	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F1B	1428	-5659	-7243
8190	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F2B	1428	-5659	-7243
8191	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F1B	1011	-4525	-5791
8192	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F2B	1011	-4525	-5791
8193	LC199_SeLS_NL6b=Linesmen_Dir=-52	E2F1B	710	-2661	1372
8194	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5S	0	-277	-354
8195	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5X	0	-277	-354
8196	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5XY	0	-277	-354
8197	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5Y	0	-277	-354
8198	LC199_SeLS_NL6b=Linesmen_Dir=-52	CP	0	-316	-405
8199	LC199_SeLS_NL6b=Linesmen_Dir=-52	CX	0	-316	-405
8200	LC199_SeLS_NL6b=Linesmen_Dir=-52	CXY	0	-316	-405
8201	LC199_SeLS_NL6b=Linesmen_Dir=-52	CY	0	-316	-405
8202	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10S	0	-138	-177
8203	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10X	0	-138	-177
8204	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10XY	0	-138	-177
8205	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10Y	0	-138	-177
8206	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1P	0	-83	-106
8207	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1X	0	-83	-106
8208	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1XY	0	-83	-106
8209	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1Y	0	-83	-106
8210	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12S	0	-82	-105
8211	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12X	0	-82	-105
8212	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12XY	0	-82	-105
8213	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12Y	0	-82	-105
8214	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1P	0	-84	-108
8215	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1X	0	-84	-108
8216	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1XY	0	-84	-108
8217	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1Y	0	-84	-108
8218	LC199_SeLS_NL6b=Linesmen_Dir=-52	DP	0	-62	-80
8219	LC199_SeLS_NL6b=Linesmen_Dir=-52	DX	0	-62	-80
8220	LC199_SeLS_NL6b=Linesmen_Dir=-52	DXY	0	-62	-80
8221	LC199_SeLS_NL6b=Linesmen_Dir=-52	DY	0	-62	-80
8222	LC199_SeLS_NL6b=Linesmen_Dir=-52	TopP	0	-68	-87

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8223	LC200_ULS_NL1a=Wind_Dir=-90	C1F1A	702	-2093	874
8224	LC200_ULS_NL1a=Wind_Dir=-90	C1F2A	702	-2093	874
8225	LC200_ULS_NL1a=Wind_Dir=-90	C1F3A	702	-299	1134
8226	LC200_ULS_NL1a=Wind_Dir=-90	C1F4A	702	-299	1134
8227	LC200_ULS_NL1a=Wind_Dir=-90	C2F1A	702	-2093	874
8228	LC200_ULS_NL1a=Wind_Dir=-90	C2F2A	702	-299	1134
8229	LC200_ULS_NL1a=Wind_Dir=-90	E1F1A	497	-2111	929
8230	LC200_ULS_NL1a=Wind_Dir=-90	E1F2A	497	-297	1138
8231	LC200_ULS_NL1a=Wind_Dir=-90	E2F1A	497	-297	1138
8232	LC200_ULS_NL1a=Wind_Dir=-90	C1F1B	1000	-7650	-8450
8233	LC200_ULS_NL1a=Wind_Dir=-90	C1F2B	1000	-7650	-8450
8234	LC200_ULS_NL1a=Wind_Dir=-90	C1F3B	1000	-7650	-8450
8235	LC200_ULS_NL1a=Wind_Dir=-90	C1F4B	1000	-7650	-8450
8236	LC200_ULS_NL1a=Wind_Dir=-90	C2F1B	1000	-7650	-8450
8237	LC200_ULS_NL1a=Wind_Dir=-90	C2F2B	1000	-7650	-8450
8238	LC200_ULS_NL1a=Wind_Dir=-90	E1F1B	707	-6407	-7113
8239	LC200_ULS_NL1a=Wind_Dir=-90	E1F2B	707	-6407	-7113
8240	LC200_ULS_NL1a=Wind_Dir=-90	E2F1B	497	-2111	929
8241	LC200_ULS_NL1a=Wind_Dir=-90	Sd5S	0	0	-2139
8242	LC200_ULS_NL1a=Wind_Dir=-90	Sd5X	0	0	-2139
8243	LC200_ULS_NL1a=Wind_Dir=-90	Sd5XY	0	0	-2139
8244	LC200_ULS_NL1a=Wind_Dir=-90	Sd5Y	0	0	-2139
8245	LC200_ULS_NL1a=Wind_Dir=-90	CP	0	0	-2443
8246	LC200_ULS_NL1a=Wind_Dir=-90	CX	0	0	-2443
8247	LC200_ULS_NL1a=Wind_Dir=-90	CXY	0	0	-2443
8248	LC200_ULS_NL1a=Wind_Dir=-90	CY	0	0	-2443
8249	LC200_ULS_NL1a=Wind_Dir=-90	Sd10S	0	0	-537
8250	LC200_ULS_NL1a=Wind_Dir=-90	Sd10X	0	0	-537
8251	LC200_ULS_NL1a=Wind_Dir=-90	Sd10XY	0	0	-537
8252	LC200_ULS_NL1a=Wind_Dir=-90	Sd10Y	0	0	-537
8253	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1P	0	0	-639
8254	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1X	0	0	-639
8255	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-639
8256	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-639
8257	LC200_ULS_NL1a=Wind_Dir=-90	Sd12S	0	0	-351
8258	LC200_ULS_NL1a=Wind_Dir=-90	Sd12X	0	0	-351
8259	LC200_ULS_NL1a=Wind_Dir=-90	Sd12XY	0	0	-351
8260	LC200_ULS_NL1a=Wind_Dir=-90	Sd12Y	0	0	-351
8261	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1P	0	0	-651
8262	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1X	0	0	-651
8263	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-651
8264	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-651
8265	LC200_ULS_NL1a=Wind_Dir=-90	DP	0	0	-267
8266	LC200_ULS_NL1a=Wind_Dir=-90	DX	0	0	-267
8267	LC200_ULS_NL1a=Wind_Dir=-90	DXY	0	0	-267
8268	LC200_ULS_NL1a=Wind_Dir=-90	DY	0	0	-267
8269	LC200_ULS_NL1a=Wind_Dir=-90	TopP	0	0	-524

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8270	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F1A	1505	-4489	2233
8271	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F2A	1505	-4489	2233
8272	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F3A	1505	-675	2664
8273	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F4A	1505	-675	2664
8274	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F1A	1505	-4489	2233
8275	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F2A	1505	-675	2664
8276	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F1A	1229	-5006	2519
8277	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F2A	1229	-811	3215
8278	LC201_ULS_NL3=Wind+Ice_Dir=-90	E2F1A	1229	-811	3215
8279	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F1B	2142	-14489	-17678
8280	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F2B	2142	-14489	-17678
8281	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F3B	2142	-14489	-17678
8282	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F4B	2142	-14489	-17678
8283	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F1B	2142	-14489	-17678
8284	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F2B	2142	-14489	-17678
8285	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F1B	1750	-13323	-16251
8286	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F2B	1750	-13323	-16251
8287	LC201_ULS_NL3=Wind+Ice_Dir=-90	E2F1B	1229	-5006	2519
8288	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-644
8289	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-644
8290	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-644
8291	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-644
8292	LC201_ULS_NL3=Wind+Ice_Dir=-90	CP	0	0	-735
8293	LC201_ULS_NL3=Wind+Ice_Dir=-90	CX	0	0	-735
8294	LC201_ULS_NL3=Wind+Ice_Dir=-90	CXY	0	0	-735
8295	LC201_ULS_NL3=Wind+Ice_Dir=-90	CY	0	0	-735
8296	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-161
8297	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-161
8298	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-161
8299	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-161
8300	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-192
8301	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-192
8302	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-192
8303	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-192
8304	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-105
8305	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-105
8306	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-105
8307	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-105
8308	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-196
8309	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-196
8310	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-196
8311	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-196
8312	LC201_ULS_NL3=Wind+Ice_Dir=-90	DP	0	0	-80
8313	LC201_ULS_NL3=Wind+Ice_Dir=-90	DX	0	0	-80
8314	LC201_ULS_NL3=Wind+Ice_Dir=-90	DXY	0	0	-80
8315	LC201_ULS_NL3=Wind+Ice_Dir=-90	DY	0	0	-80
8316	LC201_ULS_NL3=Wind+Ice_Dir=-90	TopP	0	0	-158

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8317	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F1A	702	-2457	1258
8318	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F2A	702	-2457	1258
8319	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F3A	702	-350	1391
8320	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F4A	702	-350	1391
8321	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F1A	702	-2457	1258
8322	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F2A	702	-350	1391
8323	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F1A	497	-2729	1411
8324	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F2A	497	-432	1721
8325	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E2F1A	497	-432	1721
8326	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F1B	1000	-7781	-9686
8327	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F2B	1000	-7781	-9686
8328	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F3B	1000	-7781	-9686
8329	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F4B	1000	-7781	-9686
8330	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F1B	1000	-7781	-9686
8331	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F2B	1000	-7781	-9686
8332	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F1B	707	-6602	-8228
8333	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F2B	707	-6602	-8228
8334	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E2F1B	497	-2729	1411
8335	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-435
8336	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-435
8337	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-435
8338	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-435
8339	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-497
8340	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-497
8341	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-497
8342	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-497
8343	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-109
8344	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-109
8345	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-109
8346	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-109
8347	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-130
8348	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-130
8349	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-130
8350	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-130
8351	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-71
8352	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-71
8353	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-71
8354	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-71
8355	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-132
8356	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-132
8357	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-132
8358	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-132
8359	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-54
8360	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-54
8361	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-54
8362	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-54
8363	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-107

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8364	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F1A	1053	-2483	1272
8365	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F2A	1053	-2483	1272
8366	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F3A	1053	-352	1399
8367	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F4A	1053	-352	1399
8368	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F1A	1053	-2483	1272
8369	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F2A	1053	-352	1399
8370	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F1A	746	-2551	1317
8371	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F2A	746	-362	1439
8372	LC203_ULS_NL6a=Cons+Main_Dir=-90	E2F1A	746	-362	1439
8373	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F1B	1500	-8649	-10798
8374	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F2B	1500	-8649	-10798
8375	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F3B	1500	-8649	-10798
8376	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F4B	1500	-8649	-10798
8377	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F1B	1500	-8649	-10798
8378	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F2B	1500	-8649	-10798
8379	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F1B	1061	-7274	-9089
8380	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F2B	1061	-7274	-9089
8381	LC203_ULS_NL6a=Cons+Main_Dir=-90	E2F1B	746	-2551	1317
8382	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-435
8383	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-435
8384	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-435
8385	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-435
8386	LC203_ULS_NL6a=Cons+Main_Dir=-90	CP	0	0	-497
8387	LC203_ULS_NL6a=Cons+Main_Dir=-90	CX	0	0	-497
8388	LC203_ULS_NL6a=Cons+Main_Dir=-90	CXY	0	0	-497
8389	LC203_ULS_NL6a=Cons+Main_Dir=-90	CY	0	0	-497
8390	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-109
8391	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-109
8392	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-109
8393	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-109
8394	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-130
8395	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-130
8396	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-130
8397	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-130
8398	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-71
8399	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-71
8400	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-71
8401	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-71
8402	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-132
8403	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-132
8404	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-132
8405	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-132
8406	LC203_ULS_NL6a=Cons+Main_Dir=-90	DP	0	0	-54
8407	LC203_ULS_NL6a=Cons+Main_Dir=-90	DX	0	0	-54
8408	LC203_ULS_NL6a=Cons+Main_Dir=-90	DXY	0	0	-54
8409	LC203_ULS_NL6a=Cons+Main_Dir=-90	DY	0	0	-54
8410	LC203_ULS_NL6a=Cons+Main_Dir=-90	TopP	0	0	-107

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8411	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F1A	2853	-2483	1272
8412	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F2A	2853	-2483	1272
8413	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F3A	2853	-352	1399
8414	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F4A	2853	-352	1399
8415	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F1A	2853	-2483	1272
8416	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F2A	2853	-352	1399
8417	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F1A	2546	-2551	1317
8418	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F2A	2546	-362	1439
8419	LC204_ULS_NL6b=Linesmen_Dir=-90	E2F1A	2546	-362	1439
8420	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F1B	1500	-8649	-10798
8421	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F2B	1500	-8649	-10798
8422	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F3B	1500	-8649	-10798
8423	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F4B	1500	-8649	-10798
8424	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F1B	1500	-8649	-10798
8425	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F2B	1500	-8649	-10798
8426	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F1B	1061	-7274	-9089
8427	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F2B	1061	-7274	-9089
8428	LC204_ULS_NL6b=Linesmen_Dir=-90	E2F1B	746	-2551	1317
8429	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-435
8430	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-435
8431	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-435
8432	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-435
8433	LC204_ULS_NL6b=Linesmen_Dir=-90	CP	0	0	-497
8434	LC204_ULS_NL6b=Linesmen_Dir=-90	CX	0	0	-497
8435	LC204_ULS_NL6b=Linesmen_Dir=-90	CXY	0	0	-497
8436	LC204_ULS_NL6b=Linesmen_Dir=-90	CY	0	0	-497
8437	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-109
8438	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-109
8439	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-109
8440	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-109
8441	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-130
8442	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-130
8443	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-130
8444	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-130
8445	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-71
8446	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-71
8447	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-71
8448	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-71
8449	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-132
8450	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-132
8451	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-132
8452	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-132
8453	LC204_ULS_NL6b=Linesmen_Dir=-90	DP	0	0	-54
8454	LC204_ULS_NL6b=Linesmen_Dir=-90	DX	0	0	-54
8455	LC204_ULS_NL6b=Linesmen_Dir=-90	DXY	0	0	-54
8456	LC204_ULS_NL6b=Linesmen_Dir=-90	DY	0	0	-54
8457	LC204_ULS_NL6b=Linesmen_Dir=-90	TopP	0	0	-107

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8458	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F1A	0	0	0
8459	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F2A	0	0	0
8460	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F3A	702	-294	1135
8461	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F4A	702	-294	1135
8462	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F1A	0	0	0
8463	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F2A	702	-294	1135
8464	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F1A	0	0	0
8465	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F2A	497	-293	1139
8466	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E2F1A	497	-293	1139
8467	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F1B	1000	-7449	-8608
8468	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F2B	1000	-7449	-8608
8469	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F3B	1000	-7449	-8608
8470	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F4B	1000	-7449	-8608
8471	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F1B	1000	-7449	-8608
8472	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F2B	1000	-7449	-8608
8473	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F1B	707	-6243	-7240
8474	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F2B	707	-6243	-7240
8475	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E2F1B	0	0	0
8476	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
8477	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
8478	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
8479	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
8480	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CP	0	0	-1686
8481	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CX	0	0	-1686
8482	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CXY	0	0	-1686
8483	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CY	0	0	-1686
8484	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
8485	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
8486	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
8487	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
8488	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
8489	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
8490	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
8491	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
8492	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
8493	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
8494	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
8495	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
8496	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
8497	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
8498	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
8499	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
8500	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DP	0	0	-184
8501	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DX	0	0	-184
8502	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DXY	0	0	-184
8503	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DY	0	0	-184
8504	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8505	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F1A	0	0	0
8506	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F2A	0	0	0
8507	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F3A	984	-675	2664
8508	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F4A	984	-675	2664
8509	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F1A	0	0	0
8510	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F2A	984	-675	2664
8511	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F1A	0	0	0
8512	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F2A	754	-812	3215
8513	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E2F1A	754	-812	3215
8514	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F1B	1400	-14513	-17659
8515	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F2B	1400	-14513	-17659
8516	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F3B	1400	-14513	-17659
8517	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F4B	1400	-14513	-17659
8518	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F1B	1400	-14513	-17659
8519	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F2B	1400	-14513	-17659
8520	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F1B	1073	-13346	-16233
8521	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F2B	1073	-13346	-16233
8522	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E2F1B	0	0	0
8523	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
8524	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
8525	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
8526	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
8527	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
8528	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
8529	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
8530	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
8531	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
8532	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
8533	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
8534	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
8535	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
8536	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
8537	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
8538	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
8539	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
8540	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
8541	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
8542	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
8543	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
8544	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
8545	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
8546	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
8547	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
8548	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
8549	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
8550	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
8551	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8552	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F1A	0	0	0
8553	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F2A	0	0	0
8554	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F3A	702	-350	1391
8555	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F4A	702	-350	1391
8556	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F1A	0	0	0
8557	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F2A	702	-350	1391
8558	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F1A	0	0	0
8559	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F2A	497	-432	1721
8560	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E2F1A	497	-432	1721
8561	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F1B	1000	-7787	-9682
8562	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F2B	1000	-7787	-9682
8563	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F3B	1000	-7787	-9682
8564	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F4B	1000	-7787	-9682
8565	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F1B	1000	-7787	-9682
8566	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F2B	1000	-7787	-9682
8567	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F1B	707	-6606	-8225
8568	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F2B	707	-6606	-8225
8569	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E2F1B	0	0	0
8570	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
8571	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
8572	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
8573	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
8574	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
8575	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
8576	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
8577	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
8578	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
8579	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
8580	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
8581	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
8582	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
8583	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
8584	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
8585	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
8586	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
8587	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
8588	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
8589	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
8590	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
8591	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
8592	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
8593	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
8594	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
8595	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
8596	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
8597	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
8598	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8599	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F1A	0	0	0
8600	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F2A	0	0	0
8601	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F3A	1053	-352	1399
8602	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F4A	1053	-352	1399
8603	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F1A	0	0	0
8604	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F2A	1053	-352	1399
8605	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F1A	0	0	0
8606	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F2A	746	-362	1439
8607	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E2F1A	746	-362	1439
8608	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F1B	1500	-8655	-10793
8609	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F2B	1500	-8655	-10793
8610	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F3B	1500	-8655	-10793
8611	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F4B	1500	-8655	-10793
8612	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F1B	1500	-8655	-10793
8613	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F2B	1500	-8655	-10793
8614	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F1B	1061	-7278	-9085
8615	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F2B	1061	-7278	-9085
8616	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E2F1B	0	0	0
8617	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
8618	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
8619	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
8620	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
8621	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
8622	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
8623	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
8624	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
8625	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
8626	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
8627	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
8628	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
8629	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
8630	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
8631	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
8632	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
8633	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
8634	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
8635	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
8636	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
8637	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
8638	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
8639	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
8640	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
8641	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
8642	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
8643	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
8644	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
8645	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8646	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F1A	1800	0	0
8647	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F2A	1800	0	0
8648	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F3A	2853	-352	1399
8649	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F4A	2853	-352	1399
8650	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F1A	1800	0	0
8651	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F2A	2853	-352	1399
8652	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F1A	1800	0	0
8653	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F2A	2546	-362	1439
8654	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E2F1A	2546	-362	1439
8655	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F1B	1500	-8655	-10793
8656	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F2B	1500	-8655	-10793
8657	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F3B	1500	-8655	-10793
8658	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F4B	1500	-8655	-10793
8659	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F1B	1500	-8655	-10793
8660	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F2B	1500	-8655	-10793
8661	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F1B	1061	-7278	-9085
8662	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F2B	1061	-7278	-9085
8663	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E2F1B	0	0	0
8664	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
8665	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
8666	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
8667	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
8668	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CP	0	0	-519
8669	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CX	0	0	-519
8670	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
8671	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CY	0	0	-519
8672	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
8673	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
8674	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
8675	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
8676	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
8677	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
8678	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
8679	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
8680	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
8681	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
8682	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
8683	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
8684	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
8685	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
8686	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
8687	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
8688	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DP	0	0	-57
8689	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DX	0	0	-57
8690	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
8691	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DY	0	0	-57
8692	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8693	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F1A	702	-2062	932
8694	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F2A	702	-2062	932
8695	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F3A	0	0	0
8696	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F4A	0	0	0
8697	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F1A	702	-2062	932
8698	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F2A	0	0	0
8699	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F1A	497	-2087	976
8700	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F2A	0	0	0
8701	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E2F1A	0	0	0
8702	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F1B	1000	-7449	-8608
8703	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F2B	1000	-7449	-8608
8704	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F3B	1000	-7449	-8608
8705	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F4B	1000	-7449	-8608
8706	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F1B	1000	-7449	-8608
8707	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F2B	1000	-7449	-8608
8708	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F1B	707	-6243	-7240
8709	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F2B	707	-6243	-7240
8710	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E2F1B	497	-2087	976
8711	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
8712	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
8713	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
8714	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
8715	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CP	0	0	-1686
8716	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CX	0	0	-1686
8717	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CXY	0	0	-1686
8718	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CY	0	0	-1686
8719	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
8720	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
8721	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
8722	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
8723	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
8724	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
8725	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
8726	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
8727	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
8728	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
8729	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
8730	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
8731	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
8732	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
8733	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
8734	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
8735	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DP	0	0	-184
8736	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DX	0	0	-184
8737	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DXY	0	0	-184
8738	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DY	0	0	-184
8739	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8740	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F1A	984	-4493	2226
8741	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F2A	984	-4493	2226
8742	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F3A	0	0	0
8743	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F4A	0	0	0
8744	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F1A	984	-4493	2226
8745	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F2A	0	0	0
8746	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F1A	754	-5010	2513
8747	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F2A	0	0	0
8748	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E2F1A	0	0	0
8749	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F1B	1400	-14513	-17659
8750	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F2B	1400	-14513	-17659
8751	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F3B	1400	-14513	-17659
8752	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F4B	1400	-14513	-17659
8753	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F1B	1400	-14513	-17659
8754	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F2B	1400	-14513	-17659
8755	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F1B	1073	-13346	-16233
8756	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F2B	1073	-13346	-16233
8757	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E2F1B	754	-5010	2513
8758	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
8759	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
8760	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
8761	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
8762	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
8763	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
8764	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
8765	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
8766	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
8767	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
8768	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
8769	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
8770	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
8771	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
8772	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
8773	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
8774	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
8775	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
8776	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
8777	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
8778	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
8779	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
8780	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
8781	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
8782	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
8783	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
8784	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
8785	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
8786	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8787	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F1A	702	-2458	1256
8788	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F2A	702	-2458	1256
8789	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F3A	0	0	0
8790	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F4A	0	0	0
8791	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F1A	702	-2458	1256
8792	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F2A	0	0	0
8793	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F1A	497	-2729	1410
8794	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F2A	0	0	0
8795	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E2F1A	0	0	0
8796	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F1B	1000	-7787	-9682
8797	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F2B	1000	-7787	-9682
8798	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F3B	1000	-7787	-9682
8799	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F4B	1000	-7787	-9682
8800	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F1B	1000	-7787	-9682
8801	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F2B	1000	-7787	-9682
8802	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F1B	707	-6606	-8225
8803	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F2B	707	-6606	-8225
8804	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E2F1B	497	-2729	1410
8805	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
8806	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
8807	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
8808	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
8809	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
8810	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
8811	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
8812	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
8813	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
8814	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
8815	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
8816	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
8817	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
8818	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
8819	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
8820	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
8821	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
8822	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
8823	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
8824	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
8825	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
8826	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
8827	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
8828	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
8829	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
8830	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
8831	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
8832	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
8833	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8834	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F1A	1053	-2484	1270
8835	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F2A	1053	-2484	1270
8836	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F3A	0	0	0
8837	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F4A	0	0	0
8838	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F1A	1053	-2484	1270
8839	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F2A	0	0	0
8840	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F1A	746	-2552	1316
8841	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F2A	0	0	0
8842	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E2F1A	0	0	0
8843	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F1B	1500	-8655	-10793
8844	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F2B	1500	-8655	-10793
8845	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F3B	1500	-8655	-10793
8846	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F4B	1500	-8655	-10793
8847	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F1B	1500	-8655	-10793
8848	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F2B	1500	-8655	-10793
8849	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F1B	1061	-7278	-9085
8850	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F2B	1061	-7278	-9085
8851	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E2F1B	746	-2552	1316
8852	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
8853	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
8854	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
8855	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
8856	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
8857	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
8858	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
8859	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
8860	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
8861	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
8862	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
8863	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
8864	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
8865	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
8866	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
8867	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
8868	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
8869	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
8870	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
8871	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
8872	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
8873	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
8874	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
8875	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
8876	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
8877	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
8878	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
8879	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
8880	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8881	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F1A	2853	-2484	1270
8882	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F2A	2853	-2484	1270
8883	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F3A	1800	0	0
8884	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F4A	1800	0	0
8885	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F1A	2853	-2484	1270
8886	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F2A	1800	0	0
8887	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F1A	2546	-2552	1316
8888	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F2A	1800	0	0
8889	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E2F1A	1800	0	0
8890	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F1B	1500	-8655	-10793
8891	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F2B	1500	-8655	-10793
8892	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F3B	1500	-8655	-10793
8893	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F4B	1500	-8655	-10793
8894	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F1B	1500	-8655	-10793
8895	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F2B	1500	-8655	-10793
8896	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F1B	1061	-7278	-9085
8897	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F2B	1061	-7278	-9085
8898	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E2F1B	746	-2552	1316
8899	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
8900	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
8901	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
8902	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
8903	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CP	0	0	-519
8904	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CX	0	0	-519
8905	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
8906	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CY	0	0	-519
8907	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
8908	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
8909	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
8910	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
8911	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
8912	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
8913	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
8914	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
8915	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
8916	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
8917	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
8918	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
8919	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
8920	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
8921	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
8922	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
8923	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DP	0	0	-57
8924	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DX	0	0	-57
8925	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
8926	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DY	0	0	-57
8927	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8928	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F1A	702	-2062	932
8929	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F2A	702	-2062	932
8930	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F3A	702	-294	1135
8931	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F4A	702	-294	1135
8932	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F1A	702	-2062	932
8933	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F2A	702	-294	1135
8934	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F1A	497	-2087	976
8935	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F2A	497	-293	1139
8936	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E2F1A	497	-293	1139
8937	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F1B	0	0	0
8938	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F2B	0	0	0
8939	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F3B	1000	-7449	-8608
8940	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F4B	1000	-7449	-8608
8941	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F1B	0	0	0
8942	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F2B	1000	-7449	-8608
8943	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F1B	0	0	0
8944	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F2B	707	-6243	-7240
8945	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E2F1B	497	-2087	976
8946	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
8947	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
8948	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
8949	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
8950	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CP	0	0	-1686
8951	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CX	0	0	-1686
8952	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CXY	0	0	-1686
8953	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CY	0	0	-1686
8954	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
8955	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
8956	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
8957	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
8958	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
8959	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
8960	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
8961	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
8962	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
8963	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
8964	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
8965	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
8966	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
8967	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
8968	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
8969	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
8970	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DP	0	0	-184
8971	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DX	0	0	-184
8972	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DXY	0	0	-184
8973	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DY	0	0	-184
8974	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8975	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F1A	984	-4493	2226
8976	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F2A	984	-4493	2226
8977	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F3A	984	-675	2664
8978	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F4A	984	-675	2664
8979	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F1A	984	-4493	2226
8980	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F2A	984	-675	2664
8981	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F1A	754	-5010	2513
8982	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F2A	754	-812	3215
8983	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E2F1A	754	-812	3215
8984	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F1B	0	0	0
8985	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F2B	0	0	0
8986	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F3B	1400	-14513	-17659
8987	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F4B	1400	-14513	-17659
8988	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F1B	0	0	0
8989	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F2B	1400	-14513	-17659
8990	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F1B	0	0	0
8991	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F2B	1073	-13346	-16233
8992	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E2F1B	754	-5010	2513
8993	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
8994	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
8995	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
8996	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
8997	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
8998	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
8999	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9000	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9001	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9002	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9003	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9004	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9005	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9006	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9007	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9008	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9009	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9010	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9011	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9012	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9013	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9014	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9015	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9016	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9017	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9018	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9019	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9020	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9021	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9022	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F1A	702	-2458	1256
9023	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F2A	702	-2458	1256
9024	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F3A	702	-350	1391
9025	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F4A	702	-350	1391
9026	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F1A	702	-2458	1256
9027	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F2A	702	-350	1391
9028	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F1A	497	-2729	1410
9029	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F2A	497	-432	1721
9030	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E2F1A	497	-432	1721
9031	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F1B	0	0	0
9032	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F2B	0	0	0
9033	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F3B	1000	-7787	-9682
9034	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F4B	1000	-7787	-9682
9035	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F1B	0	0	0
9036	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F2B	1000	-7787	-9682
9037	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F1B	0	0	0
9038	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F2B	707	-6606	-8225
9039	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E2F1B	497	-2729	1410
9040	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9041	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9042	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9043	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9044	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9045	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9046	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9047	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9048	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9049	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9050	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9051	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9052	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9053	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9054	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9055	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9056	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9057	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9058	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9059	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9060	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9061	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9062	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9063	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9064	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9065	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9066	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9067	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9068	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9069	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F1A	1053	-2484	1270
9070	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F2A	1053	-2484	1270
9071	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F3A	1053	-352	1399
9072	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F4A	1053	-352	1399
9073	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F1A	1053	-2484	1270
9074	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F2A	1053	-352	1399
9075	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F1A	746	-2552	1316
9076	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F2A	746	-362	1439
9077	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E2F1A	746	-362	1439
9078	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F1B	0	0	0
9079	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F2B	0	0	0
9080	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F3B	1500	-8655	-10793
9081	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F4B	1500	-8655	-10793
9082	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F1B	0	0	0
9083	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F2B	1500	-8655	-10793
9084	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F1B	0	0	0
9085	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F2B	1061	-7278	-9085
9086	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E2F1B	746	-2552	1316
9087	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9088	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9089	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9090	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9091	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9092	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9093	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9094	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9095	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9096	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9097	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9098	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9099	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9100	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9101	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9102	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9103	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9104	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9105	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9106	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9107	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9108	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9109	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9110	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9111	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9112	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9113	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9114	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9115	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9116	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F1A	2853	-2484	1270
9117	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F2A	2853	-2484	1270
9118	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F3A	2853	-352	1399
9119	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F4A	2853	-352	1399
9120	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F1A	2853	-2484	1270
9121	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F2A	2853	-352	1399
9122	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F1A	2546	-2552	1316
9123	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F2A	2546	-362	1439
9124	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E2F1A	2546	-362	1439
9125	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F1B	0	0	0
9126	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F2B	0	0	0
9127	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F3B	1500	-8655	-10793
9128	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F4B	1500	-8655	-10793
9129	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F1B	0	0	0
9130	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F2B	1500	-8655	-10793
9131	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F1B	0	0	0
9132	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F2B	1061	-7278	-9085
9133	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E2F1B	746	-2552	1316
9134	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9135	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9136	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9137	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9138	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9139	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9140	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9141	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9142	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9143	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9144	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9145	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9146	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9147	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9148	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9149	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9150	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9151	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9152	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9153	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9154	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9155	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9156	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9157	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9158	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9159	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9160	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9161	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9162	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9163	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F1A	702	-2062	932
9164	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F2A	702	-2062	932
9165	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F3A	702	-294	1135
9166	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F4A	702	-294	1135
9167	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F1A	702	-2062	932
9168	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F2A	702	-294	1135
9169	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F1A	497	-2087	976
9170	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F2A	497	-293	1139
9171	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E2F1A	497	-293	1139
9172	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F1B	1000	-7449	-8608
9173	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F2B	1000	-7449	-8608
9174	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F3B	0	0	0
9175	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F4B	0	0	0
9176	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F1B	1000	-7449	-8608
9177	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F2B	0	0	0
9178	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F1B	707	-6243	-7240
9179	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F2B	0	0	0
9180	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E2F1B	497	-2087	976
9181	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
9182	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
9183	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
9184	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
9185	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CP	0	0	-1686
9186	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CX	0	0	-1686
9187	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CXY	0	0	-1686
9188	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CY	0	0	-1686
9189	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
9190	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
9191	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
9192	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
9193	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
9194	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
9195	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
9196	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
9197	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
9198	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
9199	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
9200	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
9201	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
9202	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
9203	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
9204	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
9205	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DP	0	0	-184
9206	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DX	0	0	-184
9207	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DXY	0	0	-184
9208	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DY	0	0	-184
9209	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9210	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F1A	984	-4493	2226
9211	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F2A	984	-4493	2226
9212	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F3A	984	-675	2664
9213	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F4A	984	-675	2664
9214	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F1A	984	-4493	2226
9215	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F2A	984	-675	2664
9216	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F1A	754	-5010	2513
9217	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F2A	754	-812	3215
9218	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E2F1A	754	-812	3215
9219	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F1B	1400	-14513	-17659
9220	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F2B	1400	-14513	-17659
9221	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F3B	0	0	0
9222	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F4B	0	0	0
9223	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F1B	1400	-14513	-17659
9224	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F2B	0	0	0
9225	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F1B	1073	-13346	-16233
9226	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F2B	0	0	0
9227	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E2F1B	754	-5010	2513
9228	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
9229	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
9230	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
9231	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
9232	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
9233	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
9234	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9235	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9236	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9237	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9238	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9239	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9240	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9241	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9242	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9243	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9244	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9245	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9246	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9247	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9248	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9249	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9250	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9251	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9252	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9253	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9254	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9255	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9256	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9257	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F1A	702	-2458	1256
9258	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F2A	702	-2458	1256
9259	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F3A	702	-350	1391
9260	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F4A	702	-350	1391
9261	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F1A	702	-2458	1256
9262	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F2A	702	-350	1391
9263	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F1A	497	-2729	1410
9264	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F2A	497	-432	1721
9265	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E2F1A	497	-432	1721
9266	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F1B	1000	-7787	-9682
9267	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F2B	1000	-7787	-9682
9268	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F3B	0	0	0
9269	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F4B	0	0	0
9270	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F1B	1000	-7787	-9682
9271	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F2B	0	0	0
9272	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F1B	707	-6606	-8225
9273	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F2B	0	0	0
9274	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E2F1B	497	-2729	1410
9275	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9276	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9277	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9278	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9279	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9280	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9281	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9282	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9283	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9284	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9285	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9286	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9287	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9288	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9289	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9290	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9291	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9292	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9293	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9294	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9295	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9296	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9297	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9298	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9299	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9300	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9301	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9302	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9303	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9304	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F1A	1053	-2484	1270
9305	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F2A	1053	-2484	1270
9306	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F3A	1053	-352	1399
9307	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F4A	1053	-352	1399
9308	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F1A	1053	-2484	1270
9309	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F2A	1053	-352	1399
9310	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F1A	746	-2552	1316
9311	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F2A	746	-362	1439
9312	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E2F1A	746	-362	1439
9313	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F1B	1500	-8655	-10793
9314	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F2B	1500	-8655	-10793
9315	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F3B	0	0	0
9316	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F4B	0	0	0
9317	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F1B	1500	-8655	-10793
9318	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F2B	0	0	0
9319	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F1B	1061	-7278	-9085
9320	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F2B	0	0	0
9321	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E2F1B	746	-2552	1316
9322	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9323	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9324	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9325	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9326	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9327	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9328	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9329	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9330	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9331	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9332	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9333	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9334	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9335	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9336	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9337	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9338	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9339	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9340	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9341	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9342	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9343	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9344	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9345	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9346	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9347	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9348	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9349	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9350	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9351	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F1A	2853	-2484	1270
9352	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F2A	2853	-2484	1270
9353	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F3A	2853	-352	1399
9354	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F4A	2853	-352	1399
9355	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F1A	2853	-2484	1270
9356	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F2A	2853	-352	1399
9357	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F1A	2546	-2552	1316
9358	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F2A	2546	-362	1439
9359	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E2F1A	2546	-362	1439
9360	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F1B	1500	-8655	-10793
9361	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F2B	1500	-8655	-10793
9362	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F3B	0	0	0
9363	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F4B	0	0	0
9364	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F1B	1500	-8655	-10793
9365	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F2B	0	0	0
9366	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F1B	1061	-7278	-9085
9367	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F2B	0	0	0
9368	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E2F1B	746	-2552	1316
9369	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9370	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9371	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9372	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9373	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9374	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9375	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9376	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9377	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9378	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9379	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9380	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9381	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9382	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9383	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9384	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9385	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9386	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9387	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9388	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9389	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9390	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9391	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9392	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9393	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9394	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9395	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9396	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9397	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9398	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F1A	0	0	0
9399	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F2A	0	0	0
9400	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F3A	0	0	0
9401	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F4A	0	0	0
9402	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F1A	0	0	0
9403	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F2A	0	0	0
9404	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F1A	0	0	0
9405	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F2A	0	0	0
9406	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E2F1A	0	0	0
9407	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F1B	1000	-7449	-8608
9408	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F2B	1000	-7449	-8608
9409	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F3B	1000	-7449	-8608
9410	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F4B	1000	-7449	-8608
9411	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F1B	1000	-7449	-8608
9412	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F2B	1000	-7449	-8608
9413	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F1B	707	-6243	-7240
9414	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F2B	707	-6243	-7240
9415	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E2F1B	0	0	0
9416	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
9417	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
9418	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
9419	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
9420	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CP	0	0	-1686
9421	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CX	0	0	-1686
9422	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CXY	0	0	-1686
9423	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CY	0	0	-1686
9424	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
9425	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
9426	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
9427	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
9428	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
9429	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
9430	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
9431	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
9432	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
9433	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
9434	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
9435	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
9436	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
9437	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
9438	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
9439	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
9440	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DP	0	0	-184
9441	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DX	0	0	-184
9442	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DXY	0	0	-184
9443	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DY	0	0	-184
9444	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9445	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F1A	0	0	0
9446	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F2A	0	0	0
9447	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F3A	0	0	0
9448	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F4A	0	0	0
9449	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F1A	0	0	0
9450	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F2A	0	0	0
9451	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F1A	0	0	0
9452	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F2A	0	0	0
9453	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E2F1A	0	0	0
9454	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F1B	1400	-14513	-17659
9455	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F2B	1400	-14513	-17659
9456	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F3B	1400	-14513	-17659
9457	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F4B	1400	-14513	-17659
9458	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F1B	1400	-14513	-17659
9459	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F2B	1400	-14513	-17659
9460	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F1B	1073	-13346	-16233
9461	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F2B	1073	-13346	-16233
9462	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E2F1B	0	0	0
9463	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
9464	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
9465	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
9466	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
9467	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
9468	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
9469	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9470	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9471	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9472	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9473	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9474	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9475	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9476	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9477	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9478	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9479	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9480	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9481	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9482	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9483	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9484	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9485	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9486	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9487	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9488	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9489	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9490	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9491	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9492	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F1A	0	0	0
9493	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F2A	0	0	0
9494	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F3A	0	0	0
9495	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F4A	0	0	0
9496	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F1A	0	0	0
9497	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F2A	0	0	0
9498	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F1A	0	0	0
9499	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F2A	0	0	0
9500	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E2F1A	0	0	0
9501	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F1B	1000	-7787	-9682
9502	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F2B	1000	-7787	-9682
9503	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F3B	1000	-7787	-9682
9504	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F4B	1000	-7787	-9682
9505	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F1B	1000	-7787	-9682
9506	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F2B	1000	-7787	-9682
9507	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F1B	707	-6606	-8225
9508	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F2B	707	-6606	-8225
9509	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E2F1B	0	0	0
9510	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9511	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9512	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9513	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9514	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9515	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9516	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9517	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9518	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9519	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9520	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9521	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9522	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9523	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9524	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9525	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9526	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9527	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9528	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9529	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9530	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9531	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9532	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9533	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9534	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9535	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9536	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9537	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9538	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9539	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F1A	0	0	0
9540	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F2A	0	0	0
9541	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F3A	0	0	0
9542	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F4A	0	0	0
9543	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F1A	0	0	0
9544	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F2A	0	0	0
9545	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F1A	0	0	0
9546	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F2A	0	0	0
9547	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E2F1A	0	0	0
9548	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F1B	1500	-8655	-10793
9549	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F2B	1500	-8655	-10793
9550	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F3B	1500	-8655	-10793
9551	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F4B	1500	-8655	-10793
9552	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F1B	1500	-8655	-10793
9553	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F2B	1500	-8655	-10793
9554	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F1B	1061	-7278	-9085
9555	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F2B	1061	-7278	-9085
9556	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E2F1B	0	0	0
9557	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9558	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9559	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9560	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9561	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9562	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9563	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9564	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9565	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9566	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9567	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9568	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9569	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9570	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9571	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9572	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9573	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9574	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9575	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9576	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9577	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9578	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9579	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9580	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9581	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9582	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9583	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9584	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9585	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9586	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F1A	0	0	0
9587	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F2A	0	0	0
9588	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F3A	0	0	0
9589	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F4A	0	0	0
9590	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F1A	0	0	0
9591	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F2A	0	0	0
9592	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F1A	0	0	0
9593	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F2A	0	0	0
9594	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E2F1A	0	0	0
9595	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F1B	3300	-8655	-10793
9596	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F2B	3300	-8655	-10793
9597	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F3B	3300	-8655	-10793
9598	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F4B	3300	-8655	-10793
9599	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F1B	3300	-8655	-10793
9600	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F2B	3300	-8655	-10793
9601	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F1B	2861	-7278	-9085
9602	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F2B	2861	-7278	-9085
9603	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E2F1B	1800	0	0
9604	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9605	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9606	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9607	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9608	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9609	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9610	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9611	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9612	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9613	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9614	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9615	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9616	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9617	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9618	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9619	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9620	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9621	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9622	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9623	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9624	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9625	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9626	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9627	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9628	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9629	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9630	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9631	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9632	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9633	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F1A	702	-2062	932
9634	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F2A	702	-2062	932
9635	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F3A	702	-294	1135
9636	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F4A	702	-294	1135
9637	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F1A	702	-2062	932
9638	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F2A	702	-294	1135
9639	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F1A	497	-2087	976
9640	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F2A	497	-293	1139
9641	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E2F1A	497	-293	1139
9642	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F1B	0	0	0
9643	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F2B	0	0	0
9644	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F3B	0	0	0
9645	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F4B	0	0	0
9646	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F1B	0	0	0
9647	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F2B	0	0	0
9648	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F1B	0	0	0
9649	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F2B	0	0	0
9650	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E2F1B	497	-2087	976
9651	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
9652	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
9653	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
9654	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
9655	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CP	0	0	-1686
9656	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CX	0	0	-1686
9657	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CXY	0	0	-1686
9658	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CY	0	0	-1686
9659	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
9660	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
9661	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
9662	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
9663	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
9664	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
9665	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
9666	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
9667	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
9668	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
9669	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
9670	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
9671	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
9672	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
9673	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
9674	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
9675	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DP	0	0	-184
9676	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DX	0	0	-184
9677	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DXY	0	0	-184
9678	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DY	0	0	-184
9679	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9680	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F1A	984	-4493	2226
9681	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F2A	984	-4493	2226
9682	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F3A	984	-675	2664
9683	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F4A	984	-675	2664
9684	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F1A	984	-4493	2226
9685	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F2A	984	-675	2664
9686	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F1A	754	-5010	2513
9687	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F2A	754	-812	3215
9688	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E2F1A	754	-812	3215
9689	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F1B	0	0	0
9690	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F2B	0	0	0
9691	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F3B	0	0	0
9692	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F4B	0	0	0
9693	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F1B	0	0	0
9694	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F2B	0	0	0
9695	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F1B	0	0	0
9696	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F2B	0	0	0
9697	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E2F1B	754	-5010	2513
9698	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
9699	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
9700	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
9701	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
9702	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
9703	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
9704	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9705	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9706	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9707	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9708	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9709	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9710	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9711	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9712	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9713	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9714	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9715	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9716	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9717	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9718	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9719	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9720	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9721	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9722	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9723	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9724	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9725	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9726	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9727	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F1A	702	-2458	1256
9728	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F2A	702	-2458	1256
9729	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F3A	702	-350	1391
9730	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F4A	702	-350	1391
9731	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F1A	702	-2458	1256
9732	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F2A	702	-350	1391
9733	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F1A	497	-2729	1410
9734	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F2A	497	-432	1721
9735	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E2F1A	497	-432	1721
9736	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F1B	0	0	0
9737	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F2B	0	0	0
9738	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F3B	0	0	0
9739	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F4B	0	0	0
9740	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F1B	0	0	0
9741	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F2B	0	0	0
9742	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F1B	0	0	0
9743	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F2B	0	0	0
9744	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E2F1B	497	-2729	1410
9745	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9746	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9747	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9748	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9749	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9750	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9751	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9752	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9753	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9754	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9755	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9756	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9757	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9758	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9759	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9760	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9761	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9762	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9763	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9764	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9765	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9766	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9767	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9768	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9769	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9770	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9771	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9772	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9773	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9774	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F1A	1053	-2484	1270
9775	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F2A	1053	-2484	1270
9776	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F3A	1053	-352	1399
9777	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F4A	1053	-352	1399
9778	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F1A	1053	-2484	1270
9779	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F2A	1053	-352	1399
9780	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F1A	746	-2552	1316
9781	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F2A	746	-362	1439
9782	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E2F1A	746	-362	1439
9783	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F1B	0	0	0
9784	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F2B	0	0	0
9785	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F3B	0	0	0
9786	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F4B	0	0	0
9787	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F1B	0	0	0
9788	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F2B	0	0	0
9789	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F1B	0	0	0
9790	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F2B	0	0	0
9791	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E2F1B	746	-2552	1316
9792	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9793	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9794	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9795	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9796	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9797	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9798	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9799	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9800	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9801	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9802	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9803	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9804	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9805	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9806	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9807	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9808	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9809	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9810	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9811	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9812	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9813	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9814	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9815	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9816	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9817	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9818	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9819	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9820	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9821	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F1A	2853	-2484	1270
9822	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F2A	2853	-2484	1270
9823	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F3A	2853	-352	1399
9824	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F4A	2853	-352	1399
9825	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F1A	2853	-2484	1270
9826	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F2A	2853	-352	1399
9827	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F1A	2546	-2552	1316
9828	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F2A	2546	-362	1439
9829	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E2F1A	2546	-362	1439
9830	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F1B	0	0	0
9831	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F2B	0	0	0
9832	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F3B	0	0	0
9833	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F4B	0	0	0
9834	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F1B	0	0	0
9835	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F2B	0	0	0
9836	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F1B	0	0	0
9837	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F2B	0	0	0
9838	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E2F1B	746	-2552	1316
9839	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9840	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9841	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9842	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9843	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9844	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9845	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9846	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9847	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9848	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9849	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9850	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9851	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9852	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9853	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9854	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9855	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9856	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9857	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9858	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9859	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9860	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9861	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9862	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9863	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9864	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9865	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9866	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9867	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9868	LC235_SeLS_NL1a=Wind_Dir=-90	C1F1A	669	-1987	845
9869	LC235_SeLS_NL1a=Wind_Dir=-90	C1F2A	669	-1987	845
9870	LC235_SeLS_NL1a=Wind_Dir=-90	C1F3A	669	-284	1080
9871	LC235_SeLS_NL1a=Wind_Dir=-90	C1F4A	669	-284	1080
9872	LC235_SeLS_NL1a=Wind_Dir=-90	C2F1A	669	-1987	845
9873	LC235_SeLS_NL1a=Wind_Dir=-90	C2F2A	669	-284	1080
9874	LC235_SeLS_NL1a=Wind_Dir=-90	E1F1A	473	-2005	895
9875	LC235_SeLS_NL1a=Wind_Dir=-90	E1F2A	473	-282	1084
9876	LC235_SeLS_NL1a=Wind_Dir=-90	E2F1A	473	-282	1084
9877	LC235_SeLS_NL1a=Wind_Dir=-90	C1F1B	952	-7242	-8082
9878	LC235_SeLS_NL1a=Wind_Dir=-90	C1F2B	952	-7242	-8082
9879	LC235_SeLS_NL1a=Wind_Dir=-90	C1F3B	952	-7242	-8082
9880	LC235_SeLS_NL1a=Wind_Dir=-90	C1F4B	952	-7242	-8082
9881	LC235_SeLS_NL1a=Wind_Dir=-90	C2F1B	952	-7242	-8082
9882	LC235_SeLS_NL1a=Wind_Dir=-90	C2F2B	952	-7242	-8082
9883	LC235_SeLS_NL1a=Wind_Dir=-90	E1F1B	674	-6066	-6802
9884	LC235_SeLS_NL1a=Wind_Dir=-90	E1F2B	674	-6066	-6802
9885	LC235_SeLS_NL1a=Wind_Dir=-90	E2F1B	473	-2005	895
9886	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5S	0	0	-1893
9887	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5X	0	0	-1893
9888	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1893
9889	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1893
9890	LC235_SeLS_NL1a=Wind_Dir=-90	CP	0	0	-2162
9891	LC235_SeLS_NL1a=Wind_Dir=-90	CX	0	0	-2162
9892	LC235_SeLS_NL1a=Wind_Dir=-90	CXY	0	0	-2162
9893	LC235_SeLS_NL1a=Wind_Dir=-90	CY	0	0	-2162
9894	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10S	0	0	-475
9895	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10X	0	0	-475
9896	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10XY	0	0	-475
9897	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10Y	0	0	-475
9898	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1P	0	0	-565
9899	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1X	0	0	-565
9900	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-565
9901	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-565
9902	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12S	0	0	-310
9903	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12X	0	0	-310
9904	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12XY	0	0	-310
9905	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12Y	0	0	-310
9906	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1P	0	0	-576
9907	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1X	0	0	-576
9908	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-576
9909	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-576
9910	LC235_SeLS_NL1a=Wind_Dir=-90	DP	0	0	-236
9911	LC235_SeLS_NL1a=Wind_Dir=-90	DX	0	0	-236
9912	LC235_SeLS_NL1a=Wind_Dir=-90	DXY	0	0	-236
9913	LC235_SeLS_NL1a=Wind_Dir=-90	DY	0	0	-236
9914	LC235_SeLS_NL1a=Wind_Dir=-90	TopP	0	0	-463

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9915	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F1A	1496	-4271	2135
9916	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F2A	1496	-4271	2135
9917	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F3A	1496	-642	2537
9918	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F4A	1496	-642	2537
9919	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F1A	1496	-4271	2135
9920	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F2A	1496	-642	2537
9921	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F1A	1228	-4764	2407
9922	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F2A	1228	-772	3062
9923	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E2F1A	1228	-772	3062
9924	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F1B	2130	-13769	-16859
9925	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F2B	2130	-13769	-16859
9926	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F3B	2130	-13769	-16859
9927	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F4B	2130	-13769	-16859
9928	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F1B	2130	-13769	-16859
9929	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F2B	2130	-13769	-16859
9930	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F1B	1748	-12662	-15499
9931	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F2B	1748	-12662	-15499
9932	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E2F1B	1228	-4764	2407
9933	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-568
9934	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-568
9935	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-568
9936	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-568
9937	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CP	0	0	-649
9938	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CX	0	0	-649
9939	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CXY	0	0	-649
9940	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CY	0	0	-649
9941	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-142
9942	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-142
9943	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-142
9944	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-142
9945	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-170
9946	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-170
9947	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-170
9948	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-170
9949	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-93
9950	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-93
9951	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-93
9952	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-93
9953	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-173
9954	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-173
9955	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-173
9956	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-173
9957	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DP	0	0	-71
9958	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DX	0	0	-71
9959	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DXY	0	0	-71
9960	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DY	0	0	-71
9961	LC236_SeLS_NL3=Wind+Ice_Dir=-90	TopP	0	0	-139

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9962	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F1A	669	-2338	1201
9963	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F2A	669	-2338	1201
9964	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F3A	669	-333	1325
9965	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F4A	669	-333	1325
9966	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F1A	669	-2338	1201
9967	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F2A	669	-333	1325
9968	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F1A	473	-2597	1347
9969	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F2A	473	-411	1639
9970	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E2F1A	473	-411	1639
9971	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F1B	952	-7400	-9234
9972	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F2B	952	-7400	-9234
9973	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F3B	952	-7400	-9234
9974	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F4B	952	-7400	-9234
9975	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F1B	952	-7400	-9234
9976	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F2B	952	-7400	-9234
9977	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F1B	674	-6278	-7843
9978	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F2B	674	-6278	-7843
9979	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E2F1B	473	-2597	1347
9980	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-379
9981	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-379
9982	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-379
9983	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-379
9984	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-432
9985	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-432
9986	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-432
9987	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-432
9988	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-95
9989	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-95
9990	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-95
9991	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-95
9992	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-113
9993	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-113
9994	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-113
9995	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-113
9996	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-62
9997	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-62
9998	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-62
9999	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-62
10000	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-115
10001	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-115
10002	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-115
10003	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-115
10004	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-47
10005	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-47
10006	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-47
10007	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-47
10008	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-93

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10009	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F1A	1003	-2364	1214
10010	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F2A	1003	-2364	1214
10011	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F3A	1003	-335	1333
10012	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F4A	1003	-335	1333
10013	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F1A	1003	-2364	1214
10014	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F2A	1003	-335	1333
10015	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F1A	710	-2428	1257
10016	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F2A	710	-344	1371
10017	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E2F1A	710	-344	1371
10018	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F1B	1428	-8227	-10292
10019	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F2B	1428	-8227	-10292
10020	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F3B	1428	-8227	-10292
10021	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F4B	1428	-8227	-10292
10022	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F1B	1428	-8227	-10292
10023	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F2B	1428	-8227	-10292
10024	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F1B	1011	-6919	-8663
10025	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F2B	1011	-6919	-8663
10026	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E2F1B	710	-2428	1257
10027	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-379
10028	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-379
10029	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-379
10030	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-379
10031	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CP	0	0	-432
10032	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CX	0	0	-432
10033	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CXY	0	0	-432
10034	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CY	0	0	-432
10035	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-95
10036	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-95
10037	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-95
10038	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-95
10039	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-113
10040	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-113
10041	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-113
10042	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-113
10043	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-62
10044	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-62
10045	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-62
10046	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-62
10047	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-115
10048	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-115
10049	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-115
10050	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-115
10051	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DP	0	0	-47
10052	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DX	0	0	-47
10053	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DXY	0	0	-47
10054	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DY	0	0	-47
10055	LC238_SeLS_NL6a=Cons+Main_Dir=-90	TopP	0	0	-93

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10056	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F1A	2503	-2364	1214
10057	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F2A	2503	-2364	1214
10058	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F3A	2503	-335	1333
10059	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F4A	2503	-335	1333
10060	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F1A	2503	-2364	1214
10061	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F2A	2503	-335	1333
10062	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F1A	2210	-2428	1257
10063	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F2A	2210	-344	1371
10064	LC239_SeLS_NL6b=Linesmen_Dir=-90	E2F1A	2210	-344	1371
10065	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F1B	1428	-8227	-10292
10066	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F2B	1428	-8227	-10292
10067	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F3B	1428	-8227	-10292
10068	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F4B	1428	-8227	-10292
10069	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F1B	1428	-8227	-10292
10070	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F2B	1428	-8227	-10292
10071	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F1B	1011	-6919	-8663
10072	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F2B	1011	-6919	-8663
10073	LC239_SeLS_NL6b=Linesmen_Dir=-90	E2F1B	710	-2428	1257
10074	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-379
10075	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-379
10076	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-379
10077	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-379
10078	LC239_SeLS_NL6b=Linesmen_Dir=-90	CP	0	0	-432
10079	LC239_SeLS_NL6b=Linesmen_Dir=-90	CX	0	0	-432
10080	LC239_SeLS_NL6b=Linesmen_Dir=-90	CXY	0	0	-432
10081	LC239_SeLS_NL6b=Linesmen_Dir=-90	CY	0	0	-432
10082	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-95
10083	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-95
10084	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-95
10085	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-95
10086	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-113
10087	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-113
10088	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-113
10089	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-113
10090	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-62
10091	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-62
10092	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-62
10093	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-62
10094	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-115
10095	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-115
10096	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-115
10097	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-115
10098	LC239_SeLS_NL6b=Linesmen_Dir=-90	DP	0	0	-47
10099	LC239_SeLS_NL6b=Linesmen_Dir=-90	DX	0	0	-47
10100	LC239_SeLS_NL6b=Linesmen_Dir=-90	DXY	0	0	-47
10101	LC239_SeLS_NL6b=Linesmen_Dir=-90	DY	0	0	-47
10102	LC239_SeLS_NL6b=Linesmen_Dir=-90	TopP	0	0	-93

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10103	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1A	702	-3126	1662
10104	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2A	702	-3126	1662
10105	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3A	702	-1314	5270
10106	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4A	702	-1314	5270
10107	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1A	702	-3126	1662
10108	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2A	702	-1314	5270
10109	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1A	717	-3601	1915
10110	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2A	717	-1446	5798
10111	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1A	717	-1446	5798
10112	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1B	1000	-16106	-20615
10113	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2B	1000	-16106	-20615
10114	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3B	1000	-16106	-20615
10115	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4B	1000	-16106	-20615
10116	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1B	1000	-16106	-20615
10117	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2B	1000	-16106	-20615
10118	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1B	1437	-14964	-19153
10119	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2B	1437	-14964	-19153
10120	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1B	717	-3601	1915

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10121	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1A	669	-2977	1583
10122	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2A	669	-2977	1583
10123	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3A	669	-1251	5019
10124	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4A	669	-1251	5019
10125	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1A	669	-2977	1583
10126	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2A	669	-1251	5019
10127	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1A	700	-3429	1823
10128	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2A	700	-1377	5522
10129	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1A	700	-1377	5522
10130	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1B	952	-15339	-19633
10131	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2B	952	-15339	-19633
10132	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3B	952	-15339	-19633
10133	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4B	952	-15339	-19633
10134	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1B	952	-15339	-19633
10135	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2B	952	-15339	-19633
10136	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1B	1426	-14252	-18241
10137	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2B	1426	-14252	-18241
10138	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1B	700	-3429	1823

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10139	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	632	-972	508
10140	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	632	-972	508
10141	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	632	-535	1722
10142	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	632	-535	1722
10143	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	632	-972	508
10144	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	632	-535	1722
10145	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	447	-958	502
10146	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	447	-523	1753
10147	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	447	-523	1753
10148	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	900	-13171	-13319
10149	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	900	-13171	-13319
10150	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	900	-13171	-13319
10151	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	900	-13171	-13319
10152	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	900	-13171	-13319
10153	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	900	-13171	-13319
10154	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	637	-11081	-11314
10155	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	637	-11081	-11314
10156	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	447	-958	502
10157	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-2003	1565
10158	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-2003	1565
10159	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-2003	1565
10160	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-2003	1565
10161	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-2287	1787
10162	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-2287	1787
10163	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-2287	1787
10164	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-2287	1787
10165	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-1315	1027
10166	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-1315	1027
10167	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-1315	1027
10168	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-1315	1027
10169	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-598	467
10170	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-598	467
10171	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-598	467
10172	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-598	467
10173	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-764	597
10174	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-764	597
10175	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-764	597
10176	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-764	597
10177	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-609	476
10178	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-609	476
10179	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-609	476
10180	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-609	476
10181	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-580	453
10182	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-580	453
10183	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-580	453
10184	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-580	453
10185	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-490	383

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10186	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	1354	-2311	1223
10187	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	1354	-2311	1223
10188	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	1354	-1047	3924
10189	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	1354	-1047	3924
10190	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	1354	-2311	1223
10191	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	1354	-1047	3924
10192	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	1106	-2744	1453
10193	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	1106	-1181	4484
10194	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	1106	-1181	4484
10195	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1928	-22018	-25896
10196	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1928	-22018	-25896
10197	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1928	-22018	-25896
10198	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1928	-22018	-25896
10199	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1928	-22018	-25896
10200	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1928	-22018	-25896
10201	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1575	-20928	-24671
10202	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1575	-20928	-24671
10203	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	1106	-2744	1453
10204	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-603	471
10205	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-603	471
10206	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-603	471
10207	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-603	471
10208	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-688	538
10209	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-688	538
10210	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-688	538
10211	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-688	538
10212	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-396	309
10213	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-396	309
10214	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-396	309
10215	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-396	309
10216	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-180	141
10217	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-180	141
10218	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-180	141
10219	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-180	141
10220	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-230	180
10221	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-230	180
10222	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-230	180
10223	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-230	180
10224	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-183	143
10225	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-183	143
10226	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-183	143
10227	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-183	143
10228	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-175	136
10229	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-175	136
10230	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-175	136
10231	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-175	136
10232	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-148	115

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10233	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	632	-1253	664
10234	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	632	-1253	664
10235	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	632	-543	2090
10236	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	632	-543	2090
10237	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	632	-1253	664
10238	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	632	-543	2090
10239	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	447	-1396	741
10240	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	447	-641	2502
10241	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	447	-641	2502
10242	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	900	-12645	-15465
10243	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	900	-12645	-15465
10244	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	900	-12645	-15465
10245	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	900	-12645	-15465
10246	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	900	-12645	-15465
10247	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	900	-12645	-15465
10248	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	637	-10712	-13126
10249	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	637	-10712	-13126
10250	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	447	-1396	741
10251	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-408	319
10252	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-408	319
10253	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-408	319
10254	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-408	319
10255	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-466	364
10256	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-466	364
10257	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-466	364
10258	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-466	364
10259	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-268	209
10260	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-268	209
10261	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-268	209
10262	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-268	209
10263	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-122	95
10264	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-122	95
10265	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-122	95
10266	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-122	95
10267	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-156	122
10268	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-156	122
10269	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-156	122
10270	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-156	122
10271	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-124	97
10272	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-124	97
10273	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-124	97
10274	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-124	97
10275	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-118	92
10276	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-118	92
10277	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-118	92
10278	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-118	92
10279	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-100	78

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10280	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	948	-1199	636
10281	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	948	-1199	636
10282	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	948	-556	2143
10283	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	948	-556	2143
10284	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	948	-1199	636
10285	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	948	-556	2143
10286	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	671	-1203	638
10287	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	671	-571	2221
10288	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	671	-571	2221
10289	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1350	-14250	-17519
10290	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1350	-14250	-17519
10291	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1350	-14250	-17519
10292	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1350	-14250	-17519
10293	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1350	-14250	-17519
10294	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1350	-14250	-17519
10295	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	955	-12048	-14837
10296	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	955	-12048	-14837
10297	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
10298	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-408	319
10299	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-408	319
10300	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-408	319
10301	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-408	319
10302	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-466	364
10303	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-466	364
10304	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-466	364
10305	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-466	364
10306	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-268	209
10307	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-268	209
10308	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-268	209
10309	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-268	209
10310	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-122	95
10311	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-122	95
10312	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-122	95
10313	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-122	95
10314	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-156	122
10315	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-156	122
10316	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-156	122
10317	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-156	122
10318	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-124	97
10319	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-124	97
10320	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-124	97
10321	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-124	97
10322	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-118	92
10323	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-118	92
10324	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-118	92
10325	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-118	92
10326	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-100	78

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10327	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2568	-1199	636
10328	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2568	-1199	636
10329	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2568	-556	2143
10330	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2568	-556	2143
10331	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2568	-1199	636
10332	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2568	-556	2143
10333	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2291	-1203	638
10334	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2291	-571	2221
10335	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2291	-571	2221
10336	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1350	-14250	-17519
10337	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1350	-14250	-17519
10338	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1350	-14250	-17519
10339	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1350	-14250	-17519
10340	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1350	-14250	-17519
10341	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1350	-14250	-17519
10342	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	955	-12048	-14837
10343	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	955	-12048	-14837
10344	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
10345	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-408	319
10346	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-408	319
10347	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-408	319
10348	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-408	319
10349	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-466	364
10350	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-466	364
10351	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-466	364
10352	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-466	364
10353	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-268	209
10354	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-268	209
10355	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-268	209
10356	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-268	209
10357	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-122	95
10358	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-122	95
10359	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-122	95
10360	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-122	95
10361	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-156	122
10362	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-156	122
10363	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-156	122
10364	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-156	122
10365	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-124	97
10366	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-124	97
10367	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-124	97
10368	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-124	97
10369	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-118	92
10370	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-118	92
10371	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-118	92
10372	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-118	92
10373	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-100	78

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10374	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
10375	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
10376	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	632	-504	1730
10377	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	632	-504	1730
10378	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
10379	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	632	-504	1730
10380	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
10381	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	447	-498	1759
10382	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	447	-498	1759
10383	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	900	-12640	-13734
10384	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	900	-12640	-13734
10385	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	900	-12640	-13734
10386	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	900	-12640	-13734
10387	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	900	-12640	-13734
10388	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	900	-12640	-13734
10389	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	637	-10650	-11651
10390	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	637	-10650	-11651
10391	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
10392	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
10393	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
10394	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
10395	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
10396	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
10397	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
10398	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
10399	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
10400	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
10401	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
10402	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
10403	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
10404	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
10405	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
10406	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
10407	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
10408	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
10409	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
10410	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
10411	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
10412	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
10413	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
10414	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
10415	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
10416	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
10417	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
10418	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
10419	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
10420	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10421	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	0	0	0
10422	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	0	0	0
10423	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	885	-1050	3923
10424	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	885	-1050	3923
10425	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	0	0	0
10426	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	885	-1050	3923
10427	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	0	0	0
10428	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	678	-1185	4483
10429	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	678	-1185	4483
10430	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1260	-22083	-25845
10431	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1260	-22083	-25845
10432	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1260	-22083	-25845
10433	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1260	-22083	-25845
10434	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1260	-22083	-25845
10435	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1260	-22083	-25845
10436	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	965	-20989	-24624
10437	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	965	-20989	-24624
10438	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	0	0	0
10439	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
10440	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
10441	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
10442	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
10443	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
10444	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
10445	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
10446	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
10447	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
10448	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
10449	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
10450	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
10451	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
10452	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
10453	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
10454	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
10455	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
10456	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
10457	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
10458	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
10459	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
10460	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
10461	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
10462	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
10463	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
10464	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
10465	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
10466	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
10467	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10468	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
10469	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
10470	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	632	-543	2089
10471	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	632	-543	2089
10472	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
10473	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	632	-543	2089
10474	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
10475	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	447	-642	2502
10476	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	447	-642	2502
10477	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	900	-12660	-15453
10478	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	900	-12660	-15453
10479	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	900	-12660	-15453
10480	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	900	-12660	-15453
10481	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	900	-12660	-15453
10482	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	900	-12660	-15453
10483	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	637	-10724	-13116
10484	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	637	-10724	-13116
10485	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
10486	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10487	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10488	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10489	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10490	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
10491	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
10492	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
10493	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
10494	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10495	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10496	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10497	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10498	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10499	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10500	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10501	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10502	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10503	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10504	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10505	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10506	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10507	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10508	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10509	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10510	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
10511	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
10512	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
10513	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
10514	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10515	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	0	0	0
10516	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	0	0	0
10517	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	948	-557	2143
10518	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	948	-557	2143
10519	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	0	0	0
10520	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	948	-557	2143
10521	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	0	0	0
10522	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	671	-572	2220
10523	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	671	-572	2220
10524	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
10525	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
10526	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
10527	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
10528	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
10529	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
10530	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
10531	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
10532	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	0	0	0
10533	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10534	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10535	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10536	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10537	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
10538	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
10539	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
10540	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
10541	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10542	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10543	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10544	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10545	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10546	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10547	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10548	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10549	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10550	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10551	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10552	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10553	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10554	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10555	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10556	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10557	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
10558	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
10559	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
10560	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
10561	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10562	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	1620	0	0
10563	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	1620	0	0
10564	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2568	-557	2143
10565	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2568	-557	2143
10566	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	1620	0	0
10567	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2568	-557	2143
10568	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	1620	0	0
10569	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2291	-572	2220
10570	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2291	-572	2220
10571	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
10572	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
10573	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
10574	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
10575	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
10576	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
10577	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
10578	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
10579	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	0	0	0
10580	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10581	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10582	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10583	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10584	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
10585	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
10586	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
10587	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
10588	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10589	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10590	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10591	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10592	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10593	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10594	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10595	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10596	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10597	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10598	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10599	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10600	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10601	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10602	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10603	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10604	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
10605	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
10606	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
10607	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
10608	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10609	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	632	-971	510
10610	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	632	-971	510
10611	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
10612	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
10613	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	632	-971	510
10614	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
10615	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	447	-958	504
10616	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
10617	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
10618	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	900	-12640	-13734
10619	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	900	-12640	-13734
10620	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	900	-12640	-13734
10621	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	900	-12640	-13734
10622	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	900	-12640	-13734
10623	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	900	-12640	-13734
10624	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	637	-10650	-11651
10625	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	637	-10650	-11651
10626	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	447	-958	504
10627	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
10628	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
10629	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
10630	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
10631	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
10632	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
10633	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
10634	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
10635	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
10636	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
10637	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
10638	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
10639	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
10640	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
10641	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
10642	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
10643	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
10644	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
10645	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
10646	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
10647	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
10648	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
10649	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
10650	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
10651	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
10652	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
10653	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
10654	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
10655	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10656	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	885	-2311	1223
10657	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	885	-2311	1223
10658	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	0	0	0
10659	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	0	0	0
10660	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	885	-2311	1223
10661	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	0	0	0
10662	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	678	-2744	1453
10663	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	0	0	0
10664	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	0	0	0
10665	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1260	-22083	-25845
10666	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1260	-22083	-25845
10667	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1260	-22083	-25845
10668	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1260	-22083	-25845
10669	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1260	-22083	-25845
10670	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1260	-22083	-25845
10671	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	965	-20989	-24624
10672	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	965	-20989	-24624
10673	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	678	-2744	1453
10674	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
10675	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
10676	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
10677	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
10678	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
10679	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
10680	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
10681	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
10682	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
10683	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
10684	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
10685	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
10686	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
10687	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
10688	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
10689	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
10690	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
10691	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
10692	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
10693	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
10694	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
10695	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
10696	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
10697	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
10698	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
10699	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
10700	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
10701	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
10702	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10703	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	632	-1253	664
10704	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	632	-1253	664
10705	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
10706	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
10707	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	632	-1253	664
10708	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
10709	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	447	-1396	741
10710	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
10711	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
10712	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	900	-12660	-15453
10713	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	900	-12660	-15453
10714	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	900	-12660	-15453
10715	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	900	-12660	-15453
10716	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	900	-12660	-15453
10717	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	900	-12660	-15453
10718	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	637	-10724	-13116
10719	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	637	-10724	-13116
10720	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	447	-1396	741
10721	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10722	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10723	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10724	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10725	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
10726	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
10727	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
10728	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
10729	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10730	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10731	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10732	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10733	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10734	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10735	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10736	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10737	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10738	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10739	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10740	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10741	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10742	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10743	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10744	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10745	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
10746	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
10747	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
10748	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
10749	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10750	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	948	-1199	636
10751	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	948	-1199	636
10752	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	0	0	0
10753	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	0	0	0
10754	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	948	-1199	636
10755	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	0	0	0
10756	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	671	-1203	638
10757	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	0	0	0
10758	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	0	0	0
10759	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
10760	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
10761	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
10762	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
10763	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
10764	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
10765	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
10766	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
10767	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
10768	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10769	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10770	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10771	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10772	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
10773	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
10774	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
10775	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
10776	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10777	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10778	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10779	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10780	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10781	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10782	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10783	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10784	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10785	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10786	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10787	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10788	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10789	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10790	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10791	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10792	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
10793	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
10794	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
10795	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
10796	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10797	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2568	-1199	636
10798	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2568	-1199	636
10799	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	1620	0	0
10800	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	1620	0	0
10801	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2568	-1199	636
10802	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	1620	0	0
10803	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2291	-1203	638
10804	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	1620	0	0
10805	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	1620	0	0
10806	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
10807	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
10808	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
10809	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
10810	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
10811	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
10812	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
10813	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
10814	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
10815	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10816	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10817	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10818	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10819	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
10820	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
10821	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
10822	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
10823	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10824	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10825	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10826	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10827	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10828	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10829	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10830	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10831	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10832	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10833	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10834	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10835	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10836	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10837	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10838	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10839	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
10840	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
10841	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
10842	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
10843	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10844	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	632	-971	510
10845	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	632	-971	510
10846	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	632	-504	1730
10847	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	632	-504	1730
10848	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	632	-971	510
10849	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	632	-504	1730
10850	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	447	-958	504
10851	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	447	-498	1759
10852	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	447	-498	1759
10853	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
10854	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
10855	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	900	-12640	-13734
10856	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	900	-12640	-13734
10857	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
10858	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	900	-12640	-13734
10859	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
10860	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	637	-10650	-11651
10861	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	447	-958	504
10862	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
10863	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
10864	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
10865	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
10866	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
10867	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
10868	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
10869	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
10870	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
10871	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
10872	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
10873	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
10874	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
10875	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
10876	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
10877	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
10878	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
10879	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
10880	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
10881	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
10882	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
10883	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
10884	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
10885	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
10886	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
10887	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
10888	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
10889	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
10890	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10891	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	885	-2311	1223
10892	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	885	-2311	1223
10893	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	885	-1050	3923
10894	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	885	-1050	3923
10895	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	885	-2311	1223
10896	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	885	-1050	3923
10897	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	678	-2744	1453
10898	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	678	-1185	4483
10899	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	678	-1185	4483
10900	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	0	0	0
10901	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	0	0	0
10902	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1260	-22083	-25845
10903	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1260	-22083	-25845
10904	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	0	0	0
10905	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1260	-22083	-25845
10906	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	0	0	0
10907	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	965	-20989	-24624
10908	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	678	-2744	1453
10909	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
10910	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
10911	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
10912	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
10913	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
10914	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
10915	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
10916	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
10917	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
10918	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
10919	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
10920	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
10921	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
10922	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
10923	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
10924	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
10925	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
10926	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
10927	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
10928	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
10929	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
10930	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
10931	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
10932	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
10933	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
10934	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
10935	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
10936	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
10937	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10938	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	632	-1253	664
10939	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	632	-1253	664
10940	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	632	-543	2089
10941	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	632	-543	2089
10942	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	632	-1253	664
10943	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	632	-543	2089
10944	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	447	-1396	741
10945	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	447	-642	2502
10946	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	447	-642	2502
10947	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
10948	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
10949	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	900	-12660	-15453
10950	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	900	-12660	-15453
10951	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
10952	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	900	-12660	-15453
10953	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
10954	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	637	-10724	-13116
10955	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	447	-1396	741
10956	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10957	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10958	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10959	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10960	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
10961	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
10962	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
10963	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
10964	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10965	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10966	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10967	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10968	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10969	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10970	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10971	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10972	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10973	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10974	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10975	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10976	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10977	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10978	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10979	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10980	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
10981	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
10982	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
10983	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
10984	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10985	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	948	-1199	636
10986	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	948	-1199	636
10987	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	948	-557	2143
10988	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	948	-557	2143
10989	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	948	-1199	636
10990	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	948	-557	2143
10991	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	671	-1203	638
10992	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	671	-572	2220
10993	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	671	-572	2220
10994	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	0	0	0
10995	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	0	0	0
10996	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
10997	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
10998	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	0	0	0
10999	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
11000	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	0	0	0
11001	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
11002	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
11003	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11004	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11005	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11006	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11007	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11008	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11009	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11010	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11011	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11012	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11013	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11014	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11015	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11016	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11017	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11018	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11019	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11020	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11021	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11022	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11023	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11024	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11025	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11026	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11027	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11028	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11029	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11030	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11031	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11032	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2568	-1199	636
11033	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2568	-1199	636
11034	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2568	-557	2143
11035	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2568	-557	2143
11036	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2568	-1199	636
11037	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2568	-557	2143
11038	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2291	-1203	638
11039	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2291	-572	2220
11040	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2291	-572	2220
11041	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	0	0	0
11042	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	0	0	0
11043	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
11044	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
11045	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	0	0	0
11046	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
11047	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	0	0	0
11048	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
11049	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
11050	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11051	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11052	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11053	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11054	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11055	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11056	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11057	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11058	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11059	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11060	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11061	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11062	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11063	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11064	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11065	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11066	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11067	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11068	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11069	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11070	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11071	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11072	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11073	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11074	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11075	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11076	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11077	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11078	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11079	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	632	-971	510
11080	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	632	-971	510
11081	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	632	-504	1730
11082	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	632	-504	1730
11083	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	632	-971	510
11084	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	632	-504	1730
11085	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	447	-958	504
11086	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	447	-498	1759
11087	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	447	-498	1759
11088	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	900	-12640	-13734
11089	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	900	-12640	-13734
11090	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11091	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11092	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	900	-12640	-13734
11093	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11094	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	637	-10650	-11651
11095	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11096	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	447	-958	504
11097	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
11098	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
11099	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
11100	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
11101	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
11102	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
11103	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
11104	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
11105	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
11106	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
11107	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
11108	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
11109	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
11110	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
11111	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
11112	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
11113	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
11114	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
11115	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
11116	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
11117	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
11118	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
11119	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
11120	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
11121	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
11122	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
11123	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
11124	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
11125	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11126	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	885	-2311	1223
11127	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	885	-2311	1223
11128	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	885	-1050	3923
11129	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	885	-1050	3923
11130	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	885	-2311	1223
11131	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	885	-1050	3923
11132	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	678	-2744	1453
11133	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	678	-1185	4483
11134	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	678	-1185	4483
11135	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1260	-22083	-25845
11136	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1260	-22083	-25845
11137	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	0	0	0
11138	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	0	0	0
11139	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1260	-22083	-25845
11140	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	0	0	0
11141	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	965	-20989	-24624
11142	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	0	0	0
11143	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	678	-2744	1453
11144	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
11145	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
11146	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
11147	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
11148	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
11149	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
11150	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
11151	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
11152	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
11153	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
11154	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
11155	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
11156	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
11157	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
11158	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
11159	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
11160	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
11161	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
11162	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
11163	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
11164	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
11165	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
11166	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
11167	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
11168	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
11169	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
11170	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
11171	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
11172	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11173	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	632	-1253	664
11174	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	632	-1253	664
11175	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	632	-543	2089
11176	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	632	-543	2089
11177	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	632	-1253	664
11178	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	632	-543	2089
11179	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	447	-1396	741
11180	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	447	-642	2502
11181	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	447	-642	2502
11182	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	900	-12660	-15453
11183	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	900	-12660	-15453
11184	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11185	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11186	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	900	-12660	-15453
11187	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11188	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	637	-10724	-13116
11189	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11190	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	447	-1396	741
11191	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11192	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11193	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11194	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11195	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
11196	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
11197	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
11198	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
11199	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11200	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11201	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11202	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11203	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11204	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11205	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11206	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11207	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11208	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11209	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11210	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11211	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11212	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11213	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11214	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11215	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
11216	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
11217	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
11218	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
11219	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11220	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	948	-1199	636
11221	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	948	-1199	636
11222	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	948	-557	2143
11223	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	948	-557	2143
11224	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	948	-1199	636
11225	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	948	-557	2143
11226	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	671	-1203	638
11227	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	671	-572	2220
11228	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	671	-572	2220
11229	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
11230	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
11231	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	0	0	0
11232	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	0	0	0
11233	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
11234	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	0	0	0
11235	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
11236	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	0	0	0
11237	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
11238	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11239	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11240	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11241	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11242	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11243	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11244	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11245	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11246	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11247	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11248	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11249	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11250	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11251	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11252	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11253	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11254	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11255	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11256	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11257	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11258	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11259	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11260	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11261	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11262	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11263	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11264	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11265	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11266	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11267	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2568	-1199	636
11268	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2568	-1199	636
11269	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2568	-557	2143
11270	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2568	-557	2143
11271	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2568	-1199	636
11272	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2568	-557	2143
11273	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2291	-1203	638
11274	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2291	-572	2220
11275	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2291	-572	2220
11276	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
11277	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
11278	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	0	0	0
11279	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	0	0	0
11280	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
11281	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	0	0	0
11282	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
11283	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	0	0	0
11284	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
11285	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11286	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11287	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11288	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11289	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11290	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11291	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11292	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11293	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11294	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11295	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11296	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11297	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11298	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11299	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11300	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11301	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11302	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11303	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11304	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11305	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11306	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11307	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11308	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11309	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11310	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11311	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11312	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11313	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11314	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
11315	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
11316	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
11317	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
11318	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
11319	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
11320	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
11321	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
11322	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
11323	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	900	-12640	-13734
11324	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	900	-12640	-13734
11325	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	900	-12640	-13734
11326	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	900	-12640	-13734
11327	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	900	-12640	-13734
11328	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	900	-12640	-13734
11329	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	637	-10650	-11651
11330	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	637	-10650	-11651
11331	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
11332	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
11333	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
11334	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
11335	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
11336	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
11337	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
11338	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
11339	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
11340	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
11341	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
11342	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
11343	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
11344	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
11345	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
11346	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
11347	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
11348	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
11349	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
11350	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
11351	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
11352	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
11353	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
11354	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
11355	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
11356	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
11357	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
11358	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
11359	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
11360	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11361	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	0	0	0
11362	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	0	0	0
11363	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	0	0	0
11364	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	0	0	0
11365	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	0	0	0
11366	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	0	0	0
11367	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	0	0	0
11368	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	0	0	0
11369	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	0	0	0
11370	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1260	-22083	-25845
11371	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1260	-22083	-25845
11372	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1260	-22083	-25845
11373	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1260	-22083	-25845
11374	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1260	-22083	-25845
11375	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1260	-22083	-25845
11376	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	965	-20989	-24624
11377	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	965	-20989	-24624
11378	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	0	0	0
11379	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
11380	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
11381	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
11382	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
11383	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
11384	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
11385	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
11386	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
11387	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
11388	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
11389	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
11390	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
11391	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
11392	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
11393	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
11394	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
11395	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
11396	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
11397	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
11398	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
11399	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
11400	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
11401	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
11402	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
11403	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
11404	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
11405	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
11406	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
11407	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11408	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
11409	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
11410	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
11411	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
11412	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
11413	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
11414	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
11415	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
11416	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
11417	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	900	-12660	-15453
11418	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	900	-12660	-15453
11419	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	900	-12660	-15453
11420	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	900	-12660	-15453
11421	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	900	-12660	-15453
11422	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	900	-12660	-15453
11423	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	637	-10724	-13116
11424	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	637	-10724	-13116
11425	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
11426	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11427	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11428	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11429	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11430	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
11431	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
11432	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
11433	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
11434	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11435	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11436	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11437	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11438	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11439	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11440	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11441	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11442	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11443	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11444	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11445	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11446	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11447	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11448	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11449	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11450	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
11451	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
11452	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
11453	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
11454	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11455	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	0	0	0
11456	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	0	0	0
11457	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	0	0	0
11458	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	0	0	0
11459	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	0	0	0
11460	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	0	0	0
11461	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	0	0	0
11462	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	0	0	0
11463	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	0	0	0
11464	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
11465	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
11466	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
11467	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
11468	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
11469	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
11470	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
11471	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
11472	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	0	0	0
11473	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11474	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11475	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11476	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11477	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11478	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11479	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11480	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11481	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11482	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11483	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11484	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11485	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11486	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11487	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11488	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11489	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11490	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11491	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11492	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11493	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11494	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11495	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11496	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11497	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11498	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11499	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11500	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11501	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11502	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	0	0	0
11503	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	0	0	0
11504	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	0	0	0
11505	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	0	0	0
11506	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	0	0	0
11507	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	0	0	0
11508	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	0	0	0
11509	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	0	0	0
11510	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	0	0	0
11511	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1350	-14265	-17507
11512	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1350	-14265	-17507
11513	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1350	-14265	-17507
11514	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1350	-14265	-17507
11515	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1350	-14265	-17507
11516	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1350	-14265	-17507
11517	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	955	-12060	-14827
11518	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	955	-12060	-14827
11519	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	0	0	0
11520	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11521	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11522	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11523	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11524	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11525	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11526	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11527	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11528	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11529	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11530	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11531	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11532	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11533	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11534	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11535	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11536	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11537	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11538	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11539	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11540	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11541	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11542	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11543	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11544	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11545	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11546	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11547	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11548	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11549	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	632	-971	510
11550	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	632	-971	510
11551	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	632	-504	1730
11552	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	632	-504	1730
11553	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	632	-971	510
11554	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	632	-504	1730
11555	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	447	-958	504
11556	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	447	-498	1759
11557	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	447	-498	1759
11558	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
11559	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
11560	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11561	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11562	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
11563	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11564	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
11565	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11566	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	447	-958	504
11567	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
11568	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
11569	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
11570	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
11571	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
11572	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
11573	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
11574	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
11575	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
11576	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
11577	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
11578	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
11579	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
11580	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
11581	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
11582	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
11583	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
11584	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
11585	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
11586	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
11587	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
11588	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
11589	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
11590	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
11591	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
11592	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
11593	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
11594	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
11595	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11596	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	885	-2311	1223
11597	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	885	-2311	1223
11598	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	885	-1050	3923
11599	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	885	-1050	3923
11600	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	885	-2311	1223
11601	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	885	-1050	3923
11602	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	678	-2744	1453
11603	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	678	-1185	4483
11604	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	678	-1185	4483
11605	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	0	0	0
11606	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	0	0	0
11607	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	0	0	0
11608	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	0	0	0
11609	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	0	0	0
11610	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	0	0	0
11611	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	0	0	0
11612	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	0	0	0
11613	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	678	-2744	1453
11614	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
11615	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
11616	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
11617	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
11618	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
11619	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
11620	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
11621	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
11622	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
11623	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
11624	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
11625	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
11626	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
11627	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
11628	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
11629	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
11630	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
11631	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
11632	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
11633	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
11634	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
11635	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
11636	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
11637	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
11638	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
11639	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
11640	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
11641	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
11642	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11643	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	632	-1253	664
11644	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	632	-1253	664
11645	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	632	-543	2089
11646	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	632	-543	2089
11647	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	632	-1253	664
11648	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	632	-543	2089
11649	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	447	-1396	741
11650	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	447	-642	2502
11651	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	447	-642	2502
11652	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
11653	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
11654	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11655	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11656	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
11657	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11658	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
11659	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11660	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	447	-1396	741
11661	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11662	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11663	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11664	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11665	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
11666	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
11667	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
11668	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
11669	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11670	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11671	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11672	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11673	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11674	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11675	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11676	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11677	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11678	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11679	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11680	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11681	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11682	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11683	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11684	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11685	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
11686	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
11687	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
11688	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
11689	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11690	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	948	-1199	636
11691	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	948	-1199	636
11692	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	948	-557	2143
11693	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	948	-557	2143
11694	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	948	-1199	636
11695	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	948	-557	2143
11696	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	671	-1203	638
11697	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	671	-572	2220
11698	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	671	-572	2220
11699	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	0	0	0
11700	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	0	0	0
11701	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	0	0	0
11702	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	0	0	0
11703	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	0	0	0
11704	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	0	0	0
11705	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	0	0	0
11706	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	0	0	0
11707	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
11708	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11709	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11710	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11711	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11712	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11713	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11714	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11715	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11716	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11717	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11718	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11719	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11720	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11721	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11722	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11723	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11724	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11725	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11726	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11727	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11728	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11729	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11730	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11731	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11732	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11733	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11734	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11735	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11736	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11737	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2568	-1199	636
11738	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2568	-1199	636
11739	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2568	-557	2143
11740	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2568	-557	2143
11741	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2568	-1199	636
11742	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2568	-557	2143
11743	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2291	-1203	638
11744	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2291	-572	2220
11745	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2291	-572	2220
11746	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	0	0	0
11747	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	0	0	0
11748	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	0	0	0
11749	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	0	0	0
11750	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	0	0	0
11751	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	0	0	0
11752	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	0	0	0
11753	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	0	0	0
11754	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	671	-1203	638
11755	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11756	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11757	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11758	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11759	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11760	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11761	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11762	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11763	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11764	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11765	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11766	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11767	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11768	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11769	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11770	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11771	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11772	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11773	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11774	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11775	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11776	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11777	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11778	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11779	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11780	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11781	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11782	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11783	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11784	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	602	-925	484
11785	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	602	-925	484
11786	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	602	-503	1642
11787	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	602	-503	1642
11788	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	602	-925	484
11789	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	602	-503	1642
11790	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	426	-913	479
11791	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	426	-492	1671
11792	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	426	-492	1671
11793	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	857	-12428	-12775
11794	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	857	-12428	-12775
11795	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	857	-12428	-12775
11796	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	857	-12428	-12775
11797	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	857	-12428	-12775
11798	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	857	-12428	-12775
11799	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	606	-10460	-10849
11800	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	606	-10460	-10849
11801	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	426	-913	479
11802	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1772	1385
11803	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1772	1385
11804	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1772	1385
11805	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1772	1385
11806	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-2024	1582
11807	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-2024	1582
11808	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-2024	1582
11809	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-2024	1582
11810	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-1164	909
11811	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-1164	909
11812	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-1164	909
11813	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-1164	909
11814	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-529	414
11815	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-529	414
11816	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-529	414
11817	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-529	414
11818	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-676	528
11819	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-676	528
11820	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-676	528
11821	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-676	528
11822	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-539	421
11823	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-539	421
11824	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-539	421
11825	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-539	421
11826	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-513	401
11827	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-513	401
11828	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-513	401
11829	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-513	401
11830	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-434	339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11831	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	1347	-2201	1165
11832	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	1347	-2201	1165
11833	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	1347	-992	3738
11834	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	1347	-992	3738
11835	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	1347	-2201	1165
11836	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	1347	-992	3738
11837	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	1105	-2613	1384
11838	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	1105	-1121	4271
11839	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	1105	-1121	4271
11840	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1917	-20892	-24724
11841	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1917	-20892	-24724
11842	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1917	-20892	-24724
11843	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1917	-20892	-24724
11844	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1917	-20892	-24724
11845	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1917	-20892	-24724
11846	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1573	-19860	-23553
11847	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1573	-19860	-23553
11848	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	1105	-2613	1384
11849	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-532	415
11850	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-532	415
11851	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-532	415
11852	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-532	415
11853	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-607	474
11854	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-607	474
11855	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-607	474
11856	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-607	474
11857	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-349	273
11858	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-349	273
11859	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-349	273
11860	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-349	273
11861	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-159	124
11862	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-159	124
11863	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-159	124
11864	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-159	124
11865	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-203	158
11866	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-203	158
11867	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-203	158
11868	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-203	158
11869	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-162	126
11870	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-162	126
11871	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-162	126
11872	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-162	126
11873	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-154	120
11874	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-154	120
11875	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-154	120
11876	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-154	120
11877	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-130	102

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11878	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	602	-1193	633
11879	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	602	-1193	633
11880	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	602	-515	1990
11881	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	602	-515	1990
11882	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	602	-1193	633
11883	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	602	-515	1990
11884	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	426	-1329	706
11885	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	426	-609	2383
11886	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	426	-609	2383
11887	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	857	-12014	-14751
11888	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	857	-12014	-14751
11889	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	857	-12014	-14751
11890	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	857	-12014	-14751
11891	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	857	-12014	-14751
11892	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	857	-12014	-14751
11893	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	606	-10178	-12519
11894	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	606	-10178	-12519
11895	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	426	-1329	706
11896	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-354	277
11897	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-354	277
11898	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-354	277
11899	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-354	277
11900	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-405	316
11901	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-405	316
11902	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-405	316
11903	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-405	316
11904	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-233	182
11905	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-233	182
11906	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-233	182
11907	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-233	182
11908	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-106	83
11909	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-106	83
11910	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-106	83
11911	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-106	83
11912	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-135	106
11913	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-135	106
11914	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-135	106
11915	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-135	106
11916	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-108	84
11917	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-108	84
11918	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-108	84
11919	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-108	84
11920	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-103	80
11921	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-103	80
11922	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-103	80
11923	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-103	80
11924	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11925	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	903	-1142	606
11926	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	903	-1142	606
11927	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	903	-528	2042
11928	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	903	-528	2042
11929	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	903	-1142	606
11930	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	903	-528	2042
11931	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	639	-1146	608
11932	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	639	-543	2115
11933	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	639	-543	2115
11934	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1285	-13543	-16707
11935	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1285	-13543	-16707
11936	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1285	-13543	-16707
11937	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1285	-13543	-16707
11938	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1285	-13543	-16707
11939	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1285	-13543	-16707
11940	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	910	-11451	-14148
11941	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	910	-11451	-14148
11942	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	639	-1146	608
11943	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-354	277
11944	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-354	277
11945	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-354	277
11946	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-354	277
11947	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-405	316
11948	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-405	316
11949	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-405	316
11950	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-405	316
11951	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-233	182
11952	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-233	182
11953	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-233	182
11954	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-233	182
11955	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-106	83
11956	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-106	83
11957	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-106	83
11958	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-106	83
11959	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-135	106
11960	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-135	106
11961	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-135	106
11962	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-135	106
11963	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-108	84
11964	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-108	84
11965	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-108	84
11966	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-108	84
11967	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-103	80
11968	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-103	80
11969	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-103	80
11970	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-103	80
11971	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11972	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2253	-1142	606
11973	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2253	-1142	606
11974	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2253	-528	2042
11975	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2253	-528	2042
11976	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2253	-1142	606
11977	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2253	-528	2042
11978	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	1989	-1146	608
11979	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	1989	-543	2115
11980	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	1989	-543	2115
11981	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1285	-13543	-16707
11982	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1285	-13543	-16707
11983	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1285	-13543	-16707
11984	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1285	-13543	-16707
11985	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1285	-13543	-16707
11986	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1285	-13543	-16707
11987	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	910	-11451	-14148
11988	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	910	-11451	-14148
11989	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	639	-1146	608
11990	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-354	277
11991	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-354	277
11992	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-354	277
11993	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-354	277
11994	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-405	316
11995	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-405	316
11996	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-405	316
11997	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-405	316
11998	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-233	182
11999	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-233	182
12000	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-233	182
12001	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-233	182
12002	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-106	83
12003	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-106	83
12004	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-106	83
12005	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-106	83
12006	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-135	106
12007	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-135	106
12008	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-135	106
12009	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-135	106
12010	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-108	84
12011	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-108	84
12012	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-108	84
12013	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-108	84
12014	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-103	80
12015	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-103	80
12016	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-103	80
12017	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-103	80
12018	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
12019	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F1A	669	-10880	468
12020	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F2A	669	-10880	468
12021	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F3A	669	-10241	968
12022	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F4A	669	-10241	968
12023	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F1A	669	-10880	468
12024	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F2A	669	-10241	968
12025	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F1A	473	-863	459
12026	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F2A	473	-240	963
12027	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E2F1A	473	-240	963
12028	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F1B	952	-14643	-5943
12029	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F2B	952	-14643	-5943
12030	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F3B	952	-14643	-5943
12031	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F4B	952	-14643	-5943
12032	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F1B	952	-14643	-5943
12033	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F2B	952	-14643	-5943
12034	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F1B	674	-3701	-4737
12035	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F2B	674	-3701	-4737
12036	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
12037	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F1A	669	9120	468
12038	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F2A	669	9120	468
12039	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F3A	669	9120	968
12040	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F4A	669	9759	968
12041	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F1A	669	9120	468
12042	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F2A	669	9759	968
12043	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F1A	473	-863	459
12044	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F2A	473	-240	963
12045	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E2F1A	473	-240	963
12046	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F1B	952	5357	-5943
12047	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F2B	952	5357	-5943
12048	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F3B	952	5357	-5943
12049	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F4B	952	5357	-5943
12050	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F1B	952	5357	-5943
12051	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F2B	952	5357	-5943
12052	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F1B	674	-3701	-4737
12053	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F2B	674	-3701	-4737
12054	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E2F1B	473	-863	459

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Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1	LC1_ULS_NL1a=Wind_Dir=0	C1F1A	769	-1522	725
2	LC1_ULS_NL1a=Wind_Dir=0	C1F2A	769	-1522	725
3	LC1_ULS_NL1a=Wind_Dir=0	C1F3A	769	-961	2551
4	LC1_ULS_NL1a=Wind_Dir=0	C1F4A	769	-961	2551
5	LC1_ULS_NL1a=Wind_Dir=0	C2F1A	769	-1522	725
6	LC1_ULS_NL1a=Wind_Dir=0	C2F2A	769	-961	2551
7	LC1_ULS_NL1a=Wind_Dir=0	E1F1A	544	-1537	749
8	LC1_ULS_NL1a=Wind_Dir=0	E1F2A	544	-907	2580
9	LC1_ULS_NL1a=Wind_Dir=0	E2F1A	544	-907	2580
10	LC1_ULS_NL1a=Wind_Dir=0	C1F1B	1095	-10381	-10564
11	LC1_ULS_NL1a=Wind_Dir=0	C1F2B	1095	-10381	-10564
12	LC1_ULS_NL1a=Wind_Dir=0	C1F3B	1095	-10381	-10564
13	LC1_ULS_NL1a=Wind_Dir=0	C1F4B	1095	-10381	-10564
14	LC1_ULS_NL1a=Wind_Dir=0	C2F1B	1095	-10381	-10564
15	LC1_ULS_NL1a=Wind_Dir=0	C2F2B	1095	-10381	-10564
16	LC1_ULS_NL1a=Wind_Dir=0	E1F1B	775	-8736	-8975
17	LC1_ULS_NL1a=Wind_Dir=0	E1F2B	775	-8736	-8975
18	LC1_ULS_NL1a=Wind_Dir=0	E2F1B	544	-1537	749
19	LC1_ULS_NL1a=Wind_Dir=0	Sd5S	0	-2650	0
20	LC1_ULS_NL1a=Wind_Dir=0	Sd5X	0	-2650	0
21	LC1_ULS_NL1a=Wind_Dir=0	Sd5XY	0	-2650	0
22	LC1_ULS_NL1a=Wind_Dir=0	Sd5Y	0	-2650	0
23	LC1_ULS_NL1a=Wind_Dir=0	CP	0	-3026	0
24	LC1_ULS_NL1a=Wind_Dir=0	CX	0	-3026	0
25	LC1_ULS_NL1a=Wind_Dir=0	CXY	0	-3026	0
26	LC1_ULS_NL1a=Wind_Dir=0	CY	0	-3026	0
27	LC1_ULS_NL1a=Wind_Dir=0	Sd10S	0	-2396	0
28	LC1_ULS_NL1a=Wind_Dir=0	Sd10X	0	-2396	0
29	LC1_ULS_NL1a=Wind_Dir=0	Sd10XY	0	-2396	0
30	LC1_ULS_NL1a=Wind_Dir=0	Sd10Y	0	-2396	0
31	LC1_ULS_NL1a=Wind_Dir=0	CA2.1P	0	-792	0
32	LC1_ULS_NL1a=Wind_Dir=0	CA2.1X	0	-792	0
33	LC1_ULS_NL1a=Wind_Dir=0	CA2.1XY	0	-792	0
34	LC1_ULS_NL1a=Wind_Dir=0	CA2.1Y	0	-792	0
35	LC1_ULS_NL1a=Wind_Dir=0	Sd12S	0	-1363	0
36	LC1_ULS_NL1a=Wind_Dir=0	Sd12X	0	-1363	0
37	LC1_ULS_NL1a=Wind_Dir=0	Sd12XY	0	-1363	0
38	LC1_ULS_NL1a=Wind_Dir=0	Sd12Y	0	-1363	0
39	LC1_ULS_NL1a=Wind_Dir=0	CA1.1P	0	-806	0
40	LC1_ULS_NL1a=Wind_Dir=0	CA1.1X	0	-806	0
41	LC1_ULS_NL1a=Wind_Dir=0	CA1.1XY	0	-806	0
42	LC1_ULS_NL1a=Wind_Dir=0	CA1.1Y	0	-806	0
43	LC1_ULS_NL1a=Wind_Dir=0	DP	0	-1034	0
44	LC1_ULS_NL1a=Wind_Dir=0	DX	0	-1034	0
45	LC1_ULS_NL1a=Wind_Dir=0	DXY	0	-1034	0
46	LC1_ULS_NL1a=Wind_Dir=0	DY	0	-1034	0
47	LC1_ULS_NL1a=Wind_Dir=0	TopP	0	-649	0
48	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F1A	1845	-3446	1778
49	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F2A	1845	-3446	1778
50	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F3A	1845	-1636	5723
51	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F4A	1845	-1636	5723
52	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F1A	1845	-3446	1778
53	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F2A	1845	-1636	5723
54	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F1A	1526	-3965	2058
55	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F2A	1526	-1766	6305
56	LC2_ULS_NL3=Wind+Ice_Dir=0	E2F1A	1526	-1766	6305
57	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F1B	2626	-18490	-21913
58	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F2B	2626	-18490	-21913
59	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F3B	2626	-18490	-21913
60	LC2_ULS_NL3=Wind+Ice_Dir=0	C1F4B	2626	-18490	-21913
61	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F1B	2626	-18490	-21913
62	LC2_ULS_NL3=Wind+Ice_Dir=0	C2F2B	2626	-18490	-21913
63	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F1B	2172	-17177	-20362
64	LC2_ULS_NL3=Wind+Ice_Dir=0	E1F2B	2172	-17177	-20362
65	LC2_ULS_NL3=Wind+Ice_Dir=0	E2F1B	1526	-3965	2058
66	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5S	0	-795	0
67	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5X	0	-795	0
68	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5XY	0	-795	0
69	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd5Y	0	-795	0
70	LC2_ULS_NL3=Wind+Ice_Dir=0	CP	0	-908	0
71	LC2_ULS_NL3=Wind+Ice_Dir=0	CX	0	-908	0
72	LC2_ULS_NL3=Wind+Ice_Dir=0	CXY	0	-908	0
73	LC2_ULS_NL3=Wind+Ice_Dir=0	CY	0	-908	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
74	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10S	0	-719	0
75	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10X	0	-719	0
76	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10XY	0	-719	0
77	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd10Y	0	-719	0
78	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1P	0	-237	0
79	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1X	0	-237	0
80	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1XY	0	-237	0
81	LC2_ULS_NL3=Wind+Ice_Dir=0	CA2.1Y	0	-237	0
82	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12S	0	-409	0
83	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12X	0	-409	0
84	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12XY	0	-409	0
85	LC2_ULS_NL3=Wind+Ice_Dir=0	Sd12Y	0	-409	0
86	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1P	0	-242	0
87	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1X	0	-242	0
88	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1XY	0	-242	0
89	LC2_ULS_NL3=Wind+Ice_Dir=0	CA1.1Y	0	-242	0
90	LC2_ULS_NL3=Wind+Ice_Dir=0	DP	0	-310	0
91	LC2_ULS_NL3=Wind+Ice_Dir=0	DX	0	-310	0
92	LC2_ULS_NL3=Wind+Ice_Dir=0	DXY	0	-310	0
93	LC2_ULS_NL3=Wind+Ice_Dir=0	DY	0	-310	0
94	LC2_ULS_NL3=Wind+Ice_Dir=0	TopP	0	-195	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
95	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F1A	769	-1132	585
96	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F2A	769	-1132	585
97	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F3A	769	-387	1291
98	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F4A	769	-387	1291
99	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F1A	769	-1132	585
100	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F2A	769	-387	1291
101	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F1A	544	-1347	703
102	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F2A	544	-475	1693
103	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E2F1A	544	-475	1693
104	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F1B	1095	-10106	-12390
105	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F2B	1095	-10106	-12390
106	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F3B	1095	-10106	-12390
107	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C1F4B	1095	-10106	-12390
108	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F1B	1095	-10106	-12390
109	LC3_ULS_NL4=MinTemp+Wind_Dir=0	C2F2B	1095	-10106	-12390
110	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F1B	775	-8600	-10567
111	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E1F2B	775	-8600	-10567
112	LC3_ULS_NL4=MinTemp+Wind_Dir=0	E2F1B	544	-1347	703
113	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5S	0	-530	0
114	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5X	0	-530	0
115	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5XY	0	-530	0
116	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd5Y	0	-530	0
117	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CP	0	-605	0
118	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CX	0	-605	0
119	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CXY	0	-605	0
120	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CY	0	-605	0
121	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10S	0	-479	0
122	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10X	0	-479	0
123	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10XY	0	-479	0
124	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd10Y	0	-479	0
125	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1P	0	-158	0
126	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1X	0	-158	0
127	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1XY	0	-158	0
128	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA2.1Y	0	-158	0
129	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12S	0	-273	0
130	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12X	0	-273	0
131	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12XY	0	-273	0
132	LC3_ULS_NL4=MinTemp+Wind_Dir=0	Sd12Y	0	-273	0
133	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1P	0	-161	0
134	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1X	0	-161	0
135	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1XY	0	-161	0
136	LC3_ULS_NL4=MinTemp+Wind_Dir=0	CA1.1Y	0	-161	0
137	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DP	0	-207	0
138	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DX	0	-207	0
139	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DXY	0	-207	0
140	LC3_ULS_NL4=MinTemp+Wind_Dir=0	DY	0	-207	0
141	LC3_ULS_NL4=MinTemp+Wind_Dir=0	TopP	0	-130	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
142	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F1A	1500	0	0
143	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F2A	669	-880	468
144	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F3A	669	-241	968
145	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F4A	2169	-241	968
146	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F1A	2169	-880	468
147	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F2A	2169	-241	968
148	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F1A	1973	-863	459
149	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F2A	1973	-240	963
150	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E2F1A	473	-240	963
151	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F1B	952	-4643	-5943
152	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F2B	952	-4643	-5943
153	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F3B	952	-4643	-5943
154	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C1F4B	952	-4643	-5943
155	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F1B	952	-4643	-5943
156	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	C2F2B	952	-4643	-5943
157	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F1B	674	-3701	-4737
158	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E1F2B	674	-3701	-4737
159	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
160	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F1A	2169	-880	468
161	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F2A	669	-880	468
162	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F3A	669	-241	968
163	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F4A	1500	0	0
164	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F1A	2169	-880	468
165	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F2A	2169	-241	968
166	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F1A	1973	-863	459
167	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F2A	1973	-240	963
168	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E2F1A	473	-240	963
169	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F1B	952	-4643	-5943
170	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F2B	952	-4643	-5943
171	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F3B	952	-4643	-5943
172	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C1F4B	952	-4643	-5943
173	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F1B	952	-4643	-5943
174	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	C2F2B	952	-4643	-5943
175	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F1B	674	-3701	-4737
176	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E1F2B	674	-3701	-4737
177	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
178	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F1A	2169	-880	468
179	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F2A	669	-880	468
180	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F3A	669	-241	968
181	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F4A	2169	-241	968
182	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F1A	1500	0	0
183	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F2A	2169	-241	968
184	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F1A	1973	-863	459
185	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F2A	1973	-240	963
186	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E2F1A	473	-240	963
187	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F1B	952	-4643	-5943
188	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F2B	952	-4643	-5943
189	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F3B	952	-4643	-5943
190	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C1F4B	952	-4643	-5943
191	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F1B	952	-4643	-5943
192	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	C2F2B	952	-4643	-5943
193	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F1B	674	-3701	-4737
194	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E1F2B	674	-3701	-4737
195	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
196	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F1A	2169	-880	468
197	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F2A	669	-880	468
198	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F3A	669	-241	968
199	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F4A	2169	-241	968
200	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F1A	2169	-880	468
201	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F2A	1500	0	0
202	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F1A	1973	-863	459
203	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F2A	1973	-240	963
204	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E2F1A	473	-240	963
205	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F1B	952	-4643	-5943
206	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F2B	952	-4643	-5943
207	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F3B	952	-4643	-5943
208	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C1F4B	952	-4643	-5943
209	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F1B	952	-4643	-5943
210	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	C2F2B	952	-4643	-5943
211	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F1B	674	-3701	-4737
212	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E1F2B	674	-3701	-4737
213	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
214	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F1A	2169	-880	468
215	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F2A	669	-880	468
216	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F3A	669	-241	968
217	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F4A	2169	-241	968
218	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F1A	2169	-880	468
219	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F2A	2169	-241	968
220	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F1A	1500	0	0
221	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F2A	1973	-240	963
222	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E2F1A	473	-240	963
223	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F1B	952	-4643	-5943
224	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F2B	952	-4643	-5943
225	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F3B	952	-4643	-5943
226	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C1F4B	952	-4643	-5943
227	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F1B	952	-4643	-5943
228	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	C2F2B	952	-4643	-5943
229	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F1B	674	-3701	-4737
230	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E1F2B	674	-3701	-4737
231	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
232	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F1A	2169	-880	468
233	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F2A	669	-880	468
234	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F3A	669	-241	968
235	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F4A	2169	-241	968
236	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F1A	2169	-880	468
237	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F2A	2169	-241	968
238	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F1A	1973	-863	459
239	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F2A	1500	0	0
240	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E2F1A	473	-240	963
241	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F1B	952	-4643	-5943
242	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F2B	952	-4643	-5943
243	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F3B	952	-4643	-5943
244	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C1F4B	952	-4643	-5943
245	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F1B	952	-4643	-5943
246	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	C2F2B	952	-4643	-5943
247	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F1B	674	-3701	-4737
248	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E1F2B	674	-3701	-4737

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
249	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	E2F1B	473	-863	459
250	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F1A	2169	-880	468
251	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F2A	669	-880	468
252	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F3A	669	-241	968
253	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F4A	2169	-241	968
254	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F1A	2169	-880	468
255	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F2A	2169	-241	968
256	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F1A	1973	-863	459
257	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F2A	1973	-240	963
258	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E2F1A	473	-240	963
259	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F1B	1500	0	0
260	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F2B	952	-4643	-5943
261	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F3B	952	-4643	-5943
262	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C1F4B	952	-4643	-5943
263	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F1B	952	-4643	-5943
264	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	C2F2B	952	-4643	-5943
265	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F1B	674	-3701	-4737
266	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E1F2B	674	-3701	-4737
267	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
268	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F1A	2169	-880	468
269	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F2A	669	-880	468
270	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F3A	669	-241	968
271	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F4A	2169	-241	968
272	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F1A	2169	-880	468
273	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F2A	2169	-241	968
274	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F1A	1973	-863	459
275	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F2A	1973	-240	963
276	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E2F1A	473	-240	963
277	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F1B	952	-4643	-5943
278	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F2B	952	-4643	-5943
279	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F3B	952	-4643	-5943
280	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C1F4B	1500	0	0
281	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F1B	952	-4643	-5943
282	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	C2F2B	952	-4643	-5943
283	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F1B	674	-3701	-4737
284	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E1F2B	674	-3701	-4737
285	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
286	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F1A	2169	-880	468
287	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F2A	669	-880	468
288	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F3A	669	-241	968
289	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F4A	2169	-241	968
290	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F1A	2169	-880	468
291	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F2A	2169	-241	968
292	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F1A	1973	-863	459
293	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F2A	1973	-240	963
294	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E2F1A	473	-240	963
295	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F1B	952	-4643	-5943
296	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F2B	952	-4643	-5943
297	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F3B	952	-4643	-5943
298	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C1F4B	952	-4643	-5943
299	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F1B	1500	0	0
300	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	C2F2B	952	-4643	-5943
301	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F1B	674	-3701	-4737
302	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E1F2B	674	-3701	-4737
303	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
304	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F1A	2169	-880	468
305	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F2A	669	-880	468
306	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F3A	669	-241	968
307	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F4A	2169	-241	968
308	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F1A	2169	-880	468
309	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F2A	2169	-241	968
310	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F1A	1973	-863	459
311	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F2A	1973	-240	963
312	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E2F1A	473	-240	963
313	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F1B	952	-4643	-5943
314	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F2B	952	-4643	-5943
315	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F3B	952	-4643	-5943
316	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C1F4B	952	-4643	-5943
317	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F1B	952	-4643	-5943
318	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	C2F2B	1500	0	0
319	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F1B	674	-3701	-4737
320	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E1F2B	674	-3701	-4737
321	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
322	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F1A	2169	-880	468
323	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F2A	669	-880	468
324	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F3A	669	-241	968
325	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F4A	2169	-241	968
326	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F1A	2169	-880	468
327	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F2A	2169	-241	968
328	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F1A	1973	-863	459
329	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F2A	1973	-240	963
330	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E2F1A	473	-240	963
331	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F1B	952	-4643	-5943
332	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F2B	952	-4643	-5943
333	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F3B	952	-4643	-5943
334	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C1F4B	952	-4643	-5943
335	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F1B	952	-4643	-5943
336	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	C2F2B	952	-4643	-5943
337	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F1B	1500	0	0
338	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E1F2B	674	-3701	-4737
339	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
340	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F1A	2169	-880	468
341	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F2A	669	-880	468
342	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F3A	669	-241	968
343	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F4A	2169	-241	968
344	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F1A	2169	-880	468
345	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F2A	2169	-241	968
346	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F1A	1973	-863	459
347	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F2A	1973	-240	963
348	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E2F1A	473	-240	963
349	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F1B	952	-4643	-5943
350	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F2B	952	-4643	-5943
351	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F3B	952	-4643	-5943
352	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C1F4B	952	-4643	-5943
353	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F1B	952	-4643	-5943
354	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	C2F2B	952	-4643	-5943
355	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F1B	674	-3701	-4737
356	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E1F2B	1500	0	0
357	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
358	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F1A	669	-880	468
359	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F2A	0	0	0
360	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F3A	669	-241	968
361	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F4A	669	-241	968
362	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F1A	669	-880	468
363	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F2A	669	-241	968
364	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F1A	473	-863	459
365	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F2A	473	-240	963
366	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E2F1A	473	-240	963
367	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F1B	952	-4643	-5943
368	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F2B	952	-4643	-5943
369	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F3B	952	-4643	-5943
370	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C1F4B	952	-4643	-5943
371	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F1B	952	-4643	-5943
372	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	C2F2B	952	-4643	-5943
373	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F1B	674	-3701	-4737
374	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E1F2B	674	-3701	-4737
375	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
376	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F1A	669	-880	468
377	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F2A	669	-880	468
378	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F3A	0	0	0
379	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F4A	669	-241	968
380	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F1A	669	-880	468
381	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F2A	669	-241	968
382	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F1A	473	-863	459
383	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F2A	473	-240	963
384	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E2F1A	473	-240	963
385	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F1B	952	-4643	-5943
386	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F2B	952	-4643	-5943
387	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F3B	952	-4643	-5943
388	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C1F4B	952	-4643	-5943
389	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F1B	952	-4643	-5943
390	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	C2F2B	952	-4643	-5943
391	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F1B	674	-3701	-4737
392	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E1F2B	674	-3701	-4737
393	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
394	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F1A	669	-880	468
395	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F2A	669	-880	468
396	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F3A	669	-241	968
397	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F4A	669	-241	968
398	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F1A	669	-880	468
399	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F2A	669	-241	968
400	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F1A	473	-863	459
401	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F2A	473	-240	963
402	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E2F1A	473	-240	963
403	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F1B	952	-4643	-5943
404	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F2B	0	0	0
405	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F3B	952	-4643	-5943
406	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C1F4B	952	-4643	-5943
407	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F1B	952	-4643	-5943
408	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	C2F2B	952	-4643	-5943
409	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F1B	674	-3701	-4737
410	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E1F2B	674	-3701	-4737
411	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
412	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F1A	669	-880	468
413	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F2A	669	-880	468
414	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F3A	669	-241	968
415	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F4A	669	-241	968
416	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F1A	669	-880	468
417	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F2A	669	-241	968
418	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F1A	473	-863	459
419	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F2A	473	-240	963
420	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E2F1A	473	-240	963
421	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F1B	952	-4643	-5943
422	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F2B	952	-4643	-5943
423	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F3B	0	0	0
424	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C1F4B	952	-4643	-5943
425	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F1B	952	-4643	-5943
426	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	C2F2B	952	-4643	-5943
427	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F1B	674	-3701	-4737
428	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E1F2B	674	-3701	-4737
429	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
430	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F1A	669	-880	468
431	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F2A	669	-880	468
432	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F3A	669	-241	968
433	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F4A	669	-241	968
434	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F1A	669	-880	468
435	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F2A	669	-241	968
436	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F1A	473	-863	459
437	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F2A	473	-240	963
438	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E2F1A	0	0	0
439	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F1B	952	-4643	-5943
440	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F2B	952	-4643	-5943
441	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F3B	952	-4643	-5943
442	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C1F4B	952	-4643	-5943
443	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F1B	952	-4643	-5943
444	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	C2F2B	952	-4643	-5943
445	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F1B	674	-3701	-4737
446	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E1F2B	674	-3701	-4737
447	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
448	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F1A	669	-880	468
449	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F2A	669	-880	468
450	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F3A	669	-241	968
451	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F4A	669	-241	968
452	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F1A	669	-880	468
453	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F2A	669	-241	968
454	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F1A	473	-863	459
455	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F2A	473	-240	963
456	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E2F1A	473	-240	963
457	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F1B	952	-4643	-5943
458	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F2B	952	-4643	-5943
459	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F3B	952	-4643	-5943
460	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C1F4B	952	-4643	-5943
461	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F1B	952	-4643	-5943
462	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	C2F2B	952	-4643	-5943
463	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F1B	674	-3701	-4737
464	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E1F2B	674	-3701	-4737
465	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	E2F1B	0	0	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
466	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F1A	1154	-1847	965
467	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F2A	1154	-1847	965
468	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F3A	1154	-866	3214
469	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F4A	1154	-866	3214
470	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F1A	1154	-1847	965
471	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F2A	1154	-866	3214
472	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F1A	817	-1898	995
473	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F2A	817	-874	3293
474	LC22_ULS_NL6a=Cons+Main_Dir=0	E2F1A	817	-874	3293
475	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F1B	1642	-11278	-13891
476	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F2B	1642	-11278	-13891
477	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F3B	1642	-11278	-13891
478	LC22_ULS_NL6a=Cons+Main_Dir=0	C1F4B	1642	-11278	-13891
479	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F1B	1642	-11278	-13891
480	LC22_ULS_NL6a=Cons+Main_Dir=0	C2F2B	1642	-11278	-13891
481	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F1B	1162	-9544	-11775
482	LC22_ULS_NL6a=Cons+Main_Dir=0	E1F2B	1162	-9544	-11775
483	LC22_ULS_NL6a=Cons+Main_Dir=0	E2F1B	817	-1898	995
484	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5S	0	-530	0
485	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5X	0	-530	0
486	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5XY	0	-530	0
487	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd5Y	0	-530	0
488	LC22_ULS_NL6a=Cons+Main_Dir=0	CP	0	-605	0
489	LC22_ULS_NL6a=Cons+Main_Dir=0	CX	0	-605	0
490	LC22_ULS_NL6a=Cons+Main_Dir=0	CXY	0	-605	0
491	LC22_ULS_NL6a=Cons+Main_Dir=0	CY	0	-605	0
492	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10S	0	-479	0
493	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10X	0	-479	0
494	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10XY	0	-479	0
495	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd10Y	0	-479	0
496	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1P	0	-158	0
497	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1X	0	-158	0
498	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1XY	0	-158	0
499	LC22_ULS_NL6a=Cons+Main_Dir=0	CA2.1Y	0	-158	0
500	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12S	0	-273	0
501	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12X	0	-273	0
502	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12XY	0	-273	0
503	LC22_ULS_NL6a=Cons+Main_Dir=0	Sd12Y	0	-273	0
504	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1P	0	-161	0
505	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1X	0	-161	0
506	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1XY	0	-161	0
507	LC22_ULS_NL6a=Cons+Main_Dir=0	CA1.1Y	0	-161	0
508	LC22_ULS_NL6a=Cons+Main_Dir=0	DP	0	-207	0
509	LC22_ULS_NL6a=Cons+Main_Dir=0	DX	0	-207	0
510	LC22_ULS_NL6a=Cons+Main_Dir=0	DXY	0	-207	0
511	LC22_ULS_NL6a=Cons+Main_Dir=0	DY	0	-207	0
512	LC22_ULS_NL6a=Cons+Main_Dir=0	TopP	0	-130	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
513	LC23_ULS_NL6b=Linesmen_Dir=0	C1F1A	3104	-1847	965
514	LC23_ULS_NL6b=Linesmen_Dir=0	C1F2A	3104	-1847	965
515	LC23_ULS_NL6b=Linesmen_Dir=0	C1F3A	3104	-866	3214
516	LC23_ULS_NL6b=Linesmen_Dir=0	C1F4A	3104	-866	3214
517	LC23_ULS_NL6b=Linesmen_Dir=0	C2F1A	3104	-1847	965
518	LC23_ULS_NL6b=Linesmen_Dir=0	C2F2A	3104	-866	3214
519	LC23_ULS_NL6b=Linesmen_Dir=0	E1F1A	2767	-1898	995
520	LC23_ULS_NL6b=Linesmen_Dir=0	E1F2A	2767	-874	3293
521	LC23_ULS_NL6b=Linesmen_Dir=0	E2F1A	2767	-874	3293
522	LC23_ULS_NL6b=Linesmen_Dir=0	C1F1B	1642	-11278	-13891
523	LC23_ULS_NL6b=Linesmen_Dir=0	C1F2B	1642	-11278	-13891
524	LC23_ULS_NL6b=Linesmen_Dir=0	C1F3B	1642	-11278	-13891
525	LC23_ULS_NL6b=Linesmen_Dir=0	C1F4B	1642	-11278	-13891
526	LC23_ULS_NL6b=Linesmen_Dir=0	C2F1B	1642	-11278	-13891
527	LC23_ULS_NL6b=Linesmen_Dir=0	C2F2B	1642	-11278	-13891
528	LC23_ULS_NL6b=Linesmen_Dir=0	E1F1B	1162	-9544	-11775
529	LC23_ULS_NL6b=Linesmen_Dir=0	E1F2B	1162	-9544	-11775
530	LC23_ULS_NL6b=Linesmen_Dir=0	E2F1B	817	-1898	995
531	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5S	0	-530	0
532	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5X	0	-530	0
533	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5XY	0	-530	0
534	LC23_ULS_NL6b=Linesmen_Dir=0	Sd5Y	0	-530	0
535	LC23_ULS_NL6b=Linesmen_Dir=0	CP	0	-605	0
536	LC23_ULS_NL6b=Linesmen_Dir=0	CX	0	-605	0
537	LC23_ULS_NL6b=Linesmen_Dir=0	CXY	0	-605	0
538	LC23_ULS_NL6b=Linesmen_Dir=0	CY	0	-605	0
539	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10S	0	-479	0
540	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10X	0	-479	0
541	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10XY	0	-479	0
542	LC23_ULS_NL6b=Linesmen_Dir=0	Sd10Y	0	-479	0
543	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1P	0	-158	0
544	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1X	0	-158	0
545	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1XY	0	-158	0
546	LC23_ULS_NL6b=Linesmen_Dir=0	CA2.1Y	0	-158	0
547	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12S	0	-273	0
548	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12X	0	-273	0
549	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12XY	0	-273	0
550	LC23_ULS_NL6b=Linesmen_Dir=0	Sd12Y	0	-273	0
551	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1P	0	-161	0
552	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1X	0	-161	0
553	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1XY	0	-161	0
554	LC23_ULS_NL6b=Linesmen_Dir=0	CA1.1Y	0	-161	0
555	LC23_ULS_NL6b=Linesmen_Dir=0	DP	0	-207	0
556	LC23_ULS_NL6b=Linesmen_Dir=0	DX	0	-207	0
557	LC23_ULS_NL6b=Linesmen_Dir=0	DXY	0	-207	0
558	LC23_ULS_NL6b=Linesmen_Dir=0	DY	0	-207	0
559	LC23_ULS_NL6b=Linesmen_Dir=0	TopP	0	-130	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
560	LC24_ULS_NL7=Perm_Dir=NA	C1F1A	870	-1144	608
561	LC24_ULS_NL7=Perm_Dir=NA	C1F2A	870	-1144	608
562	LC24_ULS_NL7=Perm_Dir=NA	C1F3A	870	-314	1258
563	LC24_ULS_NL7=Perm_Dir=NA	C1F4A	870	-314	1258
564	LC24_ULS_NL7=Perm_Dir=NA	C2F1A	870	-1144	608
565	LC24_ULS_NL7=Perm_Dir=NA	C2F2A	870	-314	1258
566	LC24_ULS_NL7=Perm_Dir=NA	E1F1A	615	-1122	597
567	LC24_ULS_NL7=Perm_Dir=NA	E1F2A	615	-312	1252
568	LC24_ULS_NL7=Perm_Dir=NA	E2F1A	615	-312	1252
569	LC24_ULS_NL7=Perm_Dir=NA	C1F1B	1238	-6036	-7726
570	LC24_ULS_NL7=Perm_Dir=NA	C1F2B	1238	-6036	-7726
571	LC24_ULS_NL7=Perm_Dir=NA	C1F3B	1238	-6036	-7726
572	LC24_ULS_NL7=Perm_Dir=NA	C1F4B	1238	-6036	-7726
573	LC24_ULS_NL7=Perm_Dir=NA	C2F1B	1238	-6036	-7726
574	LC24_ULS_NL7=Perm_Dir=NA	C2F2B	1238	-6036	-7726
575	LC24_ULS_NL7=Perm_Dir=NA	E1F1B	876	-4812	-6159
576	LC24_ULS_NL7=Perm_Dir=NA	E1F2B	876	-4812	-6159
577	LC24_ULS_NL7=Perm_Dir=NA	E2F1B	615	-1122	597

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
920	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F1A	0	0	0
921	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F2A	0	0	0
922	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F3A	769	-826	2585
923	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F4A	769	-826	2585
924	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F1A	0	0	0
925	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F2A	769	-826	2585
926	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F1A	0	0	0
927	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F2A	544	-797	2607
928	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E2F1A	544	-797	2607
929	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F1B	1095	-9796	-11021
930	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F2B	1095	-9796	-11021
931	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F3B	1095	-9796	-11021
932	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C1F4B	1095	-9796	-11021
933	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F1B	1095	-9796	-11021
934	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	C2F2B	1095	-9796	-11021
935	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F1B	775	-8262	-9345
936	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E1F2B	775	-8262	-9345
937	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	E2F1B	0	0	0
938	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5S	0	-1476	0
939	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5X	0	-1476	0
940	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5XY	0	-1476	0
941	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd5Y	0	-1476	0
942	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CP	0	-1686	0
943	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CX	0	-1686	0
944	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CXY	0	-1686	0
945	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CY	0	-1686	0
946	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10S	0	-1335	0
947	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10X	0	-1335	0
948	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10XY	0	-1335	0
949	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd10Y	0	-1335	0
950	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1P	0	-441	0
951	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1X	0	-441	0
952	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1XY	0	-441	0
953	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA2.1Y	0	-441	0
954	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12S	0	-759	0
955	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12X	0	-759	0
956	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12XY	0	-759	0
957	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	Sd12Y	0	-759	0
958	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1P	0	-449	0
959	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1X	0	-449	0
960	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1XY	0	-449	0
961	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	CA1.1Y	0	-449	0
962	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DP	0	-576	0
963	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DX	0	-576	0
964	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DXY	0	-576	0
965	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	DY	0	-576	0
966	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
967	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F1A	0	0	0
968	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F2A	0	0	0
969	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F3A	1051	-1608	5730
970	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F4A	1051	-1608	5730
971	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F1A	0	0	0
972	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F2A	1051	-1608	5730
973	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F1A	0	0	0
974	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F2A	801	-1740	6311
975	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E2F1A	801	-1740	6311
976	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F1B	1495	-18369	-22008
977	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F2B	1495	-18369	-22008
978	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F3B	1495	-18369	-22008
979	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C1F4B	1495	-18369	-22008
980	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F1B	1495	-18369	-22008
981	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	C2F2B	1495	-18369	-22008
982	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F1B	1140	-17064	-20450
983	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E1F2B	1140	-17064	-20450
984	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	E2F1B	0	0	0
985	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5S	0	-681	0
986	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5X	0	-681	0
987	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5XY	0	-681	0
988	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd5Y	0	-681	0
989	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CP	0	-778	0
990	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CX	0	-778	0
991	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CXY	0	-778	0
992	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CY	0	-778	0
993	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10S	0	-616	0
994	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10X	0	-616	0
995	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10XY	0	-616	0
996	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd10Y	0	-616	0
997	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1P	0	-204	0
998	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1X	0	-204	0
999	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1XY	0	-204	0
1000	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA2.1Y	0	-204	0
1001	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12S	0	-350	0
1002	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12X	0	-350	0
1003	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12XY	0	-350	0
1004	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	Sd12Y	0	-350	0
1005	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1P	0	-207	0
1006	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1X	0	-207	0
1007	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1XY	0	-207	0
1008	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	CA1.1Y	0	-207	0
1009	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DP	0	-266	0
1010	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DX	0	-266	0
1011	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DXY	0	-266	0
1012	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	DY	0	-266	0
1013	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1014	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F1A	0	0	0
1015	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F2A	0	0	0
1016	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F3A	769	-378	1294
1017	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F4A	769	-378	1294
1018	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F1A	0	0	0
1019	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F2A	769	-378	1294
1020	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F1A	0	0	0
1021	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F2A	544	-468	1694
1022	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E2F1A	544	-468	1694
1023	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F1B	1095	-10068	-12420
1024	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F2B	1095	-10068	-12420
1025	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F3B	1095	-10068	-12420
1026	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C1F4B	1095	-10068	-12420
1027	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F1B	1095	-10068	-12420
1028	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	C2F2B	1095	-10068	-12420
1029	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F1B	775	-8570	-10591
1030	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E1F2B	775	-8570	-10591
1031	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	E2F1B	0	0	0
1032	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5S	0	-454	0
1033	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5X	0	-454	0
1034	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5XY	0	-454	0
1035	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd5Y	0	-454	0
1036	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CP	0	-519	0
1037	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CX	0	-519	0
1038	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CXY	0	-519	0
1039	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CY	0	-519	0
1040	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10S	0	-411	0
1041	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10X	0	-411	0
1042	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10XY	0	-411	0
1043	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd10Y	0	-411	0
1044	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1P	0	-136	0
1045	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1X	0	-136	0
1046	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1XY	0	-136	0
1047	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA2.1Y	0	-136	0
1048	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12S	0	-234	0
1049	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12X	0	-234	0
1050	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12XY	0	-234	0
1051	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	Sd12Y	0	-234	0
1052	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1P	0	-138	0
1053	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1X	0	-138	0
1054	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1XY	0	-138	0
1055	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	CA1.1Y	0	-138	0
1056	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DP	0	-177	0
1057	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DX	0	-177	0
1058	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DXY	0	-177	0
1059	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	DY	0	-177	0
1060	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1061	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F1A	0	0	0
1062	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F2A	0	0	0
1063	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F3A	1154	-858	3216
1064	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F4A	1154	-858	3216
1065	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F1A	0	0	0
1066	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F2A	1154	-858	3216
1067	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F1A	0	0	0
1068	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F2A	817	-867	3294
1069	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E2F1A	817	-867	3294
1070	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F1B	1642	-11240	-13920
1071	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F2B	1642	-11240	-13920
1072	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F3B	1642	-11240	-13920
1073	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C1F4B	1642	-11240	-13920
1074	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F1B	1642	-11240	-13920
1075	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	C2F2B	1642	-11240	-13920
1076	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F1B	1162	-9514	-11799
1077	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E1F2B	1162	-9514	-11799
1078	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	E2F1B	0	0	0
1079	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5S	0	-454	0
1080	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5X	0	-454	0
1081	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5XY	0	-454	0
1082	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd5Y	0	-454	0
1083	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CP	0	-519	0
1084	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CX	0	-519	0
1085	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CXY	0	-519	0
1086	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CY	0	-519	0
1087	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10S	0	-411	0
1088	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10X	0	-411	0
1089	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10XY	0	-411	0
1090	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd10Y	0	-411	0
1091	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1P	0	-136	0
1092	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1X	0	-136	0
1093	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1XY	0	-136	0
1094	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA2.1Y	0	-136	0
1095	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12S	0	-234	0
1096	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12X	0	-234	0
1097	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12XY	0	-234	0
1098	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	Sd12Y	0	-234	0
1099	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1P	0	-138	0
1100	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1X	0	-138	0
1101	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1XY	0	-138	0
1102	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	CA1.1Y	0	-138	0
1103	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DP	0	-177	0
1104	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DX	0	-177	0
1105	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DXY	0	-177	0
1106	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	DY	0	-177	0
1107	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1108	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F1A	1800	0	0
1109	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F2A	1800	0	0
1110	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F3A	2954	-858	3216
1111	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F4A	2954	-858	3216
1112	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F1A	1800	0	0
1113	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F2A	2954	-858	3216
1114	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F1A	1800	0	0
1115	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F2A	2617	-867	3294
1116	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E2F1A	2617	-867	3294
1117	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F1B	1642	-11240	-13920
1118	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F2B	1642	-11240	-13920
1119	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F3B	1642	-11240	-13920
1120	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C1F4B	1642	-11240	-13920
1121	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F1B	1642	-11240	-13920
1122	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	C2F2B	1642	-11240	-13920
1123	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F1B	1162	-9514	-11799
1124	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E1F2B	1162	-9514	-11799
1125	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	E2F1B	0	0	0
1126	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5S	0	-454	0
1127	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5X	0	-454	0
1128	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5XY	0	-454	0
1129	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd5Y	0	-454	0
1130	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CP	0	-519	0
1131	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CX	0	-519	0
1132	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CXY	0	-519	0
1133	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CY	0	-519	0
1134	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10S	0	-411	0
1135	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10X	0	-411	0
1136	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10XY	0	-411	0
1137	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd10Y	0	-411	0
1138	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1P	0	-136	0
1139	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1X	0	-136	0
1140	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1XY	0	-136	0
1141	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA2.1Y	0	-136	0
1142	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12S	0	-234	0
1143	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12X	0	-234	0
1144	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12XY	0	-234	0
1145	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	Sd12Y	0	-234	0
1146	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1P	0	-138	0
1147	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1X	0	-138	0
1148	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1XY	0	-138	0
1149	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	CA1.1Y	0	-138	0
1150	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DP	0	-177	0
1151	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DX	0	-177	0
1152	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DXY	0	-177	0
1153	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	DY	0	-177	0
1154	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1155	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F1A	769	-1506	754
1156	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F2A	769	-1506	754
1157	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F3A	0	0	0
1158	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F4A	0	0	0
1159	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F1A	769	-1506	754
1160	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F2A	0	0	0
1161	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F1A	544	-1525	773
1162	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F2A	0	0	0
1163	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E2F1A	0	0	0
1164	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F1B	1095	-9796	-11021
1165	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F2B	1095	-9796	-11021
1166	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F3B	1095	-9796	-11021
1167	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C1F4B	1095	-9796	-11021
1168	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F1B	1095	-9796	-11021
1169	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	C2F2B	1095	-9796	-11021
1170	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F1B	775	-8262	-9345
1171	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E1F2B	775	-8262	-9345
1172	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	E2F1B	544	-1525	773
1173	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5S	0	-1476	0
1174	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5X	0	-1476	0
1175	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5XY	0	-1476	0
1176	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd5Y	0	-1476	0
1177	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CP	0	-1686	0
1178	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CX	0	-1686	0
1179	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CXY	0	-1686	0
1180	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CY	0	-1686	0
1181	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10S	0	-1335	0
1182	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10X	0	-1335	0
1183	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10XY	0	-1335	0
1184	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd10Y	0	-1335	0
1185	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1P	0	-441	0
1186	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1X	0	-441	0
1187	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1XY	0	-441	0
1188	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA2.1Y	0	-441	0
1189	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12S	0	-759	0
1190	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12X	0	-759	0
1191	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12XY	0	-759	0
1192	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	Sd12Y	0	-759	0
1193	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1P	0	-449	0
1194	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1X	0	-449	0
1195	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1XY	0	-449	0
1196	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	CA1.1Y	0	-449	0
1197	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DP	0	-576	0
1198	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DX	0	-576	0
1199	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DXY	0	-576	0
1200	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	DY	0	-576	0
1201	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1202	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F1A	1051	-3443	1784
1203	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F2A	1051	-3443	1784
1204	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F3A	0	0	0
1205	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F4A	0	0	0
1206	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F1A	1051	-3443	1784
1207	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F2A	0	0	0
1208	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F1A	801	-3962	2064
1209	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F2A	0	0	0
1210	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E2F1A	0	0	0
1211	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F1B	1495	-18369	-22008
1212	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F2B	1495	-18369	-22008
1213	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F3B	1495	-18369	-22008
1214	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C1F4B	1495	-18369	-22008
1215	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F1B	1495	-18369	-22008
1216	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	C2F2B	1495	-18369	-22008
1217	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F1B	1140	-17064	-20450
1218	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E1F2B	1140	-17064	-20450
1219	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	E2F1B	801	-3962	2064
1220	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5S	0	-681	0
1221	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5X	0	-681	0
1222	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5XY	0	-681	0
1223	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd5Y	0	-681	0
1224	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CP	0	-778	0
1225	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CX	0	-778	0
1226	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CXY	0	-778	0
1227	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CY	0	-778	0
1228	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10S	0	-616	0
1229	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10X	0	-616	0
1230	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10XY	0	-616	0
1231	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd10Y	0	-616	0
1232	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1P	0	-204	0
1233	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1X	0	-204	0
1234	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1XY	0	-204	0
1235	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA2.1Y	0	-204	0
1236	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12S	0	-350	0
1237	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12X	0	-350	0
1238	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12XY	0	-350	0
1239	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	Sd12Y	0	-350	0
1240	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1P	0	-207	0
1241	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1X	0	-207	0
1242	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1XY	0	-207	0
1243	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	CA1.1Y	0	-207	0
1244	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DP	0	-266	0
1245	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DX	0	-266	0
1246	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DXY	0	-266	0
1247	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	DY	0	-266	0
1248	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1249	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F1A	769	-1131	587
1250	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F2A	769	-1131	587
1251	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F3A	0	0	0
1252	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F4A	0	0	0
1253	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F1A	769	-1131	587
1254	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F2A	0	0	0
1255	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F1A	544	-1346	704
1256	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F2A	0	0	0
1257	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E2F1A	0	0	0
1258	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F1B	1095	-10068	-12420
1259	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F2B	1095	-10068	-12420
1260	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F3B	1095	-10068	-12420
1261	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C1F4B	1095	-10068	-12420
1262	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F1B	1095	-10068	-12420
1263	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	C2F2B	1095	-10068	-12420
1264	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F1B	775	-8570	-10591
1265	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E1F2B	775	-8570	-10591
1266	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	E2F1B	544	-1346	704
1267	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5S	0	-454	0
1268	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5X	0	-454	0
1269	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5XY	0	-454	0
1270	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd5Y	0	-454	0
1271	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CP	0	-519	0
1272	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CX	0	-519	0
1273	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CXY	0	-519	0
1274	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CY	0	-519	0
1275	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10S	0	-411	0
1276	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10X	0	-411	0
1277	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10XY	0	-411	0
1278	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd10Y	0	-411	0
1279	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1P	0	-136	0
1280	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1X	0	-136	0
1281	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1XY	0	-136	0
1282	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA2.1Y	0	-136	0
1283	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12S	0	-234	0
1284	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12X	0	-234	0
1285	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12XY	0	-234	0
1286	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	Sd12Y	0	-234	0
1287	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1P	0	-138	0
1288	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1X	0	-138	0
1289	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1XY	0	-138	0
1290	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	CA1.1Y	0	-138	0
1291	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DP	0	-177	0
1292	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DX	0	-177	0
1293	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DXY	0	-177	0
1294	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	DY	0	-177	0
1295	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1296	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F1A	1154	-1846	967
1297	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F2A	1154	-1846	967
1298	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F3A	0	0	0
1299	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F4A	0	0	0
1300	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F1A	1154	-1846	967
1301	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F2A	0	0	0
1302	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F1A	817	-1897	997
1303	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F2A	0	0	0
1304	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E2F1A	0	0	0
1305	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F1B	1642	-11240	-13920
1306	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F2B	1642	-11240	-13920
1307	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F3B	1642	-11240	-13920
1308	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C1F4B	1642	-11240	-13920
1309	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F1B	1642	-11240	-13920
1310	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	C2F2B	1642	-11240	-13920
1311	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F1B	1162	-9514	-11799
1312	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E1F2B	1162	-9514	-11799
1313	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	E2F1B	817	-1897	997
1314	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5S	0	-454	0
1315	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5X	0	-454	0
1316	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5XY	0	-454	0
1317	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd5Y	0	-454	0
1318	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CP	0	-519	0
1319	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CX	0	-519	0
1320	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CXY	0	-519	0
1321	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CY	0	-519	0
1322	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10S	0	-411	0
1323	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10X	0	-411	0
1324	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10XY	0	-411	0
1325	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd10Y	0	-411	0
1326	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1P	0	-136	0
1327	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1X	0	-136	0
1328	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1XY	0	-136	0
1329	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA2.1Y	0	-136	0
1330	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12S	0	-234	0
1331	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12X	0	-234	0
1332	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12XY	0	-234	0
1333	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	Sd12Y	0	-234	0
1334	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1P	0	-138	0
1335	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1X	0	-138	0
1336	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1XY	0	-138	0
1337	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	CA1.1Y	0	-138	0
1338	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DP	0	-177	0
1339	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DX	0	-177	0
1340	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DXY	0	-177	0
1341	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	DY	0	-177	0
1342	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1343	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F1A	2954	-1846	967
1344	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F2A	2954	-1846	967
1345	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F3A	1800	0	0
1346	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F4A	1800	0	0
1347	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F1A	2954	-1846	967
1348	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F2A	1800	0	0
1349	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F1A	2617	-1897	997
1350	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F2A	1800	0	0
1351	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E2F1A	1800	0	0
1352	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F1B	1642	-11240	-13920
1353	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F2B	1642	-11240	-13920
1354	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F3B	1642	-11240	-13920
1355	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C1F4B	1642	-11240	-13920
1356	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F1B	1642	-11240	-13920
1357	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	C2F2B	1642	-11240	-13920
1358	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F1B	1162	-9514	-11799
1359	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E1F2B	1162	-9514	-11799
1360	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	E2F1B	817	-1897	997
1361	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5S	0	-454	0
1362	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5X	0	-454	0
1363	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5XY	0	-454	0
1364	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd5Y	0	-454	0
1365	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CP	0	-519	0
1366	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CX	0	-519	0
1367	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CXY	0	-519	0
1368	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CY	0	-519	0
1369	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10S	0	-411	0
1370	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10X	0	-411	0
1371	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10XY	0	-411	0
1372	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd10Y	0	-411	0
1373	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1P	0	-136	0
1374	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1X	0	-136	0
1375	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1XY	0	-136	0
1376	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA2.1Y	0	-136	0
1377	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12S	0	-234	0
1378	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12X	0	-234	0
1379	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12XY	0	-234	0
1380	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	Sd12Y	0	-234	0
1381	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1P	0	-138	0
1382	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1X	0	-138	0
1383	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1XY	0	-138	0
1384	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	CA1.1Y	0	-138	0
1385	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DP	0	-177	0
1386	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DX	0	-177	0
1387	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DXY	0	-177	0
1388	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	DY	0	-177	0
1389	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1390	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F1A	769	-1506	754
1391	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F2A	769	-1506	754
1392	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F3A	769	-826	2585
1393	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F4A	769	-826	2585
1394	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F1A	769	-1506	754
1395	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F2A	769	-826	2585
1396	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F1A	544	-1525	773
1397	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F2A	544	-797	2607
1398	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E2F1A	544	-797	2607
1399	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F1B	0	0	0
1400	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F2B	0	0	0
1401	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F3B	1095	-9796	-11021
1402	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C1F4B	1095	-9796	-11021
1403	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F1B	0	0	0
1404	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	C2F2B	1095	-9796	-11021
1405	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F1B	0	0	0
1406	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E1F2B	775	-8262	-9345
1407	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	E2F1B	544	-1525	773
1408	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5S	0	-1476	0
1409	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5X	0	-1476	0
1410	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5XY	0	-1476	0
1411	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd5Y	0	-1476	0
1412	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CP	0	-1686	0
1413	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CX	0	-1686	0
1414	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CXY	0	-1686	0
1415	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CY	0	-1686	0
1416	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10S	0	-1335	0
1417	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10X	0	-1335	0
1418	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10XY	0	-1335	0
1419	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd10Y	0	-1335	0
1420	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1P	0	-441	0
1421	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1X	0	-441	0
1422	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1XY	0	-441	0
1423	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA2.1Y	0	-441	0
1424	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12S	0	-759	0
1425	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12X	0	-759	0
1426	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12XY	0	-759	0
1427	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	Sd12Y	0	-759	0
1428	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1P	0	-449	0
1429	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1X	0	-449	0
1430	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1XY	0	-449	0
1431	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	CA1.1Y	0	-449	0
1432	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DP	0	-576	0
1433	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DX	0	-576	0
1434	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DXY	0	-576	0
1435	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	DY	0	-576	0
1436	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1437	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F1A	1051	-3443	1784
1438	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F2A	1051	-3443	1784
1439	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F3A	1051	-1608	5730
1440	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F4A	1051	-1608	5730
1441	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F1A	1051	-3443	1784
1442	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F2A	1051	-1608	5730
1443	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F1A	801	-3962	2064
1444	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F2A	801	-1740	6311
1445	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E2F1A	801	-1740	6311
1446	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F1B	0	0	0
1447	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F2B	0	0	0
1448	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F3B	1495	-18369	-22008
1449	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C1F4B	1495	-18369	-22008
1450	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F1B	0	0	0
1451	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	C2F2B	1495	-18369	-22008
1452	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F1B	0	0	0
1453	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E1F2B	1140	-17064	-20450
1454	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	E2F1B	801	-3962	2064
1455	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5S	0	-681	0
1456	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5X	0	-681	0
1457	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5XY	0	-681	0
1458	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd5Y	0	-681	0
1459	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CP	0	-778	0
1460	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CX	0	-778	0
1461	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CXY	0	-778	0
1462	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CY	0	-778	0
1463	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10S	0	-616	0
1464	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10X	0	-616	0
1465	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10XY	0	-616	0
1466	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd10Y	0	-616	0
1467	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1P	0	-204	0
1468	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1X	0	-204	0
1469	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1XY	0	-204	0
1470	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA2.1Y	0	-204	0
1471	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12S	0	-350	0
1472	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12X	0	-350	0
1473	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12XY	0	-350	0
1474	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	Sd12Y	0	-350	0
1475	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1P	0	-207	0
1476	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1X	0	-207	0
1477	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1XY	0	-207	0
1478	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	CA1.1Y	0	-207	0
1479	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DP	0	-266	0
1480	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DX	0	-266	0
1481	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DXY	0	-266	0
1482	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	DY	0	-266	0
1483	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1484	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F1A	769	-1131	587
1485	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F2A	769	-1131	587
1486	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F3A	769	-378	1294
1487	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F4A	769	-378	1294
1488	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F1A	769	-1131	587
1489	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F2A	769	-378	1294
1490	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F1A	544	-1346	704
1491	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F2A	544	-468	1694
1492	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E2F1A	544	-468	1694
1493	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F1B	0	0	0
1494	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F2B	0	0	0
1495	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F3B	1095	-10068	-12420
1496	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C1F4B	1095	-10068	-12420
1497	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F1B	0	0	0
1498	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	C2F2B	1095	-10068	-12420
1499	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F1B	0	0	0
1500	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E1F2B	775	-8570	-10591
1501	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	E2F1B	544	-1346	704
1502	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5S	0	-454	0
1503	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5X	0	-454	0
1504	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5XY	0	-454	0
1505	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd5Y	0	-454	0
1506	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CP	0	-519	0
1507	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CX	0	-519	0
1508	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CXY	0	-519	0
1509	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CY	0	-519	0
1510	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10S	0	-411	0
1511	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10X	0	-411	0
1512	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10XY	0	-411	0
1513	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd10Y	0	-411	0
1514	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1P	0	-136	0
1515	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1X	0	-136	0
1516	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1XY	0	-136	0
1517	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA2.1Y	0	-136	0
1518	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12S	0	-234	0
1519	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12X	0	-234	0
1520	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12XY	0	-234	0
1521	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	Sd12Y	0	-234	0
1522	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1P	0	-138	0
1523	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1X	0	-138	0
1524	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1XY	0	-138	0
1525	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	CA1.1Y	0	-138	0
1526	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DP	0	-177	0
1527	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DX	0	-177	0
1528	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DXY	0	-177	0
1529	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	DY	0	-177	0
1530	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1531	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F1A	1154	-1846	967
1532	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F2A	1154	-1846	967
1533	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F3A	1154	-858	3216
1534	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F4A	1154	-858	3216
1535	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F1A	1154	-1846	967
1536	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F2A	1154	-858	3216
1537	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F1A	817	-1897	997
1538	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F2A	817	-867	3294
1539	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E2F1A	817	-867	3294
1540	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F1B	0	0	0
1541	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F2B	0	0	0
1542	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F3B	1642	-11240	-13920
1543	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C1F4B	1642	-11240	-13920
1544	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F1B	0	0	0
1545	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	C2F2B	1642	-11240	-13920
1546	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F1B	0	0	0
1547	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E1F2B	1162	-9514	-11799
1548	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	E2F1B	817	-1897	997
1549	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5S	0	-454	0
1550	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5X	0	-454	0
1551	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5XY	0	-454	0
1552	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd5Y	0	-454	0
1553	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CP	0	-519	0
1554	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CX	0	-519	0
1555	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CXY	0	-519	0
1556	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CY	0	-519	0
1557	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10S	0	-411	0
1558	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10X	0	-411	0
1559	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10XY	0	-411	0
1560	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd10Y	0	-411	0
1561	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1P	0	-136	0
1562	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1X	0	-136	0
1563	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1XY	0	-136	0
1564	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA2.1Y	0	-136	0
1565	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12S	0	-234	0
1566	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12X	0	-234	0
1567	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12XY	0	-234	0
1568	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	Sd12Y	0	-234	0
1569	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1P	0	-138	0
1570	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1X	0	-138	0
1571	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1XY	0	-138	0
1572	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	CA1.1Y	0	-138	0
1573	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DP	0	-177	0
1574	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DX	0	-177	0
1575	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DXY	0	-177	0
1576	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	DY	0	-177	0
1577	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1578	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F1A	2954	-1846	967
1579	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F2A	2954	-1846	967
1580	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F3A	2954	-858	3216
1581	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F4A	2954	-858	3216
1582	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F1A	2954	-1846	967
1583	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F2A	2954	-858	3216
1584	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F1A	2617	-1897	997
1585	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F2A	2617	-867	3294
1586	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E2F1A	2617	-867	3294
1587	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F1B	0	0	0
1588	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F2B	0	0	0
1589	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F3B	1642	-11240	-13920
1590	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C1F4B	1642	-11240	-13920
1591	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F1B	0	0	0
1592	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	C2F2B	1642	-11240	-13920
1593	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F1B	0	0	0
1594	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E1F2B	1162	-9514	-11799
1595	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	E2F1B	817	-1897	997
1596	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5S	0	-454	0
1597	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5X	0	-454	0
1598	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5XY	0	-454	0
1599	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd5Y	0	-454	0
1600	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CP	0	-519	0
1601	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CX	0	-519	0
1602	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CXY	0	-519	0
1603	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CY	0	-519	0
1604	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10S	0	-411	0
1605	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10X	0	-411	0
1606	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10XY	0	-411	0
1607	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd10Y	0	-411	0
1608	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1P	0	-136	0
1609	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1X	0	-136	0
1610	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1XY	0	-136	0
1611	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA2.1Y	0	-136	0
1612	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12S	0	-234	0
1613	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12X	0	-234	0
1614	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12XY	0	-234	0
1615	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	Sd12Y	0	-234	0
1616	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1P	0	-138	0
1617	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1X	0	-138	0
1618	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1XY	0	-138	0
1619	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	CA1.1Y	0	-138	0
1620	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DP	0	-177	0
1621	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DX	0	-177	0
1622	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DXY	0	-177	0
1623	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	DY	0	-177	0
1624	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1625	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F1A	769	-1506	754
1626	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F2A	769	-1506	754
1627	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F3A	769	-826	2585
1628	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F4A	769	-826	2585
1629	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F1A	769	-1506	754
1630	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F2A	769	-826	2585
1631	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F1A	544	-1525	773
1632	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F2A	544	-797	2607
1633	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E2F1A	544	-797	2607
1634	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F1B	1095	-9796	-11021
1635	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F2B	1095	-9796	-11021
1636	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F3B	0	0	0
1637	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C1F4B	0	0	0
1638	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F1B	1095	-9796	-11021
1639	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	C2F2B	0	0	0
1640	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F1B	775	-8262	-9345
1641	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E1F2B	0	0	0
1642	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	E2F1B	544	-1525	773
1643	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5S	0	-1476	0
1644	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5X	0	-1476	0
1645	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5XY	0	-1476	0
1646	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd5Y	0	-1476	0
1647	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CP	0	-1686	0
1648	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CX	0	-1686	0
1649	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CXY	0	-1686	0
1650	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CY	0	-1686	0
1651	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10S	0	-1335	0
1652	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10X	0	-1335	0
1653	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10XY	0	-1335	0
1654	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd10Y	0	-1335	0
1655	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1P	0	-441	0
1656	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1X	0	-441	0
1657	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1XY	0	-441	0
1658	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA2.1Y	0	-441	0
1659	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12S	0	-759	0
1660	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12X	0	-759	0
1661	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12XY	0	-759	0
1662	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	Sd12Y	0	-759	0
1663	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1P	0	-449	0
1664	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1X	0	-449	0
1665	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1XY	0	-449	0
1666	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	CA1.1Y	0	-449	0
1667	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DP	0	-576	0
1668	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DX	0	-576	0
1669	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DXY	0	-576	0
1670	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	DY	0	-576	0
1671	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1672	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F1A	1051	-3443	1784
1673	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F2A	1051	-3443	1784
1674	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F3A	1051	-1608	5730
1675	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F4A	1051	-1608	5730
1676	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F1A	1051	-3443	1784
1677	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F2A	1051	-1608	5730
1678	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F1A	801	-3962	2064
1679	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F2A	801	-1740	6311
1680	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E2F1A	801	-1740	6311
1681	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F1B	1495	-18369	-22008
1682	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F2B	1495	-18369	-22008
1683	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F3B	0	0	0
1684	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C1F4B	0	0	0
1685	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F1B	1495	-18369	-22008
1686	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	C2F2B	0	0	0
1687	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F1B	1140	-17064	-20450
1688	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E1F2B	0	0	0
1689	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	E2F1B	801	-3962	2064
1690	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5S	0	-681	0
1691	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5X	0	-681	0
1692	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5XY	0	-681	0
1693	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd5Y	0	-681	0
1694	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CP	0	-778	0
1695	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CX	0	-778	0
1696	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CXY	0	-778	0
1697	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CY	0	-778	0
1698	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10S	0	-616	0
1699	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10X	0	-616	0
1700	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10XY	0	-616	0
1701	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd10Y	0	-616	0
1702	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1P	0	-204	0
1703	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1X	0	-204	0
1704	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1XY	0	-204	0
1705	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA2.1Y	0	-204	0
1706	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12S	0	-350	0
1707	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12X	0	-350	0
1708	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12XY	0	-350	0
1709	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	Sd12Y	0	-350	0
1710	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1P	0	-207	0
1711	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1X	0	-207	0
1712	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1XY	0	-207	0
1713	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	CA1.1Y	0	-207	0
1714	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DP	0	-266	0
1715	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DX	0	-266	0
1716	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DXY	0	-266	0
1717	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	DY	0	-266	0
1718	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1719	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F1A	769	-1131	587
1720	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F2A	769	-1131	587
1721	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F3A	769	-378	1294
1722	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F4A	769	-378	1294
1723	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F1A	769	-1131	587
1724	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F2A	769	-378	1294
1725	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F1A	544	-1346	704
1726	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F2A	544	-468	1694
1727	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E2F1A	544	-468	1694
1728	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F1B	1095	-10068	-12420
1729	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F2B	1095	-10068	-12420
1730	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F3B	0	0	0
1731	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C1F4B	0	0	0
1732	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F1B	1095	-10068	-12420
1733	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	C2F2B	0	0	0
1734	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F1B	775	-8570	-10591
1735	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E1F2B	0	0	0
1736	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	E2F1B	544	-1346	704
1737	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5S	0	-454	0
1738	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5X	0	-454	0
1739	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5XY	0	-454	0
1740	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd5Y	0	-454	0
1741	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CP	0	-519	0
1742	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CX	0	-519	0
1743	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CXY	0	-519	0
1744	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CY	0	-519	0
1745	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10S	0	-411	0
1746	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10X	0	-411	0
1747	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10XY	0	-411	0
1748	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd10Y	0	-411	0
1749	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1P	0	-136	0
1750	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1X	0	-136	0
1751	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1XY	0	-136	0
1752	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA2.1Y	0	-136	0
1753	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12S	0	-234	0
1754	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12X	0	-234	0
1755	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12XY	0	-234	0
1756	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	Sd12Y	0	-234	0
1757	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1P	0	-138	0
1758	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1X	0	-138	0
1759	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1XY	0	-138	0
1760	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	CA1.1Y	0	-138	0
1761	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DP	0	-177	0
1762	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DX	0	-177	0
1763	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DXY	0	-177	0
1764	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	DY	0	-177	0
1765	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1766	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F1A	1154	-1846	967
1767	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F2A	1154	-1846	967
1768	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F3A	1154	-858	3216
1769	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F4A	1154	-858	3216
1770	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F1A	1154	-1846	967
1771	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F2A	1154	-858	3216
1772	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F1A	817	-1897	997
1773	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F2A	817	-867	3294
1774	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E2F1A	817	-867	3294
1775	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F1B	1642	-11240	-13920
1776	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F2B	1642	-11240	-13920
1777	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F3B	0	0	0
1778	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C1F4B	0	0	0
1779	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F1B	1642	-11240	-13920
1780	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	C2F2B	0	0	0
1781	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F1B	1162	-9514	-11799
1782	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E1F2B	0	0	0
1783	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	E2F1B	817	-1897	997
1784	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5S	0	-454	0
1785	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5X	0	-454	0
1786	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5XY	0	-454	0
1787	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd5Y	0	-454	0
1788	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CP	0	-519	0
1789	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CX	0	-519	0
1790	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CXY	0	-519	0
1791	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CY	0	-519	0
1792	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10S	0	-411	0
1793	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10X	0	-411	0
1794	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10XY	0	-411	0
1795	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd10Y	0	-411	0
1796	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1P	0	-136	0
1797	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1X	0	-136	0
1798	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1XY	0	-136	0
1799	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA2.1Y	0	-136	0
1800	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12S	0	-234	0
1801	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12X	0	-234	0
1802	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12XY	0	-234	0
1803	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	Sd12Y	0	-234	0
1804	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1P	0	-138	0
1805	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1X	0	-138	0
1806	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1XY	0	-138	0
1807	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	CA1.1Y	0	-138	0
1808	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DP	0	-177	0
1809	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DX	0	-177	0
1810	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DXY	0	-177	0
1811	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	DY	0	-177	0
1812	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1813	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F1A	2954	-1846	967
1814	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F2A	2954	-1846	967
1815	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F3A	2954	-858	3216
1816	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F4A	2954	-858	3216
1817	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F1A	2954	-1846	967
1818	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F2A	2954	-858	3216
1819	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F1A	2617	-1897	997
1820	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F2A	2617	-867	3294
1821	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E2F1A	2617	-867	3294
1822	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F1B	1642	-11240	-13920
1823	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F2B	1642	-11240	-13920
1824	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F3B	0	0	0
1825	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C1F4B	0	0	0
1826	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F1B	1642	-11240	-13920
1827	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	C2F2B	0	0	0
1828	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F1B	1162	-9514	-11799
1829	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E1F2B	0	0	0
1830	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	E2F1B	817	-1897	997
1831	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5S	0	-454	0
1832	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5X	0	-454	0
1833	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5XY	0	-454	0
1834	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd5Y	0	-454	0
1835	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CP	0	-519	0
1836	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CX	0	-519	0
1837	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CXY	0	-519	0
1838	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CY	0	-519	0
1839	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10S	0	-411	0
1840	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10X	0	-411	0
1841	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10XY	0	-411	0
1842	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd10Y	0	-411	0
1843	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1P	0	-136	0
1844	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1X	0	-136	0
1845	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1XY	0	-136	0
1846	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA2.1Y	0	-136	0
1847	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12S	0	-234	0
1848	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12X	0	-234	0
1849	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12XY	0	-234	0
1850	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	Sd12Y	0	-234	0
1851	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1P	0	-138	0
1852	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1X	0	-138	0
1853	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1XY	0	-138	0
1854	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	CA1.1Y	0	-138	0
1855	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DP	0	-177	0
1856	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DX	0	-177	0
1857	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DXY	0	-177	0
1858	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	DY	0	-177	0
1859	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1860	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F1A	0	0	0
1861	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F2A	0	0	0
1862	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F3A	0	0	0
1863	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F4A	0	0	0
1864	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F1A	0	0	0
1865	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F2A	0	0	0
1866	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F1A	0	0	0
1867	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F2A	0	0	0
1868	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E2F1A	0	0	0
1869	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F1B	1095	-9796	-11021
1870	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F2B	1095	-9796	-11021
1871	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F3B	1095	-9796	-11021
1872	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C1F4B	1095	-9796	-11021
1873	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F1B	1095	-9796	-11021
1874	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	C2F2B	1095	-9796	-11021
1875	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F1B	775	-8262	-9345
1876	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E1F2B	775	-8262	-9345
1877	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	E2F1B	0	0	0
1878	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5S	0	-1476	0
1879	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5X	0	-1476	0
1880	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5XY	0	-1476	0
1881	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd5Y	0	-1476	0
1882	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CP	0	-1686	0
1883	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CX	0	-1686	0
1884	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CXY	0	-1686	0
1885	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CY	0	-1686	0
1886	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10S	0	-1335	0
1887	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10X	0	-1335	0
1888	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10XY	0	-1335	0
1889	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd10Y	0	-1335	0
1890	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1P	0	-441	0
1891	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1X	0	-441	0
1892	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1XY	0	-441	0
1893	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA2.1Y	0	-441	0
1894	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12S	0	-759	0
1895	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12X	0	-759	0
1896	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12XY	0	-759	0
1897	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	Sd12Y	0	-759	0
1898	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1P	0	-449	0
1899	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1X	0	-449	0
1900	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1XY	0	-449	0
1901	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	CA1.1Y	0	-449	0
1902	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DP	0	-576	0
1903	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DX	0	-576	0
1904	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DXY	0	-576	0
1905	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	DY	0	-576	0
1906	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1907	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F1A	0	0	0
1908	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F2A	0	0	0
1909	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F3A	0	0	0
1910	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F4A	0	0	0
1911	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F1A	0	0	0
1912	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F2A	0	0	0
1913	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F1A	0	0	0
1914	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F2A	0	0	0
1915	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E2F1A	0	0	0
1916	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F1B	1495	-18369	-22008
1917	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F2B	1495	-18369	-22008
1918	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F3B	1495	-18369	-22008
1919	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C1F4B	1495	-18369	-22008
1920	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F1B	1495	-18369	-22008
1921	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	C2F2B	1495	-18369	-22008
1922	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F1B	1140	-17064	-20450
1923	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E1F2B	1140	-17064	-20450
1924	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	E2F1B	0	0	0
1925	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5S	0	-681	0
1926	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5X	0	-681	0
1927	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5XY	0	-681	0
1928	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd5Y	0	-681	0
1929	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CP	0	-778	0
1930	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CX	0	-778	0
1931	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CXY	0	-778	0
1932	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CY	0	-778	0
1933	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10S	0	-616	0
1934	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10X	0	-616	0
1935	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10XY	0	-616	0
1936	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd10Y	0	-616	0
1937	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1P	0	-204	0
1938	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1X	0	-204	0
1939	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1XY	0	-204	0
1940	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA2.1Y	0	-204	0
1941	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12S	0	-350	0
1942	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12X	0	-350	0
1943	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12XY	0	-350	0
1944	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	Sd12Y	0	-350	0
1945	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1P	0	-207	0
1946	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1X	0	-207	0
1947	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1XY	0	-207	0
1948	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	CA1.1Y	0	-207	0
1949	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DP	0	-266	0
1950	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DX	0	-266	0
1951	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DXY	0	-266	0
1952	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	DY	0	-266	0
1953	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
1954	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F1A	0	0	0
1955	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F2A	0	0	0
1956	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F3A	0	0	0
1957	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F4A	0	0	0
1958	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F1A	0	0	0
1959	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F2A	0	0	0
1960	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F1A	0	0	0
1961	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F2A	0	0	0
1962	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E2F1A	0	0	0
1963	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F1B	1095	-10068	-12420
1964	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F2B	1095	-10068	-12420
1965	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F3B	1095	-10068	-12420
1966	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C1F4B	1095	-10068	-12420
1967	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F1B	1095	-10068	-12420
1968	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	C2F2B	1095	-10068	-12420
1969	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F1B	775	-8570	-10591
1970	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E1F2B	775	-8570	-10591
1971	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	E2F1B	0	0	0
1972	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5S	0	-454	0
1973	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5X	0	-454	0
1974	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5XY	0	-454	0
1975	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd5Y	0	-454	0
1976	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CP	0	-519	0
1977	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CX	0	-519	0
1978	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CXY	0	-519	0
1979	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CY	0	-519	0
1980	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10S	0	-411	0
1981	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10X	0	-411	0
1982	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10XY	0	-411	0
1983	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd10Y	0	-411	0
1984	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1P	0	-136	0
1985	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1X	0	-136	0
1986	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1XY	0	-136	0
1987	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA2.1Y	0	-136	0
1988	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12S	0	-234	0
1989	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12X	0	-234	0
1990	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12XY	0	-234	0
1991	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	Sd12Y	0	-234	0
1992	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1P	0	-138	0
1993	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1X	0	-138	0
1994	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1XY	0	-138	0
1995	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	CA1.1Y	0	-138	0
1996	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DP	0	-177	0
1997	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DX	0	-177	0
1998	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DXY	0	-177	0
1999	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	DY	0	-177	0
2000	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2001	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F1A	0	0	0
2002	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F2A	0	0	0
2003	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F3A	0	0	0
2004	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F4A	0	0	0
2005	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F1A	0	0	0
2006	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F2A	0	0	0
2007	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F1A	0	0	0
2008	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F2A	0	0	0
2009	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E2F1A	0	0	0
2010	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F1B	1642	-11240	-13920
2011	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F2B	1642	-11240	-13920
2012	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F3B	1642	-11240	-13920
2013	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C1F4B	1642	-11240	-13920
2014	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F1B	1642	-11240	-13920
2015	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	C2F2B	1642	-11240	-13920
2016	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F1B	1162	-9514	-11799
2017	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E1F2B	1162	-9514	-11799
2018	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	E2F1B	0	0	0
2019	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5S	0	-454	0
2020	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5X	0	-454	0
2021	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5XY	0	-454	0
2022	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd5Y	0	-454	0
2023	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CP	0	-519	0
2024	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CX	0	-519	0
2025	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CXY	0	-519	0
2026	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CY	0	-519	0
2027	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10S	0	-411	0
2028	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10X	0	-411	0
2029	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10XY	0	-411	0
2030	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd10Y	0	-411	0
2031	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1P	0	-136	0
2032	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1X	0	-136	0
2033	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1XY	0	-136	0
2034	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA2.1Y	0	-136	0
2035	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12S	0	-234	0
2036	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12X	0	-234	0
2037	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12XY	0	-234	0
2038	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	Sd12Y	0	-234	0
2039	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1P	0	-138	0
2040	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1X	0	-138	0
2041	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1XY	0	-138	0
2042	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	CA1.1Y	0	-138	0
2043	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DP	0	-177	0
2044	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DX	0	-177	0
2045	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DXY	0	-177	0
2046	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	DY	0	-177	0
2047	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2048	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F1A	0	0	0
2049	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F2A	0	0	0
2050	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F3A	0	0	0
2051	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F4A	0	0	0
2052	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F1A	0	0	0
2053	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F2A	0	0	0
2054	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F1A	0	0	0
2055	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F2A	0	0	0
2056	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E2F1A	0	0	0
2057	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F1B	3442	-11240	-13920
2058	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F2B	3442	-11240	-13920
2059	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F3B	3442	-11240	-13920
2060	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C1F4B	3442	-11240	-13920
2061	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F1B	3442	-11240	-13920
2062	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	C2F2B	3442	-11240	-13920
2063	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F1B	2962	-9514	-11799
2064	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E1F2B	2962	-9514	-11799
2065	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	E2F1B	1800	0	0
2066	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5S	0	-454	0
2067	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5X	0	-454	0
2068	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5XY	0	-454	0
2069	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd5Y	0	-454	0
2070	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CP	0	-519	0
2071	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CX	0	-519	0
2072	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CXY	0	-519	0
2073	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CY	0	-519	0
2074	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10S	0	-411	0
2075	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10X	0	-411	0
2076	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10XY	0	-411	0
2077	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd10Y	0	-411	0
2078	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1P	0	-136	0
2079	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1X	0	-136	0
2080	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1XY	0	-136	0
2081	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA2.1Y	0	-136	0
2082	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12S	0	-234	0
2083	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12X	0	-234	0
2084	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12XY	0	-234	0
2085	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	Sd12Y	0	-234	0
2086	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1P	0	-138	0
2087	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1X	0	-138	0
2088	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1XY	0	-138	0
2089	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	CA1.1Y	0	-138	0
2090	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DP	0	-177	0
2091	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DX	0	-177	0
2092	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DXY	0	-177	0
2093	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	DY	0	-177	0
2094	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2095	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F1A	769	-1506	754
2096	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F2A	769	-1506	754
2097	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F3A	769	-826	2585
2098	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F4A	769	-826	2585
2099	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F1A	769	-1506	754
2100	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F2A	769	-826	2585
2101	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F1A	544	-1525	773
2102	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F2A	544	-797	2607
2103	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E2F1A	544	-797	2607
2104	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F1B	0	0	0
2105	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F2B	0	0	0
2106	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F3B	0	0	0
2107	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C1F4B	0	0	0
2108	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F1B	0	0	0
2109	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	C2F2B	0	0	0
2110	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F1B	0	0	0
2111	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E1F2B	0	0	0
2112	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	E2F1B	544	-1525	773
2113	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5S	0	-1476	0
2114	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5X	0	-1476	0
2115	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5XY	0	-1476	0
2116	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd5Y	0	-1476	0
2117	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CP	0	-1686	0
2118	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CX	0	-1686	0
2119	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CXY	0	-1686	0
2120	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CY	0	-1686	0
2121	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10S	0	-1335	0
2122	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10X	0	-1335	0
2123	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10XY	0	-1335	0
2124	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd10Y	0	-1335	0
2125	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1P	0	-441	0
2126	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1X	0	-441	0
2127	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1XY	0	-441	0
2128	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA2.1Y	0	-441	0
2129	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12S	0	-759	0
2130	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12X	0	-759	0
2131	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12XY	0	-759	0
2132	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	Sd12Y	0	-759	0
2133	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1P	0	-449	0
2134	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1X	0	-449	0
2135	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1XY	0	-449	0
2136	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	CA1.1Y	0	-449	0
2137	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DP	0	-576	0
2138	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DX	0	-576	0
2139	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DXY	0	-576	0
2140	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	DY	0	-576	0
2141	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	TopP	0	-362	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2142	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F1A	1051	-3443	1784
2143	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F2A	1051	-3443	1784
2144	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F3A	1051	-1608	5730
2145	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F4A	1051	-1608	5730
2146	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F1A	1051	-3443	1784
2147	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F2A	1051	-1608	5730
2148	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F1A	801	-3962	2064
2149	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F2A	801	-1740	6311
2150	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E2F1A	801	-1740	6311
2151	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F1B	0	0	0
2152	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F2B	0	0	0
2153	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F3B	0	0	0
2154	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C1F4B	0	0	0
2155	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F1B	0	0	0
2156	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	C2F2B	0	0	0
2157	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F1B	0	0	0
2158	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E1F2B	0	0	0
2159	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	E2F1B	801	-3962	2064
2160	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5S	0	-681	0
2161	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5X	0	-681	0
2162	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5XY	0	-681	0
2163	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd5Y	0	-681	0
2164	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CP	0	-778	0
2165	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CX	0	-778	0
2166	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CXY	0	-778	0
2167	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CY	0	-778	0
2168	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10S	0	-616	0
2169	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10X	0	-616	0
2170	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10XY	0	-616	0
2171	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd10Y	0	-616	0
2172	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1P	0	-204	0
2173	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1X	0	-204	0
2174	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1XY	0	-204	0
2175	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA2.1Y	0	-204	0
2176	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12S	0	-350	0
2177	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12X	0	-350	0
2178	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12XY	0	-350	0
2179	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	Sd12Y	0	-350	0
2180	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1P	0	-207	0
2181	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1X	0	-207	0
2182	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1XY	0	-207	0
2183	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	CA1.1Y	0	-207	0
2184	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DP	0	-266	0
2185	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DX	0	-266	0
2186	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DXY	0	-266	0
2187	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	DY	0	-266	0
2188	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	TopP	0	-167	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2189	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F1A	769	-1131	587
2190	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F2A	769	-1131	587
2191	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F3A	769	-378	1294
2192	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F4A	769	-378	1294
2193	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F1A	769	-1131	587
2194	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F2A	769	-378	1294
2195	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F1A	544	-1346	704
2196	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F2A	544	-468	1694
2197	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E2F1A	544	-468	1694
2198	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F1B	0	0	0
2199	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F2B	0	0	0
2200	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F3B	0	0	0
2201	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C1F4B	0	0	0
2202	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F1B	0	0	0
2203	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	C2F2B	0	0	0
2204	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F1B	0	0	0
2205	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E1F2B	0	0	0
2206	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	E2F1B	544	-1346	704
2207	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5S	0	-454	0
2208	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5X	0	-454	0
2209	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5XY	0	-454	0
2210	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd5Y	0	-454	0
2211	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CP	0	-519	0
2212	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CX	0	-519	0
2213	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CXY	0	-519	0
2214	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CY	0	-519	0
2215	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10S	0	-411	0
2216	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10X	0	-411	0
2217	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10XY	0	-411	0
2218	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd10Y	0	-411	0
2219	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1P	0	-136	0
2220	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1X	0	-136	0
2221	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1XY	0	-136	0
2222	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA2.1Y	0	-136	0
2223	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12S	0	-234	0
2224	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12X	0	-234	0
2225	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12XY	0	-234	0
2226	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	Sd12Y	0	-234	0
2227	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1P	0	-138	0
2228	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1X	0	-138	0
2229	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1XY	0	-138	0
2230	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	CA1.1Y	0	-138	0
2231	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DP	0	-177	0
2232	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DX	0	-177	0
2233	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DXY	0	-177	0
2234	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	DY	0	-177	0
2235	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2236	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F1A	1154	-1846	967
2237	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F2A	1154	-1846	967
2238	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F3A	1154	-858	3216
2239	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F4A	1154	-858	3216
2240	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F1A	1154	-1846	967
2241	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F2A	1154	-858	3216
2242	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F1A	817	-1897	997
2243	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F2A	817	-867	3294
2244	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E2F1A	817	-867	3294
2245	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F1B	0	0	0
2246	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F2B	0	0	0
2247	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F3B	0	0	0
2248	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C1F4B	0	0	0
2249	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F1B	0	0	0
2250	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	C2F2B	0	0	0
2251	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F1B	0	0	0
2252	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E1F2B	0	0	0
2253	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	E2F1B	817	-1897	997
2254	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5S	0	-454	0
2255	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5X	0	-454	0
2256	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5XY	0	-454	0
2257	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd5Y	0	-454	0
2258	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CP	0	-519	0
2259	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CX	0	-519	0
2260	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CXY	0	-519	0
2261	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CY	0	-519	0
2262	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10S	0	-411	0
2263	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10X	0	-411	0
2264	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10XY	0	-411	0
2265	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd10Y	0	-411	0
2266	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1P	0	-136	0
2267	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1X	0	-136	0
2268	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1XY	0	-136	0
2269	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA2.1Y	0	-136	0
2270	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12S	0	-234	0
2271	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12X	0	-234	0
2272	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12XY	0	-234	0
2273	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	Sd12Y	0	-234	0
2274	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1P	0	-138	0
2275	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1X	0	-138	0
2276	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1XY	0	-138	0
2277	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	CA1.1Y	0	-138	0
2278	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DP	0	-177	0
2279	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DX	0	-177	0
2280	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DXY	0	-177	0
2281	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	DY	0	-177	0
2282	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2283	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F1A	2954	-1846	967
2284	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F2A	2954	-1846	967
2285	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F3A	2954	-858	3216
2286	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F4A	2954	-858	3216
2287	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F1A	2954	-1846	967
2288	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F2A	2954	-858	3216
2289	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F1A	2617	-1897	997
2290	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F2A	2617	-867	3294
2291	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E2F1A	2617	-867	3294
2292	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F1B	0	0	0
2293	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F2B	0	0	0
2294	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F3B	0	0	0
2295	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C1F4B	0	0	0
2296	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F1B	0	0	0
2297	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	C2F2B	0	0	0
2298	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F1B	0	0	0
2299	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E1F2B	0	0	0
2300	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	E2F1B	817	-1897	997
2301	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5S	0	-454	0
2302	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5X	0	-454	0
2303	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5XY	0	-454	0
2304	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd5Y	0	-454	0
2305	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CP	0	-519	0
2306	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CX	0	-519	0
2307	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CXY	0	-519	0
2308	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CY	0	-519	0
2309	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10S	0	-411	0
2310	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10X	0	-411	0
2311	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10XY	0	-411	0
2312	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd10Y	0	-411	0
2313	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1P	0	-136	0
2314	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1X	0	-136	0
2315	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1XY	0	-136	0
2316	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA2.1Y	0	-136	0
2317	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12S	0	-234	0
2318	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12X	0	-234	0
2319	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12XY	0	-234	0
2320	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	Sd12Y	0	-234	0
2321	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1P	0	-138	0
2322	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1X	0	-138	0
2323	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1XY	0	-138	0
2324	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	CA1.1Y	0	-138	0
2325	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DP	0	-177	0
2326	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DX	0	-177	0
2327	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DXY	0	-177	0
2328	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	DY	0	-177	0
2329	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	TopP	0	-111	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2330	LC74_SeLS_NL1a=Wind_Dir=0	C1F1A	669	-1318	641
2331	LC74_SeLS_NL1a=Wind_Dir=0	C1F2A	669	-1318	641
2332	LC74_SeLS_NL1a=Wind_Dir=0	C1F3A	669	-788	2230
2333	LC74_SeLS_NL1a=Wind_Dir=0	C1F4A	669	-788	2230
2334	LC74_SeLS_NL1a=Wind_Dir=0	C2F1A	669	-1318	641
2335	LC74_SeLS_NL1a=Wind_Dir=0	C2F2A	669	-788	2230
2336	LC74_SeLS_NL1a=Wind_Dir=0	E1F1A	473	-1332	660
2337	LC74_SeLS_NL1a=Wind_Dir=0	E1F2A	473	-750	2253
2338	LC74_SeLS_NL1a=Wind_Dir=0	E2F1A	473	-750	2253
2339	LC74_SeLS_NL1a=Wind_Dir=0	C1F1B	952	-8822	-9346
2340	LC74_SeLS_NL1a=Wind_Dir=0	C1F2B	952	-8822	-9346
2341	LC74_SeLS_NL1a=Wind_Dir=0	C1F3B	952	-8822	-9346
2342	LC74_SeLS_NL1a=Wind_Dir=0	C1F4B	952	-8822	-9346
2343	LC74_SeLS_NL1a=Wind_Dir=0	C2F1B	952	-8822	-9346
2344	LC74_SeLS_NL1a=Wind_Dir=0	C2F2B	952	-8822	-9346
2345	LC74_SeLS_NL1a=Wind_Dir=0	E1F1B	674	-7431	-7934
2346	LC74_SeLS_NL1a=Wind_Dir=0	E1F2B	674	-7431	-7934
2347	LC74_SeLS_NL1a=Wind_Dir=0	E2F1B	473	-1332	660
2348	LC74_SeLS_NL1a=Wind_Dir=0	Sd5S	0	-1893	0
2349	LC74_SeLS_NL1a=Wind_Dir=0	Sd5X	0	-1893	0
2350	LC74_SeLS_NL1a=Wind_Dir=0	Sd5XY	0	-1893	0
2351	LC74_SeLS_NL1a=Wind_Dir=0	Sd5Y	0	-1893	0
2352	LC74_SeLS_NL1a=Wind_Dir=0	CP	0	-2162	0
2353	LC74_SeLS_NL1a=Wind_Dir=0	CX	0	-2162	0
2354	LC74_SeLS_NL1a=Wind_Dir=0	CXY	0	-2162	0
2355	LC74_SeLS_NL1a=Wind_Dir=0	CY	0	-2162	0
2356	LC74_SeLS_NL1a=Wind_Dir=0	Sd10S	0	-1711	0
2357	LC74_SeLS_NL1a=Wind_Dir=0	Sd10X	0	-1711	0
2358	LC74_SeLS_NL1a=Wind_Dir=0	Sd10XY	0	-1711	0
2359	LC74_SeLS_NL1a=Wind_Dir=0	Sd10Y	0	-1711	0
2360	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1P	0	-565	0
2361	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1X	0	-565	0
2362	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1XY	0	-565	0
2363	LC74_SeLS_NL1a=Wind_Dir=0	CA2.1Y	0	-565	0
2364	LC74_SeLS_NL1a=Wind_Dir=0	Sd12S	0	-974	0
2365	LC74_SeLS_NL1a=Wind_Dir=0	Sd12X	0	-974	0
2366	LC74_SeLS_NL1a=Wind_Dir=0	Sd12XY	0	-974	0
2367	LC74_SeLS_NL1a=Wind_Dir=0	Sd12Y	0	-974	0
2368	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1P	0	-576	0
2369	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1X	0	-576	0
2370	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1XY	0	-576	0
2371	LC74_SeLS_NL1a=Wind_Dir=0	CA1.1Y	0	-576	0
2372	LC74_SeLS_NL1a=Wind_Dir=0	DP	0	-739	0
2373	LC74_SeLS_NL1a=Wind_Dir=0	DX	0	-739	0
2374	LC74_SeLS_NL1a=Wind_Dir=0	DXY	0	-739	0
2375	LC74_SeLS_NL1a=Wind_Dir=0	DY	0	-739	0
2376	LC74_SeLS_NL1a=Wind_Dir=0	TopP	0	-463	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2377	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F1A	1496	-2993	1553
2378	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F2A	1496	-2993	1553
2379	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F3A	1496	-1392	4984
2380	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F4A	1496	-1392	4984
2381	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F1A	1496	-2993	1553
2382	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F2A	1496	-1392	4984
2383	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F1A	1228	-3444	1796
2384	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F2A	1228	-1507	5490
2385	LC75_SeLS_NL3=Wind+Ice_Dir=0	E2F1A	1228	-1507	5490
2386	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F1B	2130	-15946	-19158
2387	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F2B	2130	-15946	-19158
2388	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F3B	2130	-15946	-19158
2389	LC75_SeLS_NL3=Wind+Ice_Dir=0	C1F4B	2130	-15946	-19158
2390	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F1B	2130	-15946	-19158
2391	LC75_SeLS_NL3=Wind+Ice_Dir=0	C2F2B	2130	-15946	-19158
2392	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F1B	1748	-14814	-17802
2393	LC75_SeLS_NL3=Wind+Ice_Dir=0	E1F2B	1748	-14814	-17802
2394	LC75_SeLS_NL3=Wind+Ice_Dir=0	E2F1B	1228	-3444	1796
2395	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5S	0	-568	0
2396	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5X	0	-568	0
2397	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5XY	0	-568	0
2398	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd5Y	0	-568	0
2399	LC75_SeLS_NL3=Wind+Ice_Dir=0	CP	0	-649	0
2400	LC75_SeLS_NL3=Wind+Ice_Dir=0	CX	0	-649	0
2401	LC75_SeLS_NL3=Wind+Ice_Dir=0	CXY	0	-649	0
2402	LC75_SeLS_NL3=Wind+Ice_Dir=0	CY	0	-649	0
2403	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10S	0	-513	0
2404	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10X	0	-513	0
2405	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10XY	0	-513	0
2406	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd10Y	0	-513	0
2407	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1P	0	-170	0
2408	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1X	0	-170	0
2409	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1XY	0	-170	0
2410	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA2.1Y	0	-170	0
2411	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12S	0	-292	0
2412	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12X	0	-292	0
2413	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12XY	0	-292	0
2414	LC75_SeLS_NL3=Wind+Ice_Dir=0	Sd12Y	0	-292	0
2415	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1P	0	-173	0
2416	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1X	0	-173	0
2417	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1XY	0	-173	0
2418	LC75_SeLS_NL3=Wind+Ice_Dir=0	CA1.1Y	0	-173	0
2419	LC75_SeLS_NL3=Wind+Ice_Dir=0	DP	0	-222	0
2420	LC75_SeLS_NL3=Wind+Ice_Dir=0	DX	0	-222	0
2421	LC75_SeLS_NL3=Wind+Ice_Dir=0	DXY	0	-222	0
2422	LC75_SeLS_NL3=Wind+Ice_Dir=0	DY	0	-222	0
2423	LC75_SeLS_NL3=Wind+Ice_Dir=0	TopP	0	-139	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2424	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F1A	669	-983	511
2425	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F2A	669	-983	511
2426	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F3A	669	-327	1125
2427	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F4A	669	-327	1125
2428	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F1A	669	-983	511
2429	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F2A	669	-327	1125
2430	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F1A	473	-1170	613
2431	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F2A	473	-405	1474
2432	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E2F1A	473	-405	1474
2433	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F1B	952	-8747	-10806
2434	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F2B	952	-8747	-10806
2435	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F3B	952	-8747	-10806
2436	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C1F4B	952	-8747	-10806
2437	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F1B	952	-8747	-10806
2438	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	C2F2B	952	-8747	-10806
2439	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F1B	674	-7445	-9214
2440	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E1F2B	674	-7445	-9214
2441	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	E2F1B	473	-1170	613
2442	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5S	0	-379	0
2443	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5X	0	-379	0
2444	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5XY	0	-379	0
2445	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd5Y	0	-379	0
2446	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CP	0	-432	0
2447	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CX	0	-432	0
2448	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CXY	0	-432	0
2449	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CY	0	-432	0
2450	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10S	0	-342	0
2451	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10X	0	-342	0
2452	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10XY	0	-342	0
2453	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd10Y	0	-342	0
2454	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1P	0	-113	0
2455	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1X	0	-113	0
2456	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1XY	0	-113	0
2457	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA2.1Y	0	-113	0
2458	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12S	0	-195	0
2459	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12X	0	-195	0
2460	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12XY	0	-195	0
2461	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	Sd12Y	0	-195	0
2462	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1P	0	-115	0
2463	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1X	0	-115	0
2464	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1XY	0	-115	0
2465	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	CA1.1Y	0	-115	0
2466	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DP	0	-148	0
2467	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DX	0	-148	0
2468	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DXY	0	-148	0
2469	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	DY	0	-148	0
2470	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	TopP	0	-93	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2471	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F1A	1003	-1605	841
2472	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F2A	1003	-1605	841
2473	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F3A	1003	-744	2797
2474	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F4A	1003	-744	2797
2475	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F1A	1003	-1605	841
2476	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F2A	1003	-744	2797
2477	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F1A	710	-1649	867
2478	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F2A	710	-752	2865
2479	LC77_SeLS_NL6a=Cons+Main_Dir=0	E2F1A	710	-752	2865
2480	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F1B	1428	-9766	-12111
2481	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F2B	1428	-9766	-12111
2482	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F3B	1428	-9766	-12111
2483	LC77_SeLS_NL6a=Cons+Main_Dir=0	C1F4B	1428	-9766	-12111
2484	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F1B	1428	-9766	-12111
2485	LC77_SeLS_NL6a=Cons+Main_Dir=0	C2F2B	1428	-9766	-12111
2486	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F1B	1011	-8266	-10265
2487	LC77_SeLS_NL6a=Cons+Main_Dir=0	E1F2B	1011	-8266	-10265
2488	LC77_SeLS_NL6a=Cons+Main_Dir=0	E2F1B	710	-1649	867
2489	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5S	0	-379	0
2490	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5X	0	-379	0
2491	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5XY	0	-379	0
2492	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd5Y	0	-379	0
2493	LC77_SeLS_NL6a=Cons+Main_Dir=0	CP	0	-432	0
2494	LC77_SeLS_NL6a=Cons+Main_Dir=0	CX	0	-432	0
2495	LC77_SeLS_NL6a=Cons+Main_Dir=0	CXY	0	-432	0
2496	LC77_SeLS_NL6a=Cons+Main_Dir=0	CY	0	-432	0
2497	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10S	0	-342	0
2498	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10X	0	-342	0
2499	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10XY	0	-342	0
2500	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd10Y	0	-342	0
2501	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1P	0	-113	0
2502	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1X	0	-113	0
2503	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1XY	0	-113	0
2504	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA2.1Y	0	-113	0
2505	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12S	0	-195	0
2506	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12X	0	-195	0
2507	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12XY	0	-195	0
2508	LC77_SeLS_NL6a=Cons+Main_Dir=0	Sd12Y	0	-195	0
2509	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1P	0	-115	0
2510	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1X	0	-115	0
2511	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1XY	0	-115	0
2512	LC77_SeLS_NL6a=Cons+Main_Dir=0	CA1.1Y	0	-115	0
2513	LC77_SeLS_NL6a=Cons+Main_Dir=0	DP	0	-148	0
2514	LC77_SeLS_NL6a=Cons+Main_Dir=0	DX	0	-148	0
2515	LC77_SeLS_NL6a=Cons+Main_Dir=0	DXY	0	-148	0
2516	LC77_SeLS_NL6a=Cons+Main_Dir=0	DY	0	-148	0
2517	LC77_SeLS_NL6a=Cons+Main_Dir=0	TopP	0	-93	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2518	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F1A	2503	-1605	841
2519	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F2A	2503	-1605	841
2520	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F3A	2503	-744	2797
2521	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F4A	2503	-744	2797
2522	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F1A	2503	-1605	841
2523	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F2A	2503	-744	2797
2524	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F1A	2210	-1649	867
2525	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F2A	2210	-752	2865
2526	LC78_SeLS_NL6b=Linesmen_Dir=0	E2F1A	2210	-752	2865
2527	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F1B	1428	-9766	-12111
2528	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F2B	1428	-9766	-12111
2529	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F3B	1428	-9766	-12111
2530	LC78_SeLS_NL6b=Linesmen_Dir=0	C1F4B	1428	-9766	-12111
2531	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F1B	1428	-9766	-12111
2532	LC78_SeLS_NL6b=Linesmen_Dir=0	C2F2B	1428	-9766	-12111
2533	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F1B	1011	-8266	-10265
2534	LC78_SeLS_NL6b=Linesmen_Dir=0	E1F2B	1011	-8266	-10265
2535	LC78_SeLS_NL6b=Linesmen_Dir=0	E2F1B	710	-1649	867
2536	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5S	0	-379	0
2537	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5X	0	-379	0
2538	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5XY	0	-379	0
2539	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd5Y	0	-379	0
2540	LC78_SeLS_NL6b=Linesmen_Dir=0	CP	0	-432	0
2541	LC78_SeLS_NL6b=Linesmen_Dir=0	CX	0	-432	0
2542	LC78_SeLS_NL6b=Linesmen_Dir=0	CXY	0	-432	0
2543	LC78_SeLS_NL6b=Linesmen_Dir=0	CY	0	-432	0
2544	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10S	0	-342	0
2545	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10X	0	-342	0
2546	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10XY	0	-342	0
2547	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd10Y	0	-342	0
2548	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1P	0	-113	0
2549	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1X	0	-113	0
2550	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1XY	0	-113	0
2551	LC78_SeLS_NL6b=Linesmen_Dir=0	CA2.1Y	0	-113	0
2552	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12S	0	-195	0
2553	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12X	0	-195	0
2554	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12XY	0	-195	0
2555	LC78_SeLS_NL6b=Linesmen_Dir=0	Sd12Y	0	-195	0
2556	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1P	0	-115	0
2557	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1X	0	-115	0
2558	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1XY	0	-115	0
2559	LC78_SeLS_NL6b=Linesmen_Dir=0	CA1.1Y	0	-115	0
2560	LC78_SeLS_NL6b=Linesmen_Dir=0	DP	0	-148	0
2561	LC78_SeLS_NL6b=Linesmen_Dir=0	DX	0	-148	0
2562	LC78_SeLS_NL6b=Linesmen_Dir=0	DXY	0	-148	0
2563	LC78_SeLS_NL6b=Linesmen_Dir=0	DY	0	-148	0
2564	LC78_SeLS_NL6b=Linesmen_Dir=0	TopP	0	-93	0

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2565	LC79_SeLS_NL7=Perm_Dir=NA	C1F1A	669	-880	468
2566	LC79_SeLS_NL7=Perm_Dir=NA	C1F2A	669	-880	468
2567	LC79_SeLS_NL7=Perm_Dir=NA	C1F3A	669	-241	968
2568	LC79_SeLS_NL7=Perm_Dir=NA	C1F4A	669	-241	968
2569	LC79_SeLS_NL7=Perm_Dir=NA	C2F1A	669	-880	468
2570	LC79_SeLS_NL7=Perm_Dir=NA	C2F2A	669	-241	968
2571	LC79_SeLS_NL7=Perm_Dir=NA	E1F1A	473	-863	459
2572	LC79_SeLS_NL7=Perm_Dir=NA	E1F2A	473	-240	963
2573	LC79_SeLS_NL7=Perm_Dir=NA	E2F1A	473	-240	963
2574	LC79_SeLS_NL7=Perm_Dir=NA	C1F1B	952	-4643	-5943
2575	LC79_SeLS_NL7=Perm_Dir=NA	C1F2B	952	-4643	-5943
2576	LC79_SeLS_NL7=Perm_Dir=NA	C1F3B	952	-4643	-5943
2577	LC79_SeLS_NL7=Perm_Dir=NA	C1F4B	952	-4643	-5943
2578	LC79_SeLS_NL7=Perm_Dir=NA	C2F1B	952	-4643	-5943
2579	LC79_SeLS_NL7=Perm_Dir=NA	C2F2B	952	-4643	-5943
2580	LC79_SeLS_NL7=Perm_Dir=NA	E1F1B	674	-3701	-4737
2581	LC79_SeLS_NL7=Perm_Dir=NA	E1F2B	674	-3701	-4737
2582	LC79_SeLS_NL7=Perm_Dir=NA	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2583	LC80_ULS_NL1a=Wind_Dir=38	C1F1A	769	-1065	555
2584	LC80_ULS_NL1a=Wind_Dir=38	C1F2A	769	-1065	555
2585	LC80_ULS_NL1a=Wind_Dir=38	C1F3A	769	-600	1883
2586	LC80_ULS_NL1a=Wind_Dir=38	C1F4A	769	-600	1883
2587	LC80_ULS_NL1a=Wind_Dir=38	C2F1A	769	-1065	555
2588	LC80_ULS_NL1a=Wind_Dir=38	C2F2A	769	-600	1883
2589	LC80_ULS_NL1a=Wind_Dir=38	E1F1A	544	-1050	549
2590	LC80_ULS_NL1a=Wind_Dir=38	E1F2A	544	-584	1917
2591	LC80_ULS_NL1a=Wind_Dir=38	E2F1A	544	-584	1917
2592	LC80_ULS_NL1a=Wind_Dir=38	C1F1B	1095	-14673	-14394
2593	LC80_ULS_NL1a=Wind_Dir=38	C1F2B	1095	-14673	-14394
2594	LC80_ULS_NL1a=Wind_Dir=38	C1F3B	1095	-14673	-14394
2595	LC80_ULS_NL1a=Wind_Dir=38	C1F4B	1095	-14673	-14394
2596	LC80_ULS_NL1a=Wind_Dir=38	C2F1B	1095	-14673	-14394
2597	LC80_ULS_NL1a=Wind_Dir=38	C2F2B	1095	-14673	-14394
2598	LC80_ULS_NL1a=Wind_Dir=38	E1F1B	775	-12337	-12236
2599	LC80_ULS_NL1a=Wind_Dir=38	E1F2B	775	-12337	-12236
2600	LC80_ULS_NL1a=Wind_Dir=38	E2F1B	544	-1050	549
2601	LC80_ULS_NL1a=Wind_Dir=38	Sd5S	0	-2481	1939
2602	LC80_ULS_NL1a=Wind_Dir=38	Sd5X	0	-2481	1939
2603	LC80_ULS_NL1a=Wind_Dir=38	Sd5XY	0	-2481	1939
2604	LC80_ULS_NL1a=Wind_Dir=38	Sd5Y	0	-2481	1939
2605	LC80_ULS_NL1a=Wind_Dir=38	CP	0	-2834	2214
2606	LC80_ULS_NL1a=Wind_Dir=38	CX	0	-2834	2214
2607	LC80_ULS_NL1a=Wind_Dir=38	CXY	0	-2834	2214
2608	LC80_ULS_NL1a=Wind_Dir=38	CY	0	-2834	2214
2609	LC80_ULS_NL1a=Wind_Dir=38	Sd10S	0	-1629	1273
2610	LC80_ULS_NL1a=Wind_Dir=38	Sd10X	0	-1629	1273
2611	LC80_ULS_NL1a=Wind_Dir=38	Sd10XY	0	-1629	1273
2612	LC80_ULS_NL1a=Wind_Dir=38	Sd10Y	0	-1629	1273
2613	LC80_ULS_NL1a=Wind_Dir=38	CA2.1P	0	-741	579
2614	LC80_ULS_NL1a=Wind_Dir=38	CA2.1X	0	-741	579
2615	LC80_ULS_NL1a=Wind_Dir=38	CA2.1XY	0	-741	579
2616	LC80_ULS_NL1a=Wind_Dir=38	CA2.1Y	0	-741	579
2617	LC80_ULS_NL1a=Wind_Dir=38	Sd12S	0	-947	740
2618	LC80_ULS_NL1a=Wind_Dir=38	Sd12X	0	-947	740
2619	LC80_ULS_NL1a=Wind_Dir=38	Sd12XY	0	-947	740
2620	LC80_ULS_NL1a=Wind_Dir=38	Sd12Y	0	-947	740
2621	LC80_ULS_NL1a=Wind_Dir=38	CA1.1P	0	-755	590
2622	LC80_ULS_NL1a=Wind_Dir=38	CA1.1X	0	-755	590
2623	LC80_ULS_NL1a=Wind_Dir=38	CA1.1XY	0	-755	590
2624	LC80_ULS_NL1a=Wind_Dir=38	CA1.1Y	0	-755	590
2625	LC80_ULS_NL1a=Wind_Dir=38	DP	0	-719	562
2626	LC80_ULS_NL1a=Wind_Dir=38	DX	0	-719	562
2627	LC80_ULS_NL1a=Wind_Dir=38	DXY	0	-719	562
2628	LC80_ULS_NL1a=Wind_Dir=38	DY	0	-719	562
2629	LC80_ULS_NL1a=Wind_Dir=38	TopP	0	-608	475

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2630	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F1A	1845	-2532	1339
2631	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F2A	1845	-2532	1339
2632	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F3A	1845	-1155	4295
2633	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F4A	1845	-1155	4295
2634	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F1A	1845	-2532	1339
2635	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F2A	1845	-1155	4295
2636	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F1A	1526	-3005	1591
2637	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F2A	1526	-1302	4908
2638	LC81_ULS_NL3=Wind+Ice_Dir=38	E2F1A	1526	-1302	4908
2639	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F1B	2626	-24270	-28241
2640	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F2B	2626	-24270	-28241
2641	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F3B	2626	-24270	-28241
2642	LC81_ULS_NL3=Wind+Ice_Dir=38	C1F4B	2626	-24270	-28241
2643	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F1B	2626	-24270	-28241
2644	LC81_ULS_NL3=Wind+Ice_Dir=38	C2F2B	2626	-24270	-28241
2645	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F1B	2172	-23065	-26909
2646	LC81_ULS_NL3=Wind+Ice_Dir=38	E1F2B	2172	-23065	-26909
2647	LC81_ULS_NL3=Wind+Ice_Dir=38	E2F1B	1526	-3005	1591
2648	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5S	0	-744	582
2649	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5X	0	-744	582
2650	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5XY	0	-744	582
2651	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd5Y	0	-744	582
2652	LC81_ULS_NL3=Wind+Ice_Dir=38	CP	0	-850	664
2653	LC81_ULS_NL3=Wind+Ice_Dir=38	CX	0	-850	664
2654	LC81_ULS_NL3=Wind+Ice_Dir=38	CXY	0	-850	664
2655	LC81_ULS_NL3=Wind+Ice_Dir=38	CY	0	-850	664
2656	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10S	0	-489	382
2657	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10X	0	-489	382
2658	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10XY	0	-489	382
2659	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd10Y	0	-489	382
2660	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1P	0	-222	174
2661	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1X	0	-222	174
2662	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1XY	0	-222	174
2663	LC81_ULS_NL3=Wind+Ice_Dir=38	CA2.1Y	0	-222	174
2664	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12S	0	-284	222
2665	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12X	0	-284	222
2666	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12XY	0	-284	222
2667	LC81_ULS_NL3=Wind+Ice_Dir=38	Sd12Y	0	-284	222
2668	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1P	0	-226	177
2669	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1X	0	-226	177
2670	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1XY	0	-226	177
2671	LC81_ULS_NL3=Wind+Ice_Dir=38	CA1.1Y	0	-226	177
2672	LC81_ULS_NL3=Wind+Ice_Dir=38	DP	0	-216	168
2673	LC81_ULS_NL3=Wind+Ice_Dir=38	DX	0	-216	168
2674	LC81_ULS_NL3=Wind+Ice_Dir=38	DXY	0	-216	168
2675	LC81_ULS_NL3=Wind+Ice_Dir=38	DY	0	-216	168
2676	LC81_ULS_NL3=Wind+Ice_Dir=38	TopP	0	-182	142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2677	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F1A	769	-1372	727
2678	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F2A	769	-1372	727
2679	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F3A	769	-597	2288
2680	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F4A	769	-597	2288
2681	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F1A	769	-1372	727
2682	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F2A	769	-597	2288
2683	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F1A	544	-1529	811
2684	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F2A	544	-704	2740
2685	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E2F1A	544	-704	2740
2686	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F1B	1095	-13892	-16904
2687	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F2B	1095	-13892	-16904
2688	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F3B	1095	-13892	-16904
2689	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C1F4B	1095	-13892	-16904
2690	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F1B	1095	-13892	-16904
2691	LC82_ULS_NL4=MinTemp+Wind_Dir=38	C2F2B	1095	-13892	-16904
2692	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F1B	775	-11766	-14349
2693	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E1F2B	775	-11766	-14349
2694	LC82_ULS_NL4=MinTemp+Wind_Dir=38	E2F1B	544	-1529	811
2695	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5S	0	-496	388
2696	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5X	0	-496	388
2697	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5XY	0	-496	388
2698	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd5Y	0	-496	388
2699	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CP	0	-567	443
2700	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CX	0	-567	443
2701	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CXY	0	-567	443
2702	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CY	0	-567	443
2703	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10S	0	-326	255
2704	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10X	0	-326	255
2705	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10XY	0	-326	255
2706	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd10Y	0	-326	255
2707	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1P	0	-148	116
2708	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1X	0	-148	116
2709	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1XY	0	-148	116
2710	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA2.1Y	0	-148	116
2711	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12S	0	-189	148
2712	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12X	0	-189	148
2713	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12XY	0	-189	148
2714	LC82_ULS_NL4=MinTemp+Wind_Dir=38	Sd12Y	0	-189	148
2715	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1P	0	-151	118
2716	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1X	0	-151	118
2717	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1XY	0	-151	118
2718	LC82_ULS_NL4=MinTemp+Wind_Dir=38	CA1.1Y	0	-151	118
2719	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DP	0	-144	112
2720	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DX	0	-144	112
2721	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DXY	0	-144	112
2722	LC82_ULS_NL4=MinTemp+Wind_Dir=38	DY	0	-144	112
2723	LC82_ULS_NL4=MinTemp+Wind_Dir=38	TopP	0	-122	95

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2724	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F1A	1154	-1314	696
2725	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F2A	1154	-1314	696
2726	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F3A	1154	-611	2347
2727	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F4A	1154	-611	2347
2728	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F1A	1154	-1314	696
2729	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F2A	1154	-611	2347
2730	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F1A	817	-1318	699
2731	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F2A	817	-628	2432
2732	LC83_ULS_NL6a=Cons+Main_Dir=38	E2F1A	817	-628	2432
2733	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F1B	1642	-15650	-19154
2734	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F2B	1642	-15650	-19154
2735	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F3B	1642	-15650	-19154
2736	LC83_ULS_NL6a=Cons+Main_Dir=38	C1F4B	1642	-15650	-19154
2737	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F1B	1642	-15650	-19154
2738	LC83_ULS_NL6a=Cons+Main_Dir=38	C2F2B	1642	-15650	-19154
2739	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F1B	1162	-13230	-16223
2740	LC83_ULS_NL6a=Cons+Main_Dir=38	E1F2B	1162	-13230	-16223
2741	LC83_ULS_NL6a=Cons+Main_Dir=38	E2F1B	817	-1318	699
2742	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5S	0	-496	388
2743	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5X	0	-496	388
2744	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5XY	0	-496	388
2745	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd5Y	0	-496	388
2746	LC83_ULS_NL6a=Cons+Main_Dir=38	CP	0	-567	443
2747	LC83_ULS_NL6a=Cons+Main_Dir=38	CX	0	-567	443
2748	LC83_ULS_NL6a=Cons+Main_Dir=38	CXY	0	-567	443
2749	LC83_ULS_NL6a=Cons+Main_Dir=38	CY	0	-567	443
2750	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10S	0	-326	255
2751	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10X	0	-326	255
2752	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10XY	0	-326	255
2753	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd10Y	0	-326	255
2754	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1P	0	-148	116
2755	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1X	0	-148	116
2756	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1XY	0	-148	116
2757	LC83_ULS_NL6a=Cons+Main_Dir=38	CA2.1Y	0	-148	116
2758	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12S	0	-189	148
2759	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12X	0	-189	148
2760	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12XY	0	-189	148
2761	LC83_ULS_NL6a=Cons+Main_Dir=38	Sd12Y	0	-189	148
2762	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1P	0	-151	118
2763	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1X	0	-151	118
2764	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1XY	0	-151	118
2765	LC83_ULS_NL6a=Cons+Main_Dir=38	CA1.1Y	0	-151	118
2766	LC83_ULS_NL6a=Cons+Main_Dir=38	DP	0	-144	112
2767	LC83_ULS_NL6a=Cons+Main_Dir=38	DX	0	-144	112
2768	LC83_ULS_NL6a=Cons+Main_Dir=38	DXY	0	-144	112
2769	LC83_ULS_NL6a=Cons+Main_Dir=38	DY	0	-144	112
2770	LC83_ULS_NL6a=Cons+Main_Dir=38	TopP	0	-122	95

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2771	LC84_ULS_NL6b=Linesmen_Dir=38	C1F1A	3104	-1314	696
2772	LC84_ULS_NL6b=Linesmen_Dir=38	C1F2A	3104	-1314	696
2773	LC84_ULS_NL6b=Linesmen_Dir=38	C1F3A	3104	-611	2347
2774	LC84_ULS_NL6b=Linesmen_Dir=38	C1F4A	3104	-611	2347
2775	LC84_ULS_NL6b=Linesmen_Dir=38	C2F1A	3104	-1314	696
2776	LC84_ULS_NL6b=Linesmen_Dir=38	C2F2A	3104	-611	2347
2777	LC84_ULS_NL6b=Linesmen_Dir=38	E1F1A	2767	-1318	699
2778	LC84_ULS_NL6b=Linesmen_Dir=38	E1F2A	2767	-628	2432
2779	LC84_ULS_NL6b=Linesmen_Dir=38	E2F1A	2767	-628	2432
2780	LC84_ULS_NL6b=Linesmen_Dir=38	C1F1B	1642	-15650	-19154
2781	LC84_ULS_NL6b=Linesmen_Dir=38	C1F2B	1642	-15650	-19154
2782	LC84_ULS_NL6b=Linesmen_Dir=38	C1F3B	1642	-15650	-19154
2783	LC84_ULS_NL6b=Linesmen_Dir=38	C1F4B	1642	-15650	-19154
2784	LC84_ULS_NL6b=Linesmen_Dir=38	C2F1B	1642	-15650	-19154
2785	LC84_ULS_NL6b=Linesmen_Dir=38	C2F2B	1642	-15650	-19154
2786	LC84_ULS_NL6b=Linesmen_Dir=38	E1F1B	1162	-13230	-16223
2787	LC84_ULS_NL6b=Linesmen_Dir=38	E1F2B	1162	-13230	-16223
2788	LC84_ULS_NL6b=Linesmen_Dir=38	E2F1B	817	-1318	699
2789	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5S	0	-496	388
2790	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5X	0	-496	388
2791	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5XY	0	-496	388
2792	LC84_ULS_NL6b=Linesmen_Dir=38	Sd5Y	0	-496	388
2793	LC84_ULS_NL6b=Linesmen_Dir=38	CP	0	-567	443
2794	LC84_ULS_NL6b=Linesmen_Dir=38	CX	0	-567	443
2795	LC84_ULS_NL6b=Linesmen_Dir=38	CXY	0	-567	443
2796	LC84_ULS_NL6b=Linesmen_Dir=38	CY	0	-567	443
2797	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10S	0	-326	255
2798	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10X	0	-326	255
2799	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10XY	0	-326	255
2800	LC84_ULS_NL6b=Linesmen_Dir=38	Sd10Y	0	-326	255
2801	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1P	0	-148	116
2802	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1X	0	-148	116
2803	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1XY	0	-148	116
2804	LC84_ULS_NL6b=Linesmen_Dir=38	CA2.1Y	0	-148	116
2805	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12S	0	-189	148
2806	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12X	0	-189	148
2807	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12XY	0	-189	148
2808	LC84_ULS_NL6b=Linesmen_Dir=38	Sd12Y	0	-189	148
2809	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1P	0	-151	118
2810	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1X	0	-151	118
2811	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1XY	0	-151	118
2812	LC84_ULS_NL6b=Linesmen_Dir=38	CA1.1Y	0	-151	118
2813	LC84_ULS_NL6b=Linesmen_Dir=38	DP	0	-144	112
2814	LC84_ULS_NL6b=Linesmen_Dir=38	DX	0	-144	112
2815	LC84_ULS_NL6b=Linesmen_Dir=38	DXY	0	-144	112
2816	LC84_ULS_NL6b=Linesmen_Dir=38	DY	0	-144	112
2817	LC84_ULS_NL6b=Linesmen_Dir=38	TopP	0	-122	95

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2818	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F1A	0	0	0
2819	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F2A	0	0	0
2820	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F3A	769	-546	1896
2821	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F4A	769	-546	1896
2822	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F1A	0	0	0
2823	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F2A	769	-546	1896
2824	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F1A	0	0	0
2825	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F2A	544	-540	1928
2826	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E2F1A	544	-540	1928
2827	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F1B	1095	-13730	-15131
2828	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F2B	1095	-13730	-15131
2829	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F3B	1095	-13730	-15131
2830	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C1F4B	1095	-13730	-15131
2831	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F1B	1095	-13730	-15131
2832	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	C2F2B	1095	-13730	-15131
2833	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F1B	775	-11573	-12832
2834	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E1F2B	775	-11573	-12832
2835	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	E2F1B	0	0	0
2836	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5S	0	-1383	1080
2837	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5X	0	-1383	1080
2838	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5XY	0	-1383	1080
2839	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd5Y	0	-1383	1080
2840	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CP	0	-1579	1234
2841	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CX	0	-1579	1234
2842	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CXY	0	-1579	1234
2843	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CY	0	-1579	1234
2844	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10S	0	-908	709
2845	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10X	0	-908	709
2846	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10XY	0	-908	709
2847	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd10Y	0	-908	709
2848	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1P	0	-413	323
2849	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1X	0	-413	323
2850	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1XY	0	-413	323
2851	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA2.1Y	0	-413	323
2852	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12S	0	-527	412
2853	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12X	0	-527	412
2854	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12XY	0	-527	412
2855	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	Sd12Y	0	-527	412
2856	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1P	0	-421	329
2857	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1X	0	-421	329
2858	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1XY	0	-421	329
2859	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	CA1.1Y	0	-421	329
2860	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DP	0	-400	313
2861	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DX	0	-400	313
2862	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DXY	0	-400	313
2863	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	DY	0	-400	313
2864	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2865	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F1A	0	0	0
2866	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F2A	0	0	0
2867	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F3A	1051	-1144	4298
2868	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F4A	1051	-1144	4298
2869	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F1A	0	0	0
2870	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F2A	1051	-1144	4298
2871	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F1A	0	0	0
2872	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F2A	801	-1291	4911
2873	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E2F1A	801	-1291	4911
2874	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F1B	1495	-24075	-28394
2875	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F2B	1495	-24075	-28394
2876	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F3B	1495	-24075	-28394
2877	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C1F4B	1495	-24075	-28394
2878	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F1B	1495	-24075	-28394
2879	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	C2F2B	1495	-24075	-28394
2880	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F1B	1140	-22884	-27050
2881	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E1F2B	1140	-22884	-27050
2882	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	E2F1B	0	0	0
2883	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5S	0	-638	499
2884	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5X	0	-638	499
2885	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5XY	0	-638	499
2886	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd5Y	0	-638	499
2887	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CP	0	-729	569
2888	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CX	0	-729	569
2889	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CXY	0	-729	569
2890	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CY	0	-729	569
2891	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10S	0	-419	327
2892	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10X	0	-419	327
2893	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10XY	0	-419	327
2894	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd10Y	0	-419	327
2895	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1P	0	-191	149
2896	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1X	0	-191	149
2897	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1XY	0	-191	149
2898	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA2.1Y	0	-191	149
2899	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12S	0	-243	190
2900	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12X	0	-243	190
2901	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12XY	0	-243	190
2902	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	Sd12Y	0	-243	190
2903	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1P	0	-194	152
2904	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1X	0	-194	152
2905	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1XY	0	-194	152
2906	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	CA1.1Y	0	-194	152
2907	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DP	0	-185	144
2908	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DX	0	-185	144
2909	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DXY	0	-185	144
2910	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	DY	0	-185	144
2911	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2912	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F1A	0	0	0
2913	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F2A	0	0	0
2914	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F3A	769	-593	2289
2915	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F4A	769	-593	2289
2916	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F1A	0	0	0
2917	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F2A	769	-593	2289
2918	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F1A	0	0	0
2919	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F2A	544	-701	2740
2920	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E2F1A	544	-701	2740
2921	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F1B	1095	-13831	-16952
2922	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F2B	1095	-13831	-16952
2923	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F3B	1095	-13831	-16952
2924	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C1F4B	1095	-13831	-16952
2925	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F1B	1095	-13831	-16952
2926	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	C2F2B	1095	-13831	-16952
2927	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F1B	775	-11717	-14388
2928	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E1F2B	775	-11717	-14388
2929	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	E2F1B	0	0	0
2930	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5S	0	-425	332
2931	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5X	0	-425	332
2932	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5XY	0	-425	332
2933	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd5Y	0	-425	332
2934	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CP	0	-486	380
2935	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CX	0	-486	380
2936	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CXY	0	-486	380
2937	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CY	0	-486	380
2938	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10S	0	-279	218
2939	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10X	0	-279	218
2940	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10XY	0	-279	218
2941	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd10Y	0	-279	218
2942	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1P	0	-127	99
2943	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1X	0	-127	99
2944	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1XY	0	-127	99
2945	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA2.1Y	0	-127	99
2946	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12S	0	-162	127
2947	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12X	0	-162	127
2948	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12XY	0	-162	127
2949	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	Sd12Y	0	-162	127
2950	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1P	0	-129	101
2951	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1X	0	-129	101
2952	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1XY	0	-129	101
2953	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	CA1.1Y	0	-129	101
2954	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DP	0	-123	96
2955	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DX	0	-123	96
2956	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DXY	0	-123	96
2957	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	DY	0	-123	96
2958	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
2959	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F1A	0	0	0
2960	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F2A	0	0	0
2961	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F3A	1154	-608	2348
2962	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F4A	1154	-608	2348
2963	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F1A	0	0	0
2964	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F2A	1154	-608	2348
2965	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F1A	0	0	0
2966	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F2A	817	-625	2432
2967	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E2F1A	817	-625	2432
2968	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F1B	1642	-15589	-19201
2969	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F2B	1642	-15589	-19201
2970	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F3B	1642	-15589	-19201
2971	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C1F4B	1642	-15589	-19201
2972	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F1B	1642	-15589	-19201
2973	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	C2F2B	1642	-15589	-19201
2974	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F1B	1162	-13181	-16261
2975	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E1F2B	1162	-13181	-16261
2976	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	E2F1B	0	0	0
2977	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5S	0	-425	332
2978	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5X	0	-425	332
2979	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5XY	0	-425	332
2980	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd5Y	0	-425	332
2981	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CP	0	-486	380
2982	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CX	0	-486	380
2983	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CXY	0	-486	380
2984	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CY	0	-486	380
2985	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10S	0	-279	218
2986	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10X	0	-279	218
2987	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10XY	0	-279	218
2988	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd10Y	0	-279	218
2989	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1P	0	-127	99
2990	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1X	0	-127	99
2991	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1XY	0	-127	99
2992	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA2.1Y	0	-127	99
2993	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12S	0	-162	127
2994	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12X	0	-162	127
2995	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12XY	0	-162	127
2996	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	Sd12Y	0	-162	127
2997	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1P	0	-129	101
2998	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1X	0	-129	101
2999	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1XY	0	-129	101
3000	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	CA1.1Y	0	-129	101
3001	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DP	0	-123	96
3002	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DX	0	-123	96
3003	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DXY	0	-123	96
3004	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	DY	0	-123	96
3005	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3006	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F1A	1800	0	0
3007	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F2A	1800	0	0
3008	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F3A	2954	-608	2348
3009	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F4A	2954	-608	2348
3010	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F1A	1800	0	0
3011	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F2A	2954	-608	2348
3012	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F1A	1800	0	0
3013	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F2A	2617	-625	2432
3014	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E2F1A	2617	-625	2432
3015	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F1B	1642	-15589	-19201
3016	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F2B	1642	-15589	-19201
3017	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F3B	1642	-15589	-19201
3018	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C1F4B	1642	-15589	-19201
3019	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F1B	1642	-15589	-19201
3020	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	C2F2B	1642	-15589	-19201
3021	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F1B	1162	-13181	-16261
3022	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E1F2B	1162	-13181	-16261
3023	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	E2F1B	0	0	0
3024	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5S	0	-425	332
3025	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5X	0	-425	332
3026	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5XY	0	-425	332
3027	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd5Y	0	-425	332
3028	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CP	0	-486	380
3029	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CX	0	-486	380
3030	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CXY	0	-486	380
3031	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CY	0	-486	380
3032	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10S	0	-279	218
3033	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10X	0	-279	218
3034	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10XY	0	-279	218
3035	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd10Y	0	-279	218
3036	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1P	0	-127	99
3037	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1X	0	-127	99
3038	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1XY	0	-127	99
3039	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA2.1Y	0	-127	99
3040	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12S	0	-162	127
3041	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12X	0	-162	127
3042	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12XY	0	-162	127
3043	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	Sd12Y	0	-162	127
3044	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1P	0	-129	101
3045	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1X	0	-129	101
3046	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1XY	0	-129	101
3047	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	CA1.1Y	0	-129	101
3048	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DP	0	-123	96
3049	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DX	0	-123	96
3050	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DXY	0	-123	96
3051	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	DY	0	-123	96
3052	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3053	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F1A	769	-1063	559
3054	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F2A	769	-1063	559
3055	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F3A	0	0	0
3056	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F4A	0	0	0
3057	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F1A	769	-1063	559
3058	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F2A	0	0	0
3059	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F1A	544	-1049	552
3060	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F2A	0	0	0
3061	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E2F1A	0	0	0
3062	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F1B	1095	-13730	-15131
3063	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F2B	1095	-13730	-15131
3064	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F3B	1095	-13730	-15131
3065	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C1F4B	1095	-13730	-15131
3066	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F1B	1095	-13730	-15131
3067	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	C2F2B	1095	-13730	-15131
3068	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F1B	775	-11573	-12832
3069	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E1F2B	775	-11573	-12832
3070	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	E2F1B	544	-1049	552
3071	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5S	0	-1383	1080
3072	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5X	0	-1383	1080
3073	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5XY	0	-1383	1080
3074	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd5Y	0	-1383	1080
3075	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CP	0	-1579	1234
3076	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CX	0	-1579	1234
3077	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CXY	0	-1579	1234
3078	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CY	0	-1579	1234
3079	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10S	0	-908	709
3080	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10X	0	-908	709
3081	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10XY	0	-908	709
3082	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd10Y	0	-908	709
3083	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1P	0	-413	323
3084	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1X	0	-413	323
3085	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1XY	0	-413	323
3086	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA2.1Y	0	-413	323
3087	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12S	0	-527	412
3088	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12X	0	-527	412
3089	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12XY	0	-527	412
3090	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	Sd12Y	0	-527	412
3091	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1P	0	-421	329
3092	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1X	0	-421	329
3093	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1XY	0	-421	329
3094	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	CA1.1Y	0	-421	329
3095	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DP	0	-400	313
3096	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DX	0	-400	313
3097	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DXY	0	-400	313
3098	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	DY	0	-400	313
3099	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3100	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F1A	1051	-2531	1340
3101	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F2A	1051	-2531	1340
3102	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F3A	0	0	0
3103	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F4A	0	0	0
3104	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F1A	1051	-2531	1340
3105	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F2A	0	0	0
3106	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F1A	801	-3005	1592
3107	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F2A	0	0	0
3108	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E2F1A	0	0	0
3109	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F1B	1495	-24075	-28394
3110	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F2B	1495	-24075	-28394
3111	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F3B	1495	-24075	-28394
3112	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C1F4B	1495	-24075	-28394
3113	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F1B	1495	-24075	-28394
3114	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	C2F2B	1495	-24075	-28394
3115	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F1B	1140	-22884	-27050
3116	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E1F2B	1140	-22884	-27050
3117	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	E2F1B	801	-3005	1592
3118	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5S	0	-638	499
3119	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5X	0	-638	499
3120	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5XY	0	-638	499
3121	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd5Y	0	-638	499
3122	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CP	0	-729	569
3123	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CX	0	-729	569
3124	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CXY	0	-729	569
3125	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CY	0	-729	569
3126	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10S	0	-419	327
3127	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10X	0	-419	327
3128	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10XY	0	-419	327
3129	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd10Y	0	-419	327
3130	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1P	0	-191	149
3131	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1X	0	-191	149
3132	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1XY	0	-191	149
3133	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA2.1Y	0	-191	149
3134	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12S	0	-243	190
3135	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12X	0	-243	190
3136	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12XY	0	-243	190
3137	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	Sd12Y	0	-243	190
3138	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1P	0	-194	152
3139	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1X	0	-194	152
3140	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1XY	0	-194	152
3141	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	CA1.1Y	0	-194	152
3142	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DP	0	-185	144
3143	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DX	0	-185	144
3144	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DXY	0	-185	144
3145	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	DY	0	-185	144
3146	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3147	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F1A	769	-1372	727
3148	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F2A	769	-1372	727
3149	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F3A	0	0	0
3150	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F4A	0	0	0
3151	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F1A	769	-1372	727
3152	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F2A	0	0	0
3153	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F1A	544	-1529	811
3154	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F2A	0	0	0
3155	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E2F1A	0	0	0
3156	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F1B	1095	-13831	-16952
3157	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F2B	1095	-13831	-16952
3158	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F3B	1095	-13831	-16952
3159	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C1F4B	1095	-13831	-16952
3160	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F1B	1095	-13831	-16952
3161	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	C2F2B	1095	-13831	-16952
3162	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F1B	775	-11717	-14388
3163	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E1F2B	775	-11717	-14388
3164	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	E2F1B	544	-1529	811
3165	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5S	0	-425	332
3166	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5X	0	-425	332
3167	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5XY	0	-425	332
3168	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd5Y	0	-425	332
3169	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CP	0	-486	380
3170	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CX	0	-486	380
3171	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CXY	0	-486	380
3172	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CY	0	-486	380
3173	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10S	0	-279	218
3174	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10X	0	-279	218
3175	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10XY	0	-279	218
3176	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd10Y	0	-279	218
3177	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1P	0	-127	99
3178	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1X	0	-127	99
3179	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1XY	0	-127	99
3180	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA2.1Y	0	-127	99
3181	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12S	0	-162	127
3182	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12X	0	-162	127
3183	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12XY	0	-162	127
3184	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	Sd12Y	0	-162	127
3185	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1P	0	-129	101
3186	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1X	0	-129	101
3187	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1XY	0	-129	101
3188	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	CA1.1Y	0	-129	101
3189	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DP	0	-123	96
3190	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DX	0	-123	96
3191	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DXY	0	-123	96
3192	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	DY	0	-123	96
3193	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3194	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F1A	1154	-1313	696
3195	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F2A	1154	-1313	696
3196	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F3A	0	0	0
3197	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F4A	0	0	0
3198	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F1A	1154	-1313	696
3199	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F2A	0	0	0
3200	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F1A	817	-1317	699
3201	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F2A	0	0	0
3202	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E2F1A	0	0	0
3203	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F1B	1642	-15589	-19201
3204	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F2B	1642	-15589	-19201
3205	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F3B	1642	-15589	-19201
3206	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C1F4B	1642	-15589	-19201
3207	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F1B	1642	-15589	-19201
3208	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	C2F2B	1642	-15589	-19201
3209	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F1B	1162	-13181	-16261
3210	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E1F2B	1162	-13181	-16261
3211	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	E2F1B	817	-1317	699
3212	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5S	0	-425	332
3213	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5X	0	-425	332
3214	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5XY	0	-425	332
3215	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd5Y	0	-425	332
3216	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CP	0	-486	380
3217	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CX	0	-486	380
3218	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CXY	0	-486	380
3219	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CY	0	-486	380
3220	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10S	0	-279	218
3221	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10X	0	-279	218
3222	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10XY	0	-279	218
3223	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd10Y	0	-279	218
3224	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1P	0	-127	99
3225	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1X	0	-127	99
3226	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1XY	0	-127	99
3227	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA2.1Y	0	-127	99
3228	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12S	0	-162	127
3229	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12X	0	-162	127
3230	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12XY	0	-162	127
3231	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	Sd12Y	0	-162	127
3232	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1P	0	-129	101
3233	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1X	0	-129	101
3234	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1XY	0	-129	101
3235	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	CA1.1Y	0	-129	101
3236	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DP	0	-123	96
3237	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DX	0	-123	96
3238	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DXY	0	-123	96
3239	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	DY	0	-123	96
3240	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3241	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F1A	2954	-1313	696
3242	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F2A	2954	-1313	696
3243	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F3A	1800	0	0
3244	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F4A	1800	0	0
3245	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F1A	2954	-1313	696
3246	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F2A	1800	0	0
3247	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F1A	2617	-1317	699
3248	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F2A	1800	0	0
3249	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E2F1A	1800	0	0
3250	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F1B	1642	-15589	-19201
3251	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F2B	1642	-15589	-19201
3252	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F3B	1642	-15589	-19201
3253	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C1F4B	1642	-15589	-19201
3254	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F1B	1642	-15589	-19201
3255	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	C2F2B	1642	-15589	-19201
3256	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F1B	1162	-13181	-16261
3257	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E1F2B	1162	-13181	-16261
3258	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	E2F1B	817	-1317	699
3259	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5S	0	-425	332
3260	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5X	0	-425	332
3261	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5XY	0	-425	332
3262	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd5Y	0	-425	332
3263	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CP	0	-486	380
3264	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CX	0	-486	380
3265	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CXY	0	-486	380
3266	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CY	0	-486	380
3267	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10S	0	-279	218
3268	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10X	0	-279	218
3269	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10XY	0	-279	218
3270	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd10Y	0	-279	218
3271	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1P	0	-127	99
3272	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1X	0	-127	99
3273	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1XY	0	-127	99
3274	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA2.1Y	0	-127	99
3275	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12S	0	-162	127
3276	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12X	0	-162	127
3277	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12XY	0	-162	127
3278	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	Sd12Y	0	-162	127
3279	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1P	0	-129	101
3280	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1X	0	-129	101
3281	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1XY	0	-129	101
3282	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	CA1.1Y	0	-129	101
3283	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DP	0	-123	96
3284	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DX	0	-123	96
3285	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DXY	0	-123	96
3286	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	DY	0	-123	96
3287	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3288	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F1A	769	-1063	559
3289	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F2A	769	-1063	559
3290	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F3A	769	-546	1896
3291	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F4A	769	-546	1896
3292	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F1A	769	-1063	559
3293	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F2A	769	-546	1896
3294	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F1A	544	-1049	552
3295	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F2A	544	-540	1928
3296	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E2F1A	544	-540	1928
3297	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F1B	0	0	0
3298	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F2B	0	0	0
3299	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F3B	1095	-13730	-15131
3300	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C1F4B	1095	-13730	-15131
3301	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F1B	0	0	0
3302	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	C2F2B	1095	-13730	-15131
3303	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F1B	0	0	0
3304	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E1F2B	775	-11573	-12832
3305	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	E2F1B	544	-1049	552
3306	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5S	0	-1383	1080
3307	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5X	0	-1383	1080
3308	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5XY	0	-1383	1080
3309	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd5Y	0	-1383	1080
3310	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CP	0	-1579	1234
3311	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CX	0	-1579	1234
3312	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CXY	0	-1579	1234
3313	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CY	0	-1579	1234
3314	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10S	0	-908	709
3315	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10X	0	-908	709
3316	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10XY	0	-908	709
3317	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd10Y	0	-908	709
3318	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1P	0	-413	323
3319	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1X	0	-413	323
3320	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1XY	0	-413	323
3321	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA2.1Y	0	-413	323
3322	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12S	0	-527	412
3323	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12X	0	-527	412
3324	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12XY	0	-527	412
3325	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	Sd12Y	0	-527	412
3326	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1P	0	-421	329
3327	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1X	0	-421	329
3328	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1XY	0	-421	329
3329	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	CA1.1Y	0	-421	329
3330	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DP	0	-400	313
3331	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DX	0	-400	313
3332	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DXY	0	-400	313
3333	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	DY	0	-400	313
3334	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3335	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F1A	1051	-2531	1340
3336	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F2A	1051	-2531	1340
3337	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F3A	1051	-1144	4298
3338	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F4A	1051	-1144	4298
3339	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F1A	1051	-2531	1340
3340	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F2A	1051	-1144	4298
3341	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F1A	801	-3005	1592
3342	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F2A	801	-1291	4911
3343	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E2F1A	801	-1291	4911
3344	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F1B	0	0	0
3345	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F2B	0	0	0
3346	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F3B	1495	-24075	-28394
3347	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C1F4B	1495	-24075	-28394
3348	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F1B	0	0	0
3349	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	C2F2B	1495	-24075	-28394
3350	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F1B	0	0	0
3351	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E1F2B	1140	-22884	-27050
3352	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	E2F1B	801	-3005	1592
3353	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5S	0	-638	499
3354	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5X	0	-638	499
3355	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5XY	0	-638	499
3356	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd5Y	0	-638	499
3357	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CP	0	-729	569
3358	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CX	0	-729	569
3359	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CXY	0	-729	569
3360	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CY	0	-729	569
3361	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10S	0	-419	327
3362	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10X	0	-419	327
3363	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10XY	0	-419	327
3364	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd10Y	0	-419	327
3365	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1P	0	-191	149
3366	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1X	0	-191	149
3367	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1XY	0	-191	149
3368	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA2.1Y	0	-191	149
3369	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12S	0	-243	190
3370	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12X	0	-243	190
3371	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12XY	0	-243	190
3372	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	Sd12Y	0	-243	190
3373	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1P	0	-194	152
3374	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1X	0	-194	152
3375	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1XY	0	-194	152
3376	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	CA1.1Y	0	-194	152
3377	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DP	0	-185	144
3378	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DX	0	-185	144
3379	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DXY	0	-185	144
3380	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	DY	0	-185	144
3381	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3382	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F1A	769	-1372	727
3383	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F2A	769	-1372	727
3384	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F3A	769	-593	2289
3385	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F4A	769	-593	2289
3386	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F1A	769	-1372	727
3387	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F2A	769	-593	2289
3388	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F1A	544	-1529	811
3389	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F2A	544	-701	2740
3390	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E2F1A	544	-701	2740
3391	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F1B	0	0	0
3392	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F2B	0	0	0
3393	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F3B	1095	-13831	-16952
3394	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C1F4B	1095	-13831	-16952
3395	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F1B	0	0	0
3396	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	C2F2B	1095	-13831	-16952
3397	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F1B	0	0	0
3398	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E1F2B	775	-11717	-14388
3399	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	E2F1B	544	-1529	811
3400	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5S	0	-425	332
3401	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5X	0	-425	332
3402	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5XY	0	-425	332
3403	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd5Y	0	-425	332
3404	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CP	0	-486	380
3405	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CX	0	-486	380
3406	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CXY	0	-486	380
3407	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CY	0	-486	380
3408	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10S	0	-279	218
3409	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10X	0	-279	218
3410	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10XY	0	-279	218
3411	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd10Y	0	-279	218
3412	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1P	0	-127	99
3413	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1X	0	-127	99
3414	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1XY	0	-127	99
3415	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA2.1Y	0	-127	99
3416	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12S	0	-162	127
3417	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12X	0	-162	127
3418	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12XY	0	-162	127
3419	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	Sd12Y	0	-162	127
3420	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1P	0	-129	101
3421	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1X	0	-129	101
3422	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1XY	0	-129	101
3423	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	CA1.1Y	0	-129	101
3424	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DP	0	-123	96
3425	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DX	0	-123	96
3426	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DXY	0	-123	96
3427	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	DY	0	-123	96
3428	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3429	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F1A	1154	-1313	696
3430	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F2A	1154	-1313	696
3431	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F3A	1154	-608	2348
3432	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F4A	1154	-608	2348
3433	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F1A	1154	-1313	696
3434	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F2A	1154	-608	2348
3435	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F1A	817	-1317	699
3436	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F2A	817	-625	2432
3437	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E2F1A	817	-625	2432
3438	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F1B	0	0	0
3439	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F2B	0	0	0
3440	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F3B	1642	-15589	-19201
3441	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C1F4B	1642	-15589	-19201
3442	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F1B	0	0	0
3443	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	C2F2B	1642	-15589	-19201
3444	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F1B	0	0	0
3445	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E1F2B	1162	-13181	-16261
3446	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	E2F1B	817	-1317	699
3447	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5S	0	-425	332
3448	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5X	0	-425	332
3449	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5XY	0	-425	332
3450	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd5Y	0	-425	332
3451	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CP	0	-486	380
3452	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CX	0	-486	380
3453	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CXY	0	-486	380
3454	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CY	0	-486	380
3455	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10S	0	-279	218
3456	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10X	0	-279	218
3457	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10XY	0	-279	218
3458	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd10Y	0	-279	218
3459	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1P	0	-127	99
3460	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1X	0	-127	99
3461	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1XY	0	-127	99
3462	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA2.1Y	0	-127	99
3463	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12S	0	-162	127
3464	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12X	0	-162	127
3465	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12XY	0	-162	127
3466	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	Sd12Y	0	-162	127
3467	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1P	0	-129	101
3468	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1X	0	-129	101
3469	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1XY	0	-129	101
3470	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	CA1.1Y	0	-129	101
3471	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DP	0	-123	96
3472	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DX	0	-123	96
3473	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DXY	0	-123	96
3474	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	DY	0	-123	96
3475	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3476	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F1A	2954	-1313	696
3477	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F2A	2954	-1313	696
3478	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F3A	2954	-608	2348
3479	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F4A	2954	-608	2348
3480	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F1A	2954	-1313	696
3481	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F2A	2954	-608	2348
3482	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F1A	2617	-1317	699
3483	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F2A	2617	-625	2432
3484	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E2F1A	2617	-625	2432
3485	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F1B	0	0	0
3486	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F2B	0	0	0
3487	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F3B	1642	-15589	-19201
3488	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C1F4B	1642	-15589	-19201
3489	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F1B	0	0	0
3490	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	C2F2B	1642	-15589	-19201
3491	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F1B	0	0	0
3492	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E1F2B	1162	-13181	-16261
3493	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	E2F1B	817	-1317	699
3494	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5S	0	-425	332
3495	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5X	0	-425	332
3496	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5XY	0	-425	332
3497	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd5Y	0	-425	332
3498	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CP	0	-486	380
3499	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CX	0	-486	380
3500	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CXY	0	-486	380
3501	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CY	0	-486	380
3502	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10S	0	-279	218
3503	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10X	0	-279	218
3504	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10XY	0	-279	218
3505	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd10Y	0	-279	218
3506	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1P	0	-127	99
3507	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1X	0	-127	99
3508	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1XY	0	-127	99
3509	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA2.1Y	0	-127	99
3510	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12S	0	-162	127
3511	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12X	0	-162	127
3512	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12XY	0	-162	127
3513	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	Sd12Y	0	-162	127
3514	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1P	0	-129	101
3515	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1X	0	-129	101
3516	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1XY	0	-129	101
3517	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	CA1.1Y	0	-129	101
3518	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DP	0	-123	96
3519	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DX	0	-123	96
3520	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DXY	0	-123	96
3521	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	DY	0	-123	96
3522	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3523	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F1A	769	-1063	559
3524	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F2A	769	-1063	559
3525	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F3A	769	-546	1896
3526	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F4A	769	-546	1896
3527	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F1A	769	-1063	559
3528	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F2A	769	-546	1896
3529	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F1A	544	-1049	552
3530	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F2A	544	-540	1928
3531	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E2F1A	544	-540	1928
3532	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F1B	1095	-13730	-15131
3533	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F2B	1095	-13730	-15131
3534	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F3B	0	0	0
3535	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C1F4B	0	0	0
3536	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F1B	1095	-13730	-15131
3537	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	C2F2B	0	0	0
3538	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F1B	775	-11573	-12832
3539	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E1F2B	0	0	0
3540	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	E2F1B	544	-1049	552
3541	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5S	0	-1383	1080
3542	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5X	0	-1383	1080
3543	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5XY	0	-1383	1080
3544	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd5Y	0	-1383	1080
3545	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CP	0	-1579	1234
3546	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CX	0	-1579	1234
3547	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CXY	0	-1579	1234
3548	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CY	0	-1579	1234
3549	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10S	0	-908	709
3550	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10X	0	-908	709
3551	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10XY	0	-908	709
3552	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd10Y	0	-908	709
3553	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1P	0	-413	323
3554	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1X	0	-413	323
3555	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1XY	0	-413	323
3556	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA2.1Y	0	-413	323
3557	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12S	0	-527	412
3558	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12X	0	-527	412
3559	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12XY	0	-527	412
3560	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	Sd12Y	0	-527	412
3561	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1P	0	-421	329
3562	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1X	0	-421	329
3563	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1XY	0	-421	329
3564	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	CA1.1Y	0	-421	329
3565	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DP	0	-400	313
3566	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DX	0	-400	313
3567	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DXY	0	-400	313
3568	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	DY	0	-400	313
3569	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3570	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F1A	1051	-2531	1340
3571	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F2A	1051	-2531	1340
3572	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F3A	1051	-1144	4298
3573	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F4A	1051	-1144	4298
3574	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F1A	1051	-2531	1340
3575	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F2A	1051	-1144	4298
3576	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F1A	801	-3005	1592
3577	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F2A	801	-1291	4911
3578	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E2F1A	801	-1291	4911
3579	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F1B	1495	-24075	-28394
3580	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F2B	1495	-24075	-28394
3581	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F3B	0	0	0
3582	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C1F4B	0	0	0
3583	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F1B	1495	-24075	-28394
3584	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	C2F2B	0	0	0
3585	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F1B	1140	-22884	-27050
3586	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E1F2B	0	0	0
3587	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	E2F1B	801	-3005	1592
3588	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5S	0	-638	499
3589	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5X	0	-638	499
3590	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5XY	0	-638	499
3591	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd5Y	0	-638	499
3592	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CP	0	-729	569
3593	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CX	0	-729	569
3594	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CXY	0	-729	569
3595	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CY	0	-729	569
3596	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10S	0	-419	327
3597	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10X	0	-419	327
3598	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10XY	0	-419	327
3599	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd10Y	0	-419	327
3600	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1P	0	-191	149
3601	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1X	0	-191	149
3602	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1XY	0	-191	149
3603	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA2.1Y	0	-191	149
3604	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12S	0	-243	190
3605	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12X	0	-243	190
3606	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12XY	0	-243	190
3607	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	Sd12Y	0	-243	190
3608	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1P	0	-194	152
3609	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1X	0	-194	152
3610	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1XY	0	-194	152
3611	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	CA1.1Y	0	-194	152
3612	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DP	0	-185	144
3613	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DX	0	-185	144
3614	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DXY	0	-185	144
3615	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	DY	0	-185	144
3616	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3617	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F1A	769	-1372	727
3618	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F2A	769	-1372	727
3619	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F3A	769	-593	2289
3620	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F4A	769	-593	2289
3621	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F1A	769	-1372	727
3622	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F2A	769	-593	2289
3623	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F1A	544	-1529	811
3624	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F2A	544	-701	2740
3625	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E2F1A	544	-701	2740
3626	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F1B	1095	-13831	-16952
3627	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F2B	1095	-13831	-16952
3628	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F3B	0	0	0
3629	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C1F4B	0	0	0
3630	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F1B	1095	-13831	-16952
3631	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	C2F2B	0	0	0
3632	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F1B	775	-11717	-14388
3633	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E1F2B	0	0	0
3634	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	E2F1B	544	-1529	811
3635	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5S	0	-425	332
3636	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5X	0	-425	332
3637	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5XY	0	-425	332
3638	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd5Y	0	-425	332
3639	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CP	0	-486	380
3640	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CX	0	-486	380
3641	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CXY	0	-486	380
3642	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CY	0	-486	380
3643	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10S	0	-279	218
3644	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10X	0	-279	218
3645	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10XY	0	-279	218
3646	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd10Y	0	-279	218
3647	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1P	0	-127	99
3648	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1X	0	-127	99
3649	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1XY	0	-127	99
3650	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA2.1Y	0	-127	99
3651	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12S	0	-162	127
3652	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12X	0	-162	127
3653	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12XY	0	-162	127
3654	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	Sd12Y	0	-162	127
3655	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1P	0	-129	101
3656	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1X	0	-129	101
3657	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1XY	0	-129	101
3658	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	CA1.1Y	0	-129	101
3659	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DP	0	-123	96
3660	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DX	0	-123	96
3661	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DXY	0	-123	96
3662	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	DY	0	-123	96
3663	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3664	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F1A	1154	-1313	696
3665	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F2A	1154	-1313	696
3666	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F3A	1154	-608	2348
3667	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F4A	1154	-608	2348
3668	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F1A	1154	-1313	696
3669	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F2A	1154	-608	2348
3670	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F1A	817	-1317	699
3671	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F2A	817	-625	2432
3672	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E2F1A	817	-625	2432
3673	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F1B	1642	-15589	-19201
3674	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F2B	1642	-15589	-19201
3675	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F3B	0	0	0
3676	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C1F4B	0	0	0
3677	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F1B	1642	-15589	-19201
3678	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	C2F2B	0	0	0
3679	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F1B	1162	-13181	-16261
3680	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E1F2B	0	0	0
3681	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	E2F1B	817	-1317	699
3682	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5S	0	-425	332
3683	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5X	0	-425	332
3684	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5XY	0	-425	332
3685	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd5Y	0	-425	332
3686	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CP	0	-486	380
3687	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CX	0	-486	380
3688	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CXY	0	-486	380
3689	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CY	0	-486	380
3690	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10S	0	-279	218
3691	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10X	0	-279	218
3692	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10XY	0	-279	218
3693	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd10Y	0	-279	218
3694	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1P	0	-127	99
3695	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1X	0	-127	99
3696	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1XY	0	-127	99
3697	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA2.1Y	0	-127	99
3698	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12S	0	-162	127
3699	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12X	0	-162	127
3700	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12XY	0	-162	127
3701	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	Sd12Y	0	-162	127
3702	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1P	0	-129	101
3703	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1X	0	-129	101
3704	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1XY	0	-129	101
3705	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	CA1.1Y	0	-129	101
3706	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DP	0	-123	96
3707	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DX	0	-123	96
3708	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DXY	0	-123	96
3709	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	DY	0	-123	96
3710	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3711	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F1A	2954	-1313	696
3712	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F2A	2954	-1313	696
3713	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F3A	2954	-608	2348
3714	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F4A	2954	-608	2348
3715	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F1A	2954	-1313	696
3716	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F2A	2954	-608	2348
3717	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F1A	2617	-1317	699
3718	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F2A	2617	-625	2432
3719	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E2F1A	2617	-625	2432
3720	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F1B	1642	-15589	-19201
3721	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F2B	1642	-15589	-19201
3722	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F3B	0	0	0
3723	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C1F4B	0	0	0
3724	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F1B	1642	-15589	-19201
3725	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	C2F2B	0	0	0
3726	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F1B	1162	-13181	-16261
3727	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E1F2B	0	0	0
3728	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	E2F1B	817	-1317	699
3729	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5S	0	-425	332
3730	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5X	0	-425	332
3731	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5XY	0	-425	332
3732	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd5Y	0	-425	332
3733	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CP	0	-486	380
3734	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CX	0	-486	380
3735	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CXY	0	-486	380
3736	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CY	0	-486	380
3737	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10S	0	-279	218
3738	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10X	0	-279	218
3739	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10XY	0	-279	218
3740	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd10Y	0	-279	218
3741	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1P	0	-127	99
3742	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1X	0	-127	99
3743	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1XY	0	-127	99
3744	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA2.1Y	0	-127	99
3745	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12S	0	-162	127
3746	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12X	0	-162	127
3747	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12XY	0	-162	127
3748	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	Sd12Y	0	-162	127
3749	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1P	0	-129	101
3750	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1X	0	-129	101
3751	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1XY	0	-129	101
3752	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	CA1.1Y	0	-129	101
3753	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DP	0	-123	96
3754	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DX	0	-123	96
3755	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DXY	0	-123	96
3756	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	DY	0	-123	96
3757	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3758	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F1A	0	0	0
3759	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F2A	0	0	0
3760	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F3A	0	0	0
3761	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F4A	0	0	0
3762	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F1A	0	0	0
3763	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F2A	0	0	0
3764	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F1A	0	0	0
3765	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F2A	0	0	0
3766	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E2F1A	0	0	0
3767	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F1B	1095	-13730	-15131
3768	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F2B	1095	-13730	-15131
3769	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F3B	1095	-13730	-15131
3770	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C1F4B	1095	-13730	-15131
3771	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F1B	1095	-13730	-15131
3772	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	C2F2B	1095	-13730	-15131
3773	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F1B	775	-11573	-12832
3774	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E1F2B	775	-11573	-12832
3775	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	E2F1B	0	0	0
3776	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5S	0	-1383	1080
3777	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5X	0	-1383	1080
3778	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5XY	0	-1383	1080
3779	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd5Y	0	-1383	1080
3780	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CP	0	-1579	1234
3781	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CX	0	-1579	1234
3782	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CXY	0	-1579	1234
3783	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CY	0	-1579	1234
3784	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10S	0	-908	709
3785	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10X	0	-908	709
3786	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10XY	0	-908	709
3787	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd10Y	0	-908	709
3788	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1P	0	-413	323
3789	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1X	0	-413	323
3790	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1XY	0	-413	323
3791	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA2.1Y	0	-413	323
3792	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12S	0	-527	412
3793	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12X	0	-527	412
3794	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12XY	0	-527	412
3795	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	Sd12Y	0	-527	412
3796	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1P	0	-421	329
3797	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1X	0	-421	329
3798	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1XY	0	-421	329
3799	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	CA1.1Y	0	-421	329
3800	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DP	0	-400	313
3801	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DX	0	-400	313
3802	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DXY	0	-400	313
3803	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	DY	0	-400	313
3804	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3805	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F1A	0	0	0
3806	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F2A	0	0	0
3807	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F3A	0	0	0
3808	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F4A	0	0	0
3809	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F1A	0	0	0
3810	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F2A	0	0	0
3811	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F1A	0	0	0
3812	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F2A	0	0	0
3813	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E2F1A	0	0	0
3814	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F1B	1495	-24075	-28394
3815	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F2B	1495	-24075	-28394
3816	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F3B	1495	-24075	-28394
3817	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C1F4B	1495	-24075	-28394
3818	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F1B	1495	-24075	-28394
3819	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	C2F2B	1495	-24075	-28394
3820	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F1B	1140	-22884	-27050
3821	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E1F2B	1140	-22884	-27050
3822	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	E2F1B	0	0	0
3823	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5S	0	-638	499
3824	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5X	0	-638	499
3825	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5XY	0	-638	499
3826	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd5Y	0	-638	499
3827	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CP	0	-729	569
3828	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CX	0	-729	569
3829	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CXY	0	-729	569
3830	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CY	0	-729	569
3831	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10S	0	-419	327
3832	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10X	0	-419	327
3833	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10XY	0	-419	327
3834	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd10Y	0	-419	327
3835	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1P	0	-191	149
3836	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1X	0	-191	149
3837	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1XY	0	-191	149
3838	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA2.1Y	0	-191	149
3839	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12S	0	-243	190
3840	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12X	0	-243	190
3841	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12XY	0	-243	190
3842	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	Sd12Y	0	-243	190
3843	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1P	0	-194	152
3844	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1X	0	-194	152
3845	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1XY	0	-194	152
3846	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	CA1.1Y	0	-194	152
3847	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DP	0	-185	144
3848	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DX	0	-185	144
3849	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DXY	0	-185	144
3850	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	DY	0	-185	144
3851	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3852	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F1A	0	0	0
3853	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F2A	0	0	0
3854	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F3A	0	0	0
3855	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F4A	0	0	0
3856	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F1A	0	0	0
3857	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F2A	0	0	0
3858	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F1A	0	0	0
3859	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F2A	0	0	0
3860	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E2F1A	0	0	0
3861	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F1B	1095	-13831	-16952
3862	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F2B	1095	-13831	-16952
3863	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F3B	1095	-13831	-16952
3864	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C1F4B	1095	-13831	-16952
3865	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F1B	1095	-13831	-16952
3866	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	C2F2B	1095	-13831	-16952
3867	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F1B	775	-11717	-14388
3868	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E1F2B	775	-11717	-14388
3869	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	E2F1B	0	0	0
3870	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5S	0	-425	332
3871	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5X	0	-425	332
3872	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5XY	0	-425	332
3873	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd5Y	0	-425	332
3874	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CP	0	-486	380
3875	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CX	0	-486	380
3876	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CXY	0	-486	380
3877	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CY	0	-486	380
3878	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10S	0	-279	218
3879	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10X	0	-279	218
3880	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10XY	0	-279	218
3881	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd10Y	0	-279	218
3882	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1P	0	-127	99
3883	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1X	0	-127	99
3884	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1XY	0	-127	99
3885	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA2.1Y	0	-127	99
3886	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12S	0	-162	127
3887	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12X	0	-162	127
3888	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12XY	0	-162	127
3889	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	Sd12Y	0	-162	127
3890	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1P	0	-129	101
3891	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1X	0	-129	101
3892	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1XY	0	-129	101
3893	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	CA1.1Y	0	-129	101
3894	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DP	0	-123	96
3895	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DX	0	-123	96
3896	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DXY	0	-123	96
3897	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	DY	0	-123	96
3898	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3899	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F1A	0	0	0
3900	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F2A	0	0	0
3901	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F3A	0	0	0
3902	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F4A	0	0	0
3903	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F1A	0	0	0
3904	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F2A	0	0	0
3905	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F1A	0	0	0
3906	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F2A	0	0	0
3907	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E2F1A	0	0	0
3908	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F1B	1642	-15589	-19201
3909	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F2B	1642	-15589	-19201
3910	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F3B	1642	-15589	-19201
3911	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C1F4B	1642	-15589	-19201
3912	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F1B	1642	-15589	-19201
3913	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	C2F2B	1642	-15589	-19201
3914	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F1B	1162	-13181	-16261
3915	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E1F2B	1162	-13181	-16261
3916	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	E2F1B	0	0	0
3917	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5S	0	-425	332
3918	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5X	0	-425	332
3919	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5XY	0	-425	332
3920	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd5Y	0	-425	332
3921	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CP	0	-486	380
3922	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CX	0	-486	380
3923	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CXY	0	-486	380
3924	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CY	0	-486	380
3925	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10S	0	-279	218
3926	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10X	0	-279	218
3927	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10XY	0	-279	218
3928	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd10Y	0	-279	218
3929	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1P	0	-127	99
3930	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1X	0	-127	99
3931	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1XY	0	-127	99
3932	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA2.1Y	0	-127	99
3933	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12S	0	-162	127
3934	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12X	0	-162	127
3935	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12XY	0	-162	127
3936	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	Sd12Y	0	-162	127
3937	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1P	0	-129	101
3938	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1X	0	-129	101
3939	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1XY	0	-129	101
3940	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	CA1.1Y	0	-129	101
3941	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DP	0	-123	96
3942	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DX	0	-123	96
3943	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DXY	0	-123	96
3944	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	DY	0	-123	96
3945	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3946	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F1A	0	0	0
3947	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F2A	0	0	0
3948	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F3A	0	0	0
3949	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F4A	0	0	0
3950	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F1A	0	0	0
3951	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F2A	0	0	0
3952	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F1A	0	0	0
3953	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F2A	0	0	0
3954	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E2F1A	0	0	0
3955	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F1B	1642	-15589	-19201
3956	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F2B	1642	-15589	-19201
3957	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F3B	1642	-15589	-19201
3958	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C1F4B	1642	-15589	-19201
3959	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F1B	1642	-15589	-19201
3960	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	C2F2B	1642	-15589	-19201
3961	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F1B	1162	-13181	-16261
3962	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E1F2B	1162	-13181	-16261
3963	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	E2F1B	0	0	0
3964	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5S	0	-425	332
3965	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5X	0	-425	332
3966	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5XY	0	-425	332
3967	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd5Y	0	-425	332
3968	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CP	0	-486	380
3969	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CX	0	-486	380
3970	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CXY	0	-486	380
3971	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CY	0	-486	380
3972	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10S	0	-279	218
3973	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10X	0	-279	218
3974	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10XY	0	-279	218
3975	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd10Y	0	-279	218
3976	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1P	0	-127	99
3977	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1X	0	-127	99
3978	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1XY	0	-127	99
3979	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA2.1Y	0	-127	99
3980	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12S	0	-162	127
3981	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12X	0	-162	127
3982	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12XY	0	-162	127
3983	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	Sd12Y	0	-162	127
3984	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1P	0	-129	101
3985	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1X	0	-129	101
3986	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1XY	0	-129	101
3987	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	CA1.1Y	0	-129	101
3988	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DP	0	-123	96
3989	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DX	0	-123	96
3990	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DXY	0	-123	96
3991	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	DY	0	-123	96
3992	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
3993	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F1A	769	-1063	559
3994	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F2A	769	-1063	559
3995	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F3A	769	-546	1896
3996	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F4A	769	-546	1896
3997	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F1A	769	-1063	559
3998	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F2A	769	-546	1896
3999	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F1A	544	-1049	552
4000	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F2A	544	-540	1928
4001	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E2F1A	544	-540	1928
4002	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F1B	0	0	0
4003	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F2B	0	0	0
4004	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F3B	0	0	0
4005	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C1F4B	0	0	0
4006	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F1B	0	0	0
4007	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	C2F2B	0	0	0
4008	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F1B	0	0	0
4009	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E1F2B	0	0	0
4010	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	E2F1B	544	-1049	552
4011	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5S	0	-1383	1080
4012	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5X	0	-1383	1080
4013	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5XY	0	-1383	1080
4014	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd5Y	0	-1383	1080
4015	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CP	0	-1579	1234
4016	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CX	0	-1579	1234
4017	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CXY	0	-1579	1234
4018	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CY	0	-1579	1234
4019	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10S	0	-908	709
4020	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10X	0	-908	709
4021	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10XY	0	-908	709
4022	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd10Y	0	-908	709
4023	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1P	0	-413	323
4024	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1X	0	-413	323
4025	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1XY	0	-413	323
4026	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA2.1Y	0	-413	323
4027	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12S	0	-527	412
4028	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12X	0	-527	412
4029	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12XY	0	-527	412
4030	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	Sd12Y	0	-527	412
4031	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1P	0	-421	329
4032	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1X	0	-421	329
4033	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1XY	0	-421	329
4034	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	CA1.1Y	0	-421	329
4035	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DP	0	-400	313
4036	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DX	0	-400	313
4037	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DXY	0	-400	313
4038	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	DY	0	-400	313
4039	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4040	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F1A	1051	-2531	1340
4041	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F2A	1051	-2531	1340
4042	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F3A	1051	-1144	4298
4043	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F4A	1051	-1144	4298
4044	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F1A	1051	-2531	1340
4045	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F2A	1051	-1144	4298
4046	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F1A	801	-3005	1592
4047	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F2A	801	-1291	4911
4048	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E2F1A	801	-1291	4911
4049	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F1B	0	0	0
4050	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F2B	0	0	0
4051	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F3B	0	0	0
4052	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C1F4B	0	0	0
4053	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F1B	0	0	0
4054	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	C2F2B	0	0	0
4055	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F1B	0	0	0
4056	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E1F2B	0	0	0
4057	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	E2F1B	801	-3005	1592
4058	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5S	0	-638	499
4059	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5X	0	-638	499
4060	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5XY	0	-638	499
4061	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd5Y	0	-638	499
4062	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CP	0	-729	569
4063	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CX	0	-729	569
4064	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CXY	0	-729	569
4065	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CY	0	-729	569
4066	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10S	0	-419	327
4067	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10X	0	-419	327
4068	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10XY	0	-419	327
4069	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd10Y	0	-419	327
4070	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1P	0	-191	149
4071	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1X	0	-191	149
4072	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1XY	0	-191	149
4073	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA2.1Y	0	-191	149
4074	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12S	0	-243	190
4075	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12X	0	-243	190
4076	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12XY	0	-243	190
4077	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	Sd12Y	0	-243	190
4078	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1P	0	-194	152
4079	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1X	0	-194	152
4080	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1XY	0	-194	152
4081	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	CA1.1Y	0	-194	152
4082	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DP	0	-185	144
4083	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DX	0	-185	144
4084	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DXY	0	-185	144
4085	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	DY	0	-185	144
4086	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4087	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F1A	769	-1372	727
4088	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F2A	769	-1372	727
4089	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F3A	769	-593	2289
4090	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F4A	769	-593	2289
4091	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F1A	769	-1372	727
4092	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F2A	769	-593	2289
4093	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F1A	544	-1529	811
4094	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F2A	544	-701	2740
4095	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E2F1A	544	-701	2740
4096	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F1B	0	0	0
4097	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F2B	0	0	0
4098	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F3B	0	0	0
4099	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C1F4B	0	0	0
4100	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F1B	0	0	0
4101	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	C2F2B	0	0	0
4102	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F1B	0	0	0
4103	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E1F2B	0	0	0
4104	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	E2F1B	544	-1529	811
4105	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5S	0	-425	332
4106	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5X	0	-425	332
4107	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5XY	0	-425	332
4108	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd5Y	0	-425	332
4109	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CP	0	-486	380
4110	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CX	0	-486	380
4111	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CXY	0	-486	380
4112	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CY	0	-486	380
4113	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10S	0	-279	218
4114	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10X	0	-279	218
4115	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10XY	0	-279	218
4116	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd10Y	0	-279	218
4117	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1P	0	-127	99
4118	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1X	0	-127	99
4119	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1XY	0	-127	99
4120	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA2.1Y	0	-127	99
4121	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12S	0	-162	127
4122	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12X	0	-162	127
4123	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12XY	0	-162	127
4124	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	Sd12Y	0	-162	127
4125	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1P	0	-129	101
4126	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1X	0	-129	101
4127	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1XY	0	-129	101
4128	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	CA1.1Y	0	-129	101
4129	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DP	0	-123	96
4130	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DX	0	-123	96
4131	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DXY	0	-123	96
4132	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	DY	0	-123	96
4133	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4134	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F1A	1154	-1313	696
4135	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F2A	1154	-1313	696
4136	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F3A	1154	-608	2348
4137	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F4A	1154	-608	2348
4138	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F1A	1154	-1313	696
4139	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F2A	1154	-608	2348
4140	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F1A	817	-1317	699
4141	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F2A	817	-625	2432
4142	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E2F1A	817	-625	2432
4143	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F1B	0	0	0
4144	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F2B	0	0	0
4145	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F3B	0	0	0
4146	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C1F4B	0	0	0
4147	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F1B	0	0	0
4148	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	C2F2B	0	0	0
4149	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F1B	0	0	0
4150	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E1F2B	0	0	0
4151	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	E2F1B	817	-1317	699
4152	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5S	0	-425	332
4153	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5X	0	-425	332
4154	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5XY	0	-425	332
4155	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd5Y	0	-425	332
4156	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CP	0	-486	380
4157	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CX	0	-486	380
4158	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CXY	0	-486	380
4159	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CY	0	-486	380
4160	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10S	0	-279	218
4161	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10X	0	-279	218
4162	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10XY	0	-279	218
4163	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd10Y	0	-279	218
4164	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1P	0	-127	99
4165	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1X	0	-127	99
4166	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1XY	0	-127	99
4167	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA2.1Y	0	-127	99
4168	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12S	0	-162	127
4169	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12X	0	-162	127
4170	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12XY	0	-162	127
4171	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	Sd12Y	0	-162	127
4172	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1P	0	-129	101
4173	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1X	0	-129	101
4174	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1XY	0	-129	101
4175	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	CA1.1Y	0	-129	101
4176	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DP	0	-123	96
4177	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DX	0	-123	96
4178	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DXY	0	-123	96
4179	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	DY	0	-123	96
4180	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4181	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F1A	2954	-1313	696
4182	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F2A	2954	-1313	696
4183	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F3A	2954	-608	2348
4184	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F4A	2954	-608	2348
4185	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F1A	2954	-1313	696
4186	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F2A	2954	-608	2348
4187	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F1A	2617	-1317	699
4188	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F2A	2617	-625	2432
4189	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E2F1A	2617	-625	2432
4190	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F1B	0	0	0
4191	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F2B	0	0	0
4192	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F3B	0	0	0
4193	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C1F4B	0	0	0
4194	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F1B	0	0	0
4195	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	C2F2B	0	0	0
4196	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F1B	0	0	0
4197	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E1F2B	0	0	0
4198	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	E2F1B	817	-1317	699
4199	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5S	0	-425	332
4200	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5X	0	-425	332
4201	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5XY	0	-425	332
4202	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd5Y	0	-425	332
4203	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CP	0	-486	380
4204	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CX	0	-486	380
4205	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CXY	0	-486	380
4206	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CY	0	-486	380
4207	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10S	0	-279	218
4208	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10X	0	-279	218
4209	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10XY	0	-279	218
4210	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd10Y	0	-279	218
4211	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1P	0	-127	99
4212	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1X	0	-127	99
4213	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1XY	0	-127	99
4214	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA2.1Y	0	-127	99
4215	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12S	0	-162	127
4216	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12X	0	-162	127
4217	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12XY	0	-162	127
4218	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	Sd12Y	0	-162	127
4219	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1P	0	-129	101
4220	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1X	0	-129	101
4221	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1XY	0	-129	101
4222	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	CA1.1Y	0	-129	101
4223	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DP	0	-123	96
4224	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DX	0	-123	96
4225	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DXY	0	-123	96
4226	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	DY	0	-123	96
4227	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4228	LC115_SeLS_NL1a=Wind_Dir=38	C1F1A	669	-925	484
4229	LC115_SeLS_NL1a=Wind_Dir=38	C1F2A	669	-925	484
4230	LC115_SeLS_NL1a=Wind_Dir=38	C1F3A	669	-503	1642
4231	LC115_SeLS_NL1a=Wind_Dir=38	C1F4A	669	-503	1642
4232	LC115_SeLS_NL1a=Wind_Dir=38	C2F1A	669	-925	484
4233	LC115_SeLS_NL1a=Wind_Dir=38	C2F2A	669	-503	1642
4234	LC115_SeLS_NL1a=Wind_Dir=38	E1F1A	473	-913	479
4235	LC115_SeLS_NL1a=Wind_Dir=38	E1F2A	473	-492	1671
4236	LC115_SeLS_NL1a=Wind_Dir=38	E2F1A	473	-492	1671
4237	LC115_SeLS_NL1a=Wind_Dir=38	C1F1B	952	-12428	-12775
4238	LC115_SeLS_NL1a=Wind_Dir=38	C1F2B	952	-12428	-12775
4239	LC115_SeLS_NL1a=Wind_Dir=38	C1F3B	952	-12428	-12775
4240	LC115_SeLS_NL1a=Wind_Dir=38	C1F4B	952	-12428	-12775
4241	LC115_SeLS_NL1a=Wind_Dir=38	C2F1B	952	-12428	-12775
4242	LC115_SeLS_NL1a=Wind_Dir=38	C2F2B	952	-12428	-12775
4243	LC115_SeLS_NL1a=Wind_Dir=38	E1F1B	674	-10460	-10849
4244	LC115_SeLS_NL1a=Wind_Dir=38	E1F2B	674	-10460	-10849
4245	LC115_SeLS_NL1a=Wind_Dir=38	E2F1B	473	-913	479
4246	LC115_SeLS_NL1a=Wind_Dir=38	Sd5S	0	-1772	1385
4247	LC115_SeLS_NL1a=Wind_Dir=38	Sd5X	0	-1772	1385
4248	LC115_SeLS_NL1a=Wind_Dir=38	Sd5XY	0	-1772	1385
4249	LC115_SeLS_NL1a=Wind_Dir=38	Sd5Y	0	-1772	1385
4250	LC115_SeLS_NL1a=Wind_Dir=38	CP	0	-2024	1582
4251	LC115_SeLS_NL1a=Wind_Dir=38	CX	0	-2024	1582
4252	LC115_SeLS_NL1a=Wind_Dir=38	CXY	0	-2024	1582
4253	LC115_SeLS_NL1a=Wind_Dir=38	CY	0	-2024	1582
4254	LC115_SeLS_NL1a=Wind_Dir=38	Sd10S	0	-1164	909
4255	LC115_SeLS_NL1a=Wind_Dir=38	Sd10X	0	-1164	909
4256	LC115_SeLS_NL1a=Wind_Dir=38	Sd10XY	0	-1164	909
4257	LC115_SeLS_NL1a=Wind_Dir=38	Sd10Y	0	-1164	909
4258	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1P	0	-529	414
4259	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1X	0	-529	414
4260	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1XY	0	-529	414
4261	LC115_SeLS_NL1a=Wind_Dir=38	CA2.1Y	0	-529	414
4262	LC115_SeLS_NL1a=Wind_Dir=38	Sd12S	0	-676	528
4263	LC115_SeLS_NL1a=Wind_Dir=38	Sd12X	0	-676	528
4264	LC115_SeLS_NL1a=Wind_Dir=38	Sd12XY	0	-676	528
4265	LC115_SeLS_NL1a=Wind_Dir=38	Sd12Y	0	-676	528
4266	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1P	0	-539	421
4267	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1X	0	-539	421
4268	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1XY	0	-539	421
4269	LC115_SeLS_NL1a=Wind_Dir=38	CA1.1Y	0	-539	421
4270	LC115_SeLS_NL1a=Wind_Dir=38	DP	0	-513	401
4271	LC115_SeLS_NL1a=Wind_Dir=38	DX	0	-513	401
4272	LC115_SeLS_NL1a=Wind_Dir=38	DXY	0	-513	401
4273	LC115_SeLS_NL1a=Wind_Dir=38	DY	0	-513	401
4274	LC115_SeLS_NL1a=Wind_Dir=38	TopP	0	-434	339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4275	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F1A	1496	-2201	1165
4276	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F2A	1496	-2201	1165
4277	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F3A	1496	-992	3738
4278	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F4A	1496	-992	3738
4279	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F1A	1496	-2201	1165
4280	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F2A	1496	-992	3738
4281	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F1A	1228	-2613	1384
4282	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F2A	1228	-1121	4271
4283	LC116_SeLS_NL3=Wind+Ice_Dir=38	E2F1A	1228	-1121	4271
4284	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F1B	2130	-20892	-24724
4285	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F2B	2130	-20892	-24724
4286	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F3B	2130	-20892	-24724
4287	LC116_SeLS_NL3=Wind+Ice_Dir=38	C1F4B	2130	-20892	-24724
4288	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F1B	2130	-20892	-24724
4289	LC116_SeLS_NL3=Wind+Ice_Dir=38	C2F2B	2130	-20892	-24724
4290	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F1B	1748	-19860	-23553
4291	LC116_SeLS_NL3=Wind+Ice_Dir=38	E1F2B	1748	-19860	-23553
4292	LC116_SeLS_NL3=Wind+Ice_Dir=38	E2F1B	1228	-2613	1384
4293	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5S	0	-532	415
4294	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5X	0	-532	415
4295	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5XY	0	-532	415
4296	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd5Y	0	-532	415
4297	LC116_SeLS_NL3=Wind+Ice_Dir=38	CP	0	-607	474
4298	LC116_SeLS_NL3=Wind+Ice_Dir=38	CX	0	-607	474
4299	LC116_SeLS_NL3=Wind+Ice_Dir=38	CXY	0	-607	474
4300	LC116_SeLS_NL3=Wind+Ice_Dir=38	CY	0	-607	474
4301	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10S	0	-349	273
4302	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10X	0	-349	273
4303	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10XY	0	-349	273
4304	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd10Y	0	-349	273
4305	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1P	0	-159	124
4306	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1X	0	-159	124
4307	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1XY	0	-159	124
4308	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA2.1Y	0	-159	124
4309	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12S	0	-203	158
4310	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12X	0	-203	158
4311	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12XY	0	-203	158
4312	LC116_SeLS_NL3=Wind+Ice_Dir=38	Sd12Y	0	-203	158
4313	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1P	0	-162	126
4314	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1X	0	-162	126
4315	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1XY	0	-162	126
4316	LC116_SeLS_NL3=Wind+Ice_Dir=38	CA1.1Y	0	-162	126
4317	LC116_SeLS_NL3=Wind+Ice_Dir=38	DP	0	-154	120
4318	LC116_SeLS_NL3=Wind+Ice_Dir=38	DX	0	-154	120
4319	LC116_SeLS_NL3=Wind+Ice_Dir=38	DXY	0	-154	120
4320	LC116_SeLS_NL3=Wind+Ice_Dir=38	DY	0	-154	120
4321	LC116_SeLS_NL3=Wind+Ice_Dir=38	TopP	0	-130	102

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4322	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F1A	669	-1193	633
4323	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F2A	669	-1193	633
4324	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F3A	669	-515	1990
4325	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F4A	669	-515	1990
4326	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F1A	669	-1193	633
4327	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F2A	669	-515	1990
4328	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F1A	473	-1329	706
4329	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F2A	473	-609	2383
4330	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E2F1A	473	-609	2383
4331	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F1B	952	-12014	-14751
4332	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F2B	952	-12014	-14751
4333	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F3B	952	-12014	-14751
4334	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C1F4B	952	-12014	-14751
4335	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F1B	952	-12014	-14751
4336	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	C2F2B	952	-12014	-14751
4337	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F1B	674	-10178	-12519
4338	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E1F2B	674	-10178	-12519
4339	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	E2F1B	473	-1329	706
4340	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5S	0	-354	277
4341	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5X	0	-354	277
4342	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5XY	0	-354	277
4343	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd5Y	0	-354	277
4344	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CP	0	-405	316
4345	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CX	0	-405	316
4346	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CXY	0	-405	316
4347	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CY	0	-405	316
4348	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10S	0	-233	182
4349	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10X	0	-233	182
4350	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10XY	0	-233	182
4351	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd10Y	0	-233	182
4352	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1P	0	-106	83
4353	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1X	0	-106	83
4354	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1XY	0	-106	83
4355	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA2.1Y	0	-106	83
4356	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12S	0	-135	106
4357	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12X	0	-135	106
4358	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12XY	0	-135	106
4359	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	Sd12Y	0	-135	106
4360	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1P	0	-108	84
4361	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1X	0	-108	84
4362	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1XY	0	-108	84
4363	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	CA1.1Y	0	-108	84
4364	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DP	0	-103	80
4365	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DX	0	-103	80
4366	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DXY	0	-103	80
4367	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	DY	0	-103	80
4368	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4369	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F1A	1003	-1142	606
4370	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F2A	1003	-1142	606
4371	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F3A	1003	-528	2042
4372	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F4A	1003	-528	2042
4373	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F1A	1003	-1142	606
4374	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F2A	1003	-528	2042
4375	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F1A	710	-1146	608
4376	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F2A	710	-543	2115
4377	LC118_SeLS_NL6a=Cons+Main_Dir=38	E2F1A	710	-543	2115
4378	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F1B	1428	-13543	-16707
4379	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F2B	1428	-13543	-16707
4380	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F3B	1428	-13543	-16707
4381	LC118_SeLS_NL6a=Cons+Main_Dir=38	C1F4B	1428	-13543	-16707
4382	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F1B	1428	-13543	-16707
4383	LC118_SeLS_NL6a=Cons+Main_Dir=38	C2F2B	1428	-13543	-16707
4384	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F1B	1011	-11451	-14148
4385	LC118_SeLS_NL6a=Cons+Main_Dir=38	E1F2B	1011	-11451	-14148
4386	LC118_SeLS_NL6a=Cons+Main_Dir=38	E2F1B	710	-1146	608
4387	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5S	0	-354	277
4388	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5X	0	-354	277
4389	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5XY	0	-354	277
4390	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd5Y	0	-354	277
4391	LC118_SeLS_NL6a=Cons+Main_Dir=38	CP	0	-405	316
4392	LC118_SeLS_NL6a=Cons+Main_Dir=38	CX	0	-405	316
4393	LC118_SeLS_NL6a=Cons+Main_Dir=38	CXY	0	-405	316
4394	LC118_SeLS_NL6a=Cons+Main_Dir=38	CY	0	-405	316
4395	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10S	0	-233	182
4396	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10X	0	-233	182
4397	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10XY	0	-233	182
4398	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd10Y	0	-233	182
4399	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1P	0	-106	83
4400	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1X	0	-106	83
4401	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1XY	0	-106	83
4402	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA2.1Y	0	-106	83
4403	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12S	0	-135	106
4404	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12X	0	-135	106
4405	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12XY	0	-135	106
4406	LC118_SeLS_NL6a=Cons+Main_Dir=38	Sd12Y	0	-135	106
4407	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1P	0	-108	84
4408	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1X	0	-108	84
4409	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1XY	0	-108	84
4410	LC118_SeLS_NL6a=Cons+Main_Dir=38	CA1.1Y	0	-108	84
4411	LC118_SeLS_NL6a=Cons+Main_Dir=38	DP	0	-103	80
4412	LC118_SeLS_NL6a=Cons+Main_Dir=38	DX	0	-103	80
4413	LC118_SeLS_NL6a=Cons+Main_Dir=38	DXY	0	-103	80
4414	LC118_SeLS_NL6a=Cons+Main_Dir=38	DY	0	-103	80
4415	LC118_SeLS_NL6a=Cons+Main_Dir=38	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4416	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F1A	2503	-1142	606
4417	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F2A	2503	-1142	606
4418	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F3A	2503	-528	2042
4419	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F4A	2503	-528	2042
4420	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F1A	2503	-1142	606
4421	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F2A	2503	-528	2042
4422	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F1A	2210	-1146	608
4423	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F2A	2210	-543	2115
4424	LC119_SeLS_NL6b=Linesmen_Dir=38	E2F1A	2210	-543	2115
4425	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F1B	1428	-13543	-16707
4426	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F2B	1428	-13543	-16707
4427	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F3B	1428	-13543	-16707
4428	LC119_SeLS_NL6b=Linesmen_Dir=38	C1F4B	1428	-13543	-16707
4429	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F1B	1428	-13543	-16707
4430	LC119_SeLS_NL6b=Linesmen_Dir=38	C2F2B	1428	-13543	-16707
4431	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F1B	1011	-11451	-14148
4432	LC119_SeLS_NL6b=Linesmen_Dir=38	E1F2B	1011	-11451	-14148
4433	LC119_SeLS_NL6b=Linesmen_Dir=38	E2F1B	710	-1146	608
4434	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5S	0	-354	277
4435	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5X	0	-354	277
4436	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5XY	0	-354	277
4437	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd5Y	0	-354	277
4438	LC119_SeLS_NL6b=Linesmen_Dir=38	CP	0	-405	316
4439	LC119_SeLS_NL6b=Linesmen_Dir=38	CX	0	-405	316
4440	LC119_SeLS_NL6b=Linesmen_Dir=38	CXY	0	-405	316
4441	LC119_SeLS_NL6b=Linesmen_Dir=38	CY	0	-405	316
4442	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10S	0	-233	182
4443	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10X	0	-233	182
4444	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10XY	0	-233	182
4445	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd10Y	0	-233	182
4446	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1P	0	-106	83
4447	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1X	0	-106	83
4448	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1XY	0	-106	83
4449	LC119_SeLS_NL6b=Linesmen_Dir=38	CA2.1Y	0	-106	83
4450	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12S	0	-135	106
4451	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12X	0	-135	106
4452	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12XY	0	-135	106
4453	LC119_SeLS_NL6b=Linesmen_Dir=38	Sd12Y	0	-135	106
4454	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1P	0	-108	84
4455	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1X	0	-108	84
4456	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1XY	0	-108	84
4457	LC119_SeLS_NL6b=Linesmen_Dir=38	CA1.1Y	0	-108	84
4458	LC119_SeLS_NL6b=Linesmen_Dir=38	DP	0	-103	80
4459	LC119_SeLS_NL6b=Linesmen_Dir=38	DX	0	-103	80
4460	LC119_SeLS_NL6b=Linesmen_Dir=38	DXY	0	-103	80
4461	LC119_SeLS_NL6b=Linesmen_Dir=38	DY	0	-103	80
4462	LC119_SeLS_NL6b=Linesmen_Dir=38	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4463	LC120_ULS_NL1a=Wind_Dir=-45	C1F1A	769	-2493	978
4464	LC120_ULS_NL1a=Wind_Dir=-45	C1F2A	769	-2493	978
4465	LC120_ULS_NL1a=Wind_Dir=-45	C1F3A	769	-827	2299
4466	LC120_ULS_NL1a=Wind_Dir=-45	C1F4A	769	-827	2299
4467	LC120_ULS_NL1a=Wind_Dir=-45	C2F1A	769	-2493	978
4468	LC120_ULS_NL1a=Wind_Dir=-45	C2F2A	769	-827	2299
4469	LC120_ULS_NL1a=Wind_Dir=-45	E1F1A	544	-2505	1050
4470	LC120_ULS_NL1a=Wind_Dir=-45	E1F2A	544	-788	2334
4471	LC120_ULS_NL1a=Wind_Dir=-45	E2F1A	544	-788	2334
4472	LC120_ULS_NL1a=Wind_Dir=-45	C1F1B	1095	-6591	-8371
4473	LC120_ULS_NL1a=Wind_Dir=-45	C1F2B	1095	-6591	-8371
4474	LC120_ULS_NL1a=Wind_Dir=-45	C1F3B	1095	-6591	-8371
4475	LC120_ULS_NL1a=Wind_Dir=-45	C1F4B	1095	-6591	-8371
4476	LC120_ULS_NL1a=Wind_Dir=-45	C2F1B	1095	-6591	-8371
4477	LC120_ULS_NL1a=Wind_Dir=-45	C2F2B	1095	-6591	-8371
4478	LC120_ULS_NL1a=Wind_Dir=-45	E1F1B	775	-5457	-6932
4479	LC120_ULS_NL1a=Wind_Dir=-45	E1F2B	775	-5457	-6932
4480	LC120_ULS_NL1a=Wind_Dir=-45	E2F1B	544	-2505	1050
4481	LC120_ULS_NL1a=Wind_Dir=-45	Sd5S	0	-2249	-2249
4482	LC120_ULS_NL1a=Wind_Dir=-45	Sd5X	0	-2249	-2249
4483	LC120_ULS_NL1a=Wind_Dir=-45	Sd5XY	0	-2249	-2249
4484	LC120_ULS_NL1a=Wind_Dir=-45	Sd5Y	0	-2249	-2249
4485	LC120_ULS_NL1a=Wind_Dir=-45	CP	0	-2568	-2568
4486	LC120_ULS_NL1a=Wind_Dir=-45	CX	0	-2568	-2568
4487	LC120_ULS_NL1a=Wind_Dir=-45	CXY	0	-2568	-2568
4488	LC120_ULS_NL1a=Wind_Dir=-45	CY	0	-2568	-2568
4489	LC120_ULS_NL1a=Wind_Dir=-45	Sd10S	0	-1299	-1299
4490	LC120_ULS_NL1a=Wind_Dir=-45	Sd10X	0	-1299	-1299
4491	LC120_ULS_NL1a=Wind_Dir=-45	Sd10XY	0	-1299	-1299
4492	LC120_ULS_NL1a=Wind_Dir=-45	Sd10Y	0	-1299	-1299
4493	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1P	0	-672	-672
4494	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1X	0	-672	-672
4495	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1XY	0	-672	-672
4496	LC120_ULS_NL1a=Wind_Dir=-45	CA2.1Y	0	-672	-672
4497	LC120_ULS_NL1a=Wind_Dir=-45	Sd12S	0	-763	-763
4498	LC120_ULS_NL1a=Wind_Dir=-45	Sd12X	0	-763	-763
4499	LC120_ULS_NL1a=Wind_Dir=-45	Sd12XY	0	-763	-763
4500	LC120_ULS_NL1a=Wind_Dir=-45	Sd12Y	0	-763	-763
4501	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1P	0	-684	-684
4502	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1X	0	-684	-684
4503	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1XY	0	-684	-684
4504	LC120_ULS_NL1a=Wind_Dir=-45	CA1.1Y	0	-684	-684
4505	LC120_ULS_NL1a=Wind_Dir=-45	DP	0	-579	-579
4506	LC120_ULS_NL1a=Wind_Dir=-45	DX	0	-579	-579
4507	LC120_ULS_NL1a=Wind_Dir=-45	DXY	0	-579	-579
4508	LC120_ULS_NL1a=Wind_Dir=-45	DY	0	-579	-579
4509	LC120_ULS_NL1a=Wind_Dir=-45	TopP	0	-551	-551

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4510	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F1A	1845	-5271	2579
4511	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F2A	1845	-5271	2579
4512	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F3A	1845	-1458	5190
4513	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F4A	1845	-1458	5190
4514	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F1A	1845	-5271	2579
4515	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F2A	1845	-1458	5190
4516	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F1A	1526	-5840	2898
4517	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F2A	1526	-1595	5789
4518	LC121_ULS_NL3=Wind+Ice_Dir=-45	E2F1A	1526	-1595	5789
4519	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F1B	2626	-13511	-17251
4520	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F2B	2626	-13511	-17251
4521	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F3B	2626	-13511	-17251
4522	LC121_ULS_NL3=Wind+Ice_Dir=-45	C1F4B	2626	-13511	-17251
4523	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F1B	2626	-13511	-17251
4524	LC121_ULS_NL3=Wind+Ice_Dir=-45	C2F2B	2626	-13511	-17251
4525	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F1B	2172	-12382	-15809
4526	LC121_ULS_NL3=Wind+Ice_Dir=-45	E1F2B	2172	-12382	-15809
4527	LC121_ULS_NL3=Wind+Ice_Dir=-45	E2F1B	1526	-5840	2898
4528	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5S	0	-675	-675
4529	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5X	0	-675	-675
4530	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5XY	0	-675	-675
4531	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd5Y	0	-675	-675
4532	LC121_ULS_NL3=Wind+Ice_Dir=-45	CP	0	-770	-770
4533	LC121_ULS_NL3=Wind+Ice_Dir=-45	CX	0	-770	-770
4534	LC121_ULS_NL3=Wind+Ice_Dir=-45	CXY	0	-770	-770
4535	LC121_ULS_NL3=Wind+Ice_Dir=-45	CY	0	-770	-770
4536	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10S	0	-390	-390
4537	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10X	0	-390	-390
4538	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10XY	0	-390	-390
4539	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd10Y	0	-390	-390
4540	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1P	0	-202	-202
4541	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1X	0	-202	-202
4542	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1XY	0	-202	-202
4543	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA2.1Y	0	-202	-202
4544	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12S	0	-229	-229
4545	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12X	0	-229	-229
4546	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12XY	0	-229	-229
4547	LC121_ULS_NL3=Wind+Ice_Dir=-45	Sd12Y	0	-229	-229
4548	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1P	0	-205	-205
4549	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1X	0	-205	-205
4550	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1XY	0	-205	-205
4551	LC121_ULS_NL3=Wind+Ice_Dir=-45	CA1.1Y	0	-205	-205
4552	LC121_ULS_NL3=Wind+Ice_Dir=-45	DP	0	-174	-174
4553	LC121_ULS_NL3=Wind+Ice_Dir=-45	DX	0	-174	-174
4554	LC121_ULS_NL3=Wind+Ice_Dir=-45	DXY	0	-174	-174
4555	LC121_ULS_NL3=Wind+Ice_Dir=-45	DY	0	-174	-174
4556	LC121_ULS_NL3=Wind+Ice_Dir=-45	TopP	0	-165	-165

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4557	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F1A	769	-2887	1466
4558	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F2A	769	-2887	1466
4559	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F3A	769	-741	2769
4560	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F4A	769	-741	2769
4561	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F1A	769	-2887	1466
4562	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F2A	769	-741	2769
4563	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F1A	544	-3186	1638
4564	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F2A	544	-855	3264
4565	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E2F1A	544	-855	3264
4566	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F1B	1095	-7215	-9222
4567	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F2B	1095	-7215	-9222
4568	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F3B	1095	-7215	-9222
4569	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C1F4B	1095	-7215	-9222
4570	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F1B	1095	-7215	-9222
4571	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	C2F2B	1095	-7215	-9222
4572	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F1B	775	-6061	-7747
4573	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E1F2B	775	-6061	-7747
4574	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	E2F1B	544	-3186	1638
4575	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5S	0	-450	-450
4576	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5X	0	-450	-450
4577	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5XY	0	-450	-450
4578	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd5Y	0	-450	-450
4579	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CP	0	-514	-514
4580	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CX	0	-514	-514
4581	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CXY	0	-514	-514
4582	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CY	0	-514	-514
4583	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10S	0	-260	-260
4584	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10X	0	-260	-260
4585	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10XY	0	-260	-260
4586	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd10Y	0	-260	-260
4587	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1P	0	-134	-134
4588	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1X	0	-134	-134
4589	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1XY	0	-134	-134
4590	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA2.1Y	0	-134	-134
4591	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12S	0	-153	-153
4592	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12X	0	-153	-153
4593	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12XY	0	-153	-153
4594	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	Sd12Y	0	-153	-153
4595	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1P	0	-137	-137
4596	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1X	0	-137	-137
4597	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1XY	0	-137	-137
4598	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	CA1.1Y	0	-137	-137
4599	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DP	0	-116	-116
4600	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DX	0	-116	-116
4601	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DXY	0	-116	-116
4602	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	DY	0	-116	-116
4603	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	TopP	0	-110	-110

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4604	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F1A	1154	-2930	1488
4605	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F2A	1154	-2930	1488
4606	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F3A	1154	-771	2890
4607	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F4A	1154	-771	2890
4608	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F1A	1154	-2930	1488
4609	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F2A	1154	-771	2890
4610	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F1A	817	-3003	1540
4611	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F2A	817	-783	2975
4612	LC123_ULS_NL6a=Cons+Main_Dir=-45	E2F1A	817	-783	2975
4613	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F1B	1642	-7994	-10218
4614	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F2B	1642	-7994	-10218
4615	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F3B	1642	-7994	-10218
4616	LC123_ULS_NL6a=Cons+Main_Dir=-45	C1F4B	1642	-7994	-10218
4617	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F1B	1642	-7994	-10218
4618	LC123_ULS_NL6a=Cons+Main_Dir=-45	C2F2B	1642	-7994	-10218
4619	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F1B	1162	-6633	-8479
4620	LC123_ULS_NL6a=Cons+Main_Dir=-45	E1F2B	1162	-6633	-8479
4621	LC123_ULS_NL6a=Cons+Main_Dir=-45	E2F1B	817	-3003	1540
4622	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5S	0	-450	-450
4623	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5X	0	-450	-450
4624	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5XY	0	-450	-450
4625	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd5Y	0	-450	-450
4626	LC123_ULS_NL6a=Cons+Main_Dir=-45	CP	0	-514	-514
4627	LC123_ULS_NL6a=Cons+Main_Dir=-45	CX	0	-514	-514
4628	LC123_ULS_NL6a=Cons+Main_Dir=-45	CXY	0	-514	-514
4629	LC123_ULS_NL6a=Cons+Main_Dir=-45	CY	0	-514	-514
4630	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10S	0	-260	-260
4631	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10X	0	-260	-260
4632	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10XY	0	-260	-260
4633	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd10Y	0	-260	-260
4634	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1P	0	-134	-134
4635	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1X	0	-134	-134
4636	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1XY	0	-134	-134
4637	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA2.1Y	0	-134	-134
4638	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12S	0	-153	-153
4639	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12X	0	-153	-153
4640	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12XY	0	-153	-153
4641	LC123_ULS_NL6a=Cons+Main_Dir=-45	Sd12Y	0	-153	-153
4642	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1P	0	-137	-137
4643	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1X	0	-137	-137
4644	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1XY	0	-137	-137
4645	LC123_ULS_NL6a=Cons+Main_Dir=-45	CA1.1Y	0	-137	-137
4646	LC123_ULS_NL6a=Cons+Main_Dir=-45	DP	0	-116	-116
4647	LC123_ULS_NL6a=Cons+Main_Dir=-45	DX	0	-116	-116
4648	LC123_ULS_NL6a=Cons+Main_Dir=-45	DXY	0	-116	-116
4649	LC123_ULS_NL6a=Cons+Main_Dir=-45	DY	0	-116	-116
4650	LC123_ULS_NL6a=Cons+Main_Dir=-45	TopP	0	-110	-110

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4651	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F1A	3104	-2930	1488
4652	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F2A	3104	-2930	1488
4653	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F3A	3104	-771	2890
4654	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F4A	3104	-771	2890
4655	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F1A	3104	-2930	1488
4656	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F2A	3104	-771	2890
4657	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F1A	2767	-3003	1540
4658	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F2A	2767	-783	2975
4659	LC124_ULS_NL6b=Linesmen_Dir=-45	E2F1A	2767	-783	2975
4660	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F1B	1642	-7994	-10218
4661	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F2B	1642	-7994	-10218
4662	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F3B	1642	-7994	-10218
4663	LC124_ULS_NL6b=Linesmen_Dir=-45	C1F4B	1642	-7994	-10218
4664	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F1B	1642	-7994	-10218
4665	LC124_ULS_NL6b=Linesmen_Dir=-45	C2F2B	1642	-7994	-10218
4666	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F1B	1162	-6633	-8479
4667	LC124_ULS_NL6b=Linesmen_Dir=-45	E1F2B	1162	-6633	-8479
4668	LC124_ULS_NL6b=Linesmen_Dir=-45	E2F1B	817	-3003	1540
4669	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5S	0	-450	-450
4670	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5X	0	-450	-450
4671	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5XY	0	-450	-450
4672	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd5Y	0	-450	-450
4673	LC124_ULS_NL6b=Linesmen_Dir=-45	CP	0	-514	-514
4674	LC124_ULS_NL6b=Linesmen_Dir=-45	CX	0	-514	-514
4675	LC124_ULS_NL6b=Linesmen_Dir=-45	CXY	0	-514	-514
4676	LC124_ULS_NL6b=Linesmen_Dir=-45	CY	0	-514	-514
4677	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10S	0	-260	-260
4678	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10X	0	-260	-260
4679	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10XY	0	-260	-260
4680	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd10Y	0	-260	-260
4681	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1P	0	-134	-134
4682	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1X	0	-134	-134
4683	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1XY	0	-134	-134
4684	LC124_ULS_NL6b=Linesmen_Dir=-45	CA2.1Y	0	-134	-134
4685	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12S	0	-153	-153
4686	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12X	0	-153	-153
4687	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12XY	0	-153	-153
4688	LC124_ULS_NL6b=Linesmen_Dir=-45	Sd12Y	0	-153	-153
4689	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1P	0	-137	-137
4690	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1X	0	-137	-137
4691	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1XY	0	-137	-137
4692	LC124_ULS_NL6b=Linesmen_Dir=-45	CA1.1Y	0	-137	-137
4693	LC124_ULS_NL6b=Linesmen_Dir=-45	DP	0	-116	-116
4694	LC124_ULS_NL6b=Linesmen_Dir=-45	DX	0	-116	-116
4695	LC124_ULS_NL6b=Linesmen_Dir=-45	DXY	0	-116	-116
4696	LC124_ULS_NL6b=Linesmen_Dir=-45	DY	0	-116	-116
4697	LC124_ULS_NL6b=Linesmen_Dir=-45	TopP	0	-110	-110

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4698	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F1A	0	0	0
4699	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F2A	0	0	0
4700	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F3A	769	-721	2326
4701	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F4A	769	-721	2326
4702	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F1A	0	0	0
4703	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F2A	769	-721	2326
4704	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F1A	0	0	0
4705	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F2A	544	-702	2356
4706	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E2F1A	544	-702	2356
4707	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F1B	1095	-6577	-8382
4708	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F2B	1095	-6577	-8382
4709	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F3B	1095	-6577	-8382
4710	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C1F4B	1095	-6577	-8382
4711	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F1B	1095	-6577	-8382
4712	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	C2F2B	1095	-6577	-8382
4713	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F1B	775	-5446	-6941
4714	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E1F2B	775	-5446	-6941
4715	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	E2F1B	0	0	0
4716	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5S	0	-1253	-1253
4717	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5X	0	-1253	-1253
4718	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5XY	0	-1253	-1253
4719	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd5Y	0	-1253	-1253
4720	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CP	0	-1431	-1431
4721	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CX	0	-1431	-1431
4722	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CXY	0	-1431	-1431
4723	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CY	0	-1431	-1431
4724	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10S	0	-724	-724
4725	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10X	0	-724	-724
4726	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10XY	0	-724	-724
4727	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd10Y	0	-724	-724
4728	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1P	0	-374	-374
4729	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1X	0	-374	-374
4730	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1XY	0	-374	-374
4731	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA2.1Y	0	-374	-374
4732	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12S	0	-425	-425
4733	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12X	0	-425	-425
4734	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12XY	0	-425	-425
4735	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	Sd12Y	0	-425	-425
4736	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1P	0	-381	-381
4737	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1X	0	-381	-381
4738	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1XY	0	-381	-381
4739	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	CA1.1Y	0	-381	-381
4740	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DP	0	-323	-323
4741	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DX	0	-323	-323
4742	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DXY	0	-323	-323
4743	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	DY	0	-323	-323
4744	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4745	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F1A	0	0	0
4746	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F2A	0	0	0
4747	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F3A	1051	-1436	5196
4748	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F4A	1051	-1436	5196
4749	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F1A	0	0	0
4750	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F2A	1051	-1436	5196
4751	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F1A	0	0	0
4752	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F2A	801	-1574	5794
4753	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E2F1A	801	-1574	5794
4754	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F1B	1495	-13508	-17254
4755	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F2B	1495	-13508	-17254
4756	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F3B	1495	-13508	-17254
4757	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C1F4B	1495	-13508	-17254
4758	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F1B	1495	-13508	-17254
4759	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	C2F2B	1495	-13508	-17254
4760	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F1B	1140	-12379	-15811
4761	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E1F2B	1140	-12379	-15811
4762	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	E2F1B	0	0	0
4763	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5S	0	-578	-578
4764	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5X	0	-578	-578
4765	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5XY	0	-578	-578
4766	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd5Y	0	-578	-578
4767	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CP	0	-660	-660
4768	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CX	0	-660	-660
4769	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CXY	0	-660	-660
4770	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CY	0	-660	-660
4771	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10S	0	-334	-334
4772	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10X	0	-334	-334
4773	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10XY	0	-334	-334
4774	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd10Y	0	-334	-334
4775	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1P	0	-173	-173
4776	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1X	0	-173	-173
4777	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1XY	0	-173	-173
4778	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA2.1Y	0	-173	-173
4779	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12S	0	-196	-196
4780	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12X	0	-196	-196
4781	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12XY	0	-196	-196
4782	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	Sd12Y	0	-196	-196
4783	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1P	0	-176	-176
4784	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1X	0	-176	-176
4785	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1XY	0	-176	-176
4786	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	CA1.1Y	0	-176	-176
4787	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DP	0	-149	-149
4788	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DX	0	-149	-149
4789	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DXY	0	-149	-149
4790	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	DY	0	-149	-149
4791	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4792	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F1A	0	0	0
4793	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F2A	0	0	0
4794	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F3A	769	-734	2771
4795	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F4A	769	-734	2771
4796	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F1A	0	0	0
4797	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F2A	769	-734	2771
4798	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F1A	0	0	0
4799	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F2A	544	-850	3266
4800	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E2F1A	544	-850	3266
4801	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F1B	1095	-7214	-9223
4802	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F2B	1095	-7214	-9223
4803	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F3B	1095	-7214	-9223
4804	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C1F4B	1095	-7214	-9223
4805	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F1B	1095	-7214	-9223
4806	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	C2F2B	1095	-7214	-9223
4807	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F1B	775	-6060	-7748
4808	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E1F2B	775	-6060	-7748
4809	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	E2F1B	0	0	0
4810	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5S	0	-385	-385
4811	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5X	0	-385	-385
4812	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5XY	0	-385	-385
4813	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd5Y	0	-385	-385
4814	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CP	0	-440	-440
4815	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CX	0	-440	-440
4816	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CXY	0	-440	-440
4817	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CY	0	-440	-440
4818	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10S	0	-223	-223
4819	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10X	0	-223	-223
4820	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10XY	0	-223	-223
4821	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd10Y	0	-223	-223
4822	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1P	0	-115	-115
4823	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1X	0	-115	-115
4824	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1XY	0	-115	-115
4825	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA2.1Y	0	-115	-115
4826	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12S	0	-131	-131
4827	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12X	0	-131	-131
4828	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12XY	0	-131	-131
4829	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	Sd12Y	0	-131	-131
4830	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1P	0	-117	-117
4831	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1X	0	-117	-117
4832	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1XY	0	-117	-117
4833	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	CA1.1Y	0	-117	-117
4834	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DP	0	-99	-99
4835	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DX	0	-99	-99
4836	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DXY	0	-99	-99
4837	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	DY	0	-99	-99
4838	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4839	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F1A	0	0	0
4840	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F2A	0	0	0
4841	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F3A	1154	-764	2891
4842	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F4A	1154	-764	2891
4843	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F1A	0	0	0
4844	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F2A	1154	-764	2891
4845	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F1A	0	0	0
4846	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F2A	817	-777	2976
4847	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E2F1A	817	-777	2976
4848	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F1B	1642	-7993	-10219
4849	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F2B	1642	-7993	-10219
4850	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F3B	1642	-7993	-10219
4851	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C1F4B	1642	-7993	-10219
4852	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F1B	1642	-7993	-10219
4853	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	C2F2B	1642	-7993	-10219
4854	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F1B	1162	-6632	-8480
4855	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E1F2B	1162	-6632	-8480
4856	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	E2F1B	0	0	0
4857	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5S	0	-385	-385
4858	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5X	0	-385	-385
4859	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5XY	0	-385	-385
4860	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd5Y	0	-385	-385
4861	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CP	0	-440	-440
4862	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CX	0	-440	-440
4863	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CXY	0	-440	-440
4864	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CY	0	-440	-440
4865	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10S	0	-223	-223
4866	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10X	0	-223	-223
4867	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10XY	0	-223	-223
4868	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd10Y	0	-223	-223
4869	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1P	0	-115	-115
4870	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1X	0	-115	-115
4871	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1XY	0	-115	-115
4872	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA2.1Y	0	-115	-115
4873	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12S	0	-131	-131
4874	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12X	0	-131	-131
4875	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12XY	0	-131	-131
4876	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	Sd12Y	0	-131	-131
4877	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1P	0	-117	-117
4878	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1X	0	-117	-117
4879	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1XY	0	-117	-117
4880	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	CA1.1Y	0	-117	-117
4881	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DP	0	-99	-99
4882	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DX	0	-99	-99
4883	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DXY	0	-99	-99
4884	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	DY	0	-99	-99
4885	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4886	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F1A	1800	0	0
4887	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F2A	1800	0	0
4888	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F3A	2954	-764	2891
4889	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F4A	2954	-764	2891
4890	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F1A	1800	0	0
4891	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F2A	2954	-764	2891
4892	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F1A	1800	0	0
4893	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F2A	2617	-777	2976
4894	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E2F1A	2617	-777	2976
4895	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F1B	1642	-7993	-10219
4896	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F2B	1642	-7993	-10219
4897	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F3B	1642	-7993	-10219
4898	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C1F4B	1642	-7993	-10219
4899	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F1B	1642	-7993	-10219
4900	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	C2F2B	1642	-7993	-10219
4901	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F1B	1162	-6632	-8480
4902	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E1F2B	1162	-6632	-8480
4903	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	E2F1B	0	0	0
4904	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5S	0	-385	-385
4905	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5X	0	-385	-385
4906	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5XY	0	-385	-385
4907	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd5Y	0	-385	-385
4908	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CP	0	-440	-440
4909	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CX	0	-440	-440
4910	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CXY	0	-440	-440
4911	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CY	0	-440	-440
4912	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10S	0	-223	-223
4913	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10X	0	-223	-223
4914	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10XY	0	-223	-223
4915	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd10Y	0	-223	-223
4916	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1P	0	-115	-115
4917	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1X	0	-115	-115
4918	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1XY	0	-115	-115
4919	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA2.1Y	0	-115	-115
4920	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12S	0	-131	-131
4921	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12X	0	-131	-131
4922	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12XY	0	-131	-131
4923	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	Sd12Y	0	-131	-131
4924	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1P	0	-117	-117
4925	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1X	0	-117	-117
4926	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1XY	0	-117	-117
4927	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	CA1.1Y	0	-117	-117
4928	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DP	0	-99	-99
4929	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DX	0	-99	-99
4930	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DXY	0	-99	-99
4931	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	DY	0	-99	-99
4932	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4933	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F1A	769	-2429	1098
4934	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F2A	769	-2429	1098
4935	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F3A	0	0	0
4936	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F4A	0	0	0
4937	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F1A	769	-2429	1098
4938	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F2A	0	0	0
4939	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F1A	544	-2453	1148
4940	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F2A	0	0	0
4941	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E2F1A	0	0	0
4942	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F1B	1095	-6577	-8382
4943	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F2B	1095	-6577	-8382
4944	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F3B	1095	-6577	-8382
4945	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C1F4B	1095	-6577	-8382
4946	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F1B	1095	-6577	-8382
4947	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	C2F2B	1095	-6577	-8382
4948	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F1B	775	-5446	-6941
4949	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E1F2B	775	-5446	-6941
4950	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	E2F1B	544	-2453	1148
4951	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5S	0	-1253	-1253
4952	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5X	0	-1253	-1253
4953	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5XY	0	-1253	-1253
4954	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd5Y	0	-1253	-1253
4955	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CP	0	-1431	-1431
4956	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CX	0	-1431	-1431
4957	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CXY	0	-1431	-1431
4958	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CY	0	-1431	-1431
4959	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10S	0	-724	-724
4960	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10X	0	-724	-724
4961	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10XY	0	-724	-724
4962	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd10Y	0	-724	-724
4963	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1P	0	-374	-374
4964	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1X	0	-374	-374
4965	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1XY	0	-374	-374
4966	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA2.1Y	0	-374	-374
4967	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12S	0	-425	-425
4968	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12X	0	-425	-425
4969	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12XY	0	-425	-425
4970	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	Sd12Y	0	-425	-425
4971	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1P	0	-381	-381
4972	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1X	0	-381	-381
4973	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1XY	0	-381	-381
4974	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	CA1.1Y	0	-381	-381
4975	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DP	0	-323	-323
4976	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DX	0	-323	-323
4977	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DXY	0	-323	-323
4978	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	DY	0	-323	-323
4979	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
4980	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F1A	1051	-5258	2604
4981	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F2A	1051	-5258	2604
4982	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F3A	0	0	0
4983	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F4A	0	0	0
4984	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F1A	1051	-5258	2604
4985	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F2A	0	0	0
4986	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F1A	801	-5828	2921
4987	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F2A	0	0	0
4988	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E2F1A	0	0	0
4989	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F1B	1495	-13508	-17254
4990	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F2B	1495	-13508	-17254
4991	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F3B	1495	-13508	-17254
4992	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C1F4B	1495	-13508	-17254
4993	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F1B	1495	-13508	-17254
4994	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	C2F2B	1495	-13508	-17254
4995	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F1B	1140	-12379	-15811
4996	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E1F2B	1140	-12379	-15811
4997	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	E2F1B	801	-5828	2921
4998	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5S	0	-578	-578
4999	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5X	0	-578	-578
5000	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5XY	0	-578	-578
5001	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd5Y	0	-578	-578
5002	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CP	0	-660	-660
5003	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CX	0	-660	-660
5004	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CXY	0	-660	-660
5005	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CY	0	-660	-660
5006	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10S	0	-334	-334
5007	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10X	0	-334	-334
5008	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10XY	0	-334	-334
5009	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd10Y	0	-334	-334
5010	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1P	0	-173	-173
5011	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1X	0	-173	-173
5012	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1XY	0	-173	-173
5013	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA2.1Y	0	-173	-173
5014	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12S	0	-196	-196
5015	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12X	0	-196	-196
5016	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12XY	0	-196	-196
5017	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	Sd12Y	0	-196	-196
5018	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1P	0	-176	-176
5019	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1X	0	-176	-176
5020	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1XY	0	-176	-176
5021	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	CA1.1Y	0	-176	-176
5022	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DP	0	-149	-149
5023	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DX	0	-149	-149
5024	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DXY	0	-149	-149
5025	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	DY	0	-149	-149
5026	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5027	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F1A	769	-2883	1473
5028	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F2A	769	-2883	1473
5029	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F3A	0	0	0
5030	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F4A	0	0	0
5031	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F1A	769	-2883	1473
5032	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F2A	0	0	0
5033	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F1A	544	-3183	1644
5034	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F2A	0	0	0
5035	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E2F1A	0	0	0
5036	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F1B	1095	-7214	-9223
5037	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F2B	1095	-7214	-9223
5038	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F3B	1095	-7214	-9223
5039	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C1F4B	1095	-7214	-9223
5040	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F1B	1095	-7214	-9223
5041	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	C2F2B	1095	-7214	-9223
5042	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F1B	775	-6060	-7748
5043	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E1F2B	775	-6060	-7748
5044	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	E2F1B	544	-3183	1644
5045	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5S	0	-385	-385
5046	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5X	0	-385	-385
5047	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5XY	0	-385	-385
5048	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd5Y	0	-385	-385
5049	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CP	0	-440	-440
5050	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CX	0	-440	-440
5051	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CXY	0	-440	-440
5052	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CY	0	-440	-440
5053	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10S	0	-223	-223
5054	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10X	0	-223	-223
5055	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10XY	0	-223	-223
5056	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd10Y	0	-223	-223
5057	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1P	0	-115	-115
5058	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1X	0	-115	-115
5059	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1XY	0	-115	-115
5060	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA2.1Y	0	-115	-115
5061	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12S	0	-131	-131
5062	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12X	0	-131	-131
5063	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12XY	0	-131	-131
5064	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	Sd12Y	0	-131	-131
5065	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1P	0	-117	-117
5066	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1X	0	-117	-117
5067	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1XY	0	-117	-117
5068	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	CA1.1Y	0	-117	-117
5069	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DP	0	-99	-99
5070	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DX	0	-99	-99
5071	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DXY	0	-99	-99
5072	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	DY	0	-99	-99
5073	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5074	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F1A	1154	-2926	1496
5075	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F2A	1154	-2926	1496
5076	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F3A	0	0	0
5077	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F4A	0	0	0
5078	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F1A	1154	-2926	1496
5079	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F2A	0	0	0
5080	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F1A	817	-2999	1547
5081	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F2A	0	0	0
5082	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E2F1A	0	0	0
5083	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F1B	1642	-7993	-10219
5084	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F2B	1642	-7993	-10219
5085	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F3B	1642	-7993	-10219
5086	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C1F4B	1642	-7993	-10219
5087	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F1B	1642	-7993	-10219
5088	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	C2F2B	1642	-7993	-10219
5089	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F1B	1162	-6632	-8480
5090	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E1F2B	1162	-6632	-8480
5091	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	E2F1B	817	-2999	1547
5092	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5S	0	-385	-385
5093	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5X	0	-385	-385
5094	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5XY	0	-385	-385
5095	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd5Y	0	-385	-385
5096	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CP	0	-440	-440
5097	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CX	0	-440	-440
5098	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CXY	0	-440	-440
5099	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CY	0	-440	-440
5100	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10S	0	-223	-223
5101	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10X	0	-223	-223
5102	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10XY	0	-223	-223
5103	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd10Y	0	-223	-223
5104	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1P	0	-115	-115
5105	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1X	0	-115	-115
5106	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1XY	0	-115	-115
5107	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA2.1Y	0	-115	-115
5108	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12S	0	-131	-131
5109	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12X	0	-131	-131
5110	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12XY	0	-131	-131
5111	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	Sd12Y	0	-131	-131
5112	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1P	0	-117	-117
5113	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1X	0	-117	-117
5114	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1XY	0	-117	-117
5115	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	CA1.1Y	0	-117	-117
5116	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DP	0	-99	-99
5117	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DX	0	-99	-99
5118	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DXY	0	-99	-99
5119	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	DY	0	-99	-99
5120	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5121	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F1A	2954	-2926	1496
5122	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F2A	2954	-2926	1496
5123	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F3A	1800	0	0
5124	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F4A	1800	0	0
5125	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F1A	2954	-2926	1496
5126	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F2A	1800	0	0
5127	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F1A	2617	-2999	1547
5128	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F2A	1800	0	0
5129	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E2F1A	1800	0	0
5130	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F1B	1642	-7993	-10219
5131	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F2B	1642	-7993	-10219
5132	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F3B	1642	-7993	-10219
5133	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C1F4B	1642	-7993	-10219
5134	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F1B	1642	-7993	-10219
5135	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	C2F2B	1642	-7993	-10219
5136	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F1B	1162	-6632	-8480
5137	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E1F2B	1162	-6632	-8480
5138	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	E2F1B	817	-2999	1547
5139	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5S	0	-385	-385
5140	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5X	0	-385	-385
5141	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5XY	0	-385	-385
5142	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd5Y	0	-385	-385
5143	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CP	0	-440	-440
5144	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CX	0	-440	-440
5145	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CXY	0	-440	-440
5146	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CY	0	-440	-440
5147	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10S	0	-223	-223
5148	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10X	0	-223	-223
5149	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10XY	0	-223	-223
5150	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd10Y	0	-223	-223
5151	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1P	0	-115	-115
5152	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1X	0	-115	-115
5153	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1XY	0	-115	-115
5154	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA2.1Y	0	-115	-115
5155	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12S	0	-131	-131
5156	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12X	0	-131	-131
5157	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12XY	0	-131	-131
5158	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	Sd12Y	0	-131	-131
5159	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1P	0	-117	-117
5160	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1X	0	-117	-117
5161	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1XY	0	-117	-117
5162	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	CA1.1Y	0	-117	-117
5163	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DP	0	-99	-99
5164	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DX	0	-99	-99
5165	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DXY	0	-99	-99
5166	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	DY	0	-99	-99
5167	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5168	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F1A	769	-2429	1098
5169	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F2A	769	-2429	1098
5170	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F3A	769	-721	2326
5171	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F4A	769	-721	2326
5172	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F1A	769	-2429	1098
5173	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F2A	769	-721	2326
5174	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F1A	544	-2453	1148
5175	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F2A	544	-702	2356
5176	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E2F1A	544	-702	2356
5177	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F1B	0	0	0
5178	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F2B	0	0	0
5179	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F3B	1095	-6577	-8382
5180	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C1F4B	1095	-6577	-8382
5181	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F1B	0	0	0
5182	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	C2F2B	1095	-6577	-8382
5183	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F1B	0	0	0
5184	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E1F2B	775	-5446	-6941
5185	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	E2F1B	544	-2453	1148
5186	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5S	0	-1253	-1253
5187	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5X	0	-1253	-1253
5188	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5XY	0	-1253	-1253
5189	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd5Y	0	-1253	-1253
5190	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CP	0	-1431	-1431
5191	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CX	0	-1431	-1431
5192	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CXY	0	-1431	-1431
5193	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CY	0	-1431	-1431
5194	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10S	0	-724	-724
5195	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10X	0	-724	-724
5196	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10XY	0	-724	-724
5197	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd10Y	0	-724	-724
5198	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1P	0	-374	-374
5199	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1X	0	-374	-374
5200	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1XY	0	-374	-374
5201	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA2.1Y	0	-374	-374
5202	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12S	0	-425	-425
5203	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12X	0	-425	-425
5204	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12XY	0	-425	-425
5205	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	Sd12Y	0	-425	-425
5206	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1P	0	-381	-381
5207	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1X	0	-381	-381
5208	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1XY	0	-381	-381
5209	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	CA1.1Y	0	-381	-381
5210	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DP	0	-323	-323
5211	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DX	0	-323	-323
5212	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DXY	0	-323	-323
5213	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	DY	0	-323	-323
5214	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5215	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F1A	1051	-5258	2604
5216	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F2A	1051	-5258	2604
5217	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F3A	1051	-1436	5196
5218	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F4A	1051	-1436	5196
5219	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F1A	1051	-5258	2604
5220	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F2A	1051	-1436	5196
5221	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F1A	801	-5828	2921
5222	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F2A	801	-1574	5794
5223	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E2F1A	801	-1574	5794
5224	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F1B	0	0	0
5225	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F2B	0	0	0
5226	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F3B	1495	-13508	-17254
5227	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C1F4B	1495	-13508	-17254
5228	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F1B	0	0	0
5229	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	C2F2B	1495	-13508	-17254
5230	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F1B	0	0	0
5231	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E1F2B	1140	-12379	-15811
5232	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	E2F1B	801	-5828	2921
5233	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5S	0	-578	-578
5234	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5X	0	-578	-578
5235	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5XY	0	-578	-578
5236	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd5Y	0	-578	-578
5237	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CP	0	-660	-660
5238	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CX	0	-660	-660
5239	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CXY	0	-660	-660
5240	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CY	0	-660	-660
5241	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10S	0	-334	-334
5242	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10X	0	-334	-334
5243	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10XY	0	-334	-334
5244	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd10Y	0	-334	-334
5245	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1P	0	-173	-173
5246	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1X	0	-173	-173
5247	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1XY	0	-173	-173
5248	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA2.1Y	0	-173	-173
5249	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12S	0	-196	-196
5250	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12X	0	-196	-196
5251	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12XY	0	-196	-196
5252	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	Sd12Y	0	-196	-196
5253	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1P	0	-176	-176
5254	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1X	0	-176	-176
5255	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1XY	0	-176	-176
5256	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	CA1.1Y	0	-176	-176
5257	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DP	0	-149	-149
5258	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DX	0	-149	-149
5259	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DXY	0	-149	-149
5260	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	DY	0	-149	-149
5261	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5262	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F1A	769	-2883	1473
5263	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F2A	769	-2883	1473
5264	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F3A	769	-734	2771
5265	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F4A	769	-734	2771
5266	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F1A	769	-2883	1473
5267	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F2A	769	-734	2771
5268	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F1A	544	-3183	1644
5269	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F2A	544	-850	3266
5270	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E2F1A	544	-850	3266
5271	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F1B	0	0	0
5272	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F2B	0	0	0
5273	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F3B	1095	-7214	-9223
5274	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C1F4B	1095	-7214	-9223
5275	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F1B	0	0	0
5276	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	C2F2B	1095	-7214	-9223
5277	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F1B	0	0	0
5278	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E1F2B	775	-6060	-7748
5279	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	E2F1B	544	-3183	1644
5280	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5S	0	-385	-385
5281	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5X	0	-385	-385
5282	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5XY	0	-385	-385
5283	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd5Y	0	-385	-385
5284	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CP	0	-440	-440
5285	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CX	0	-440	-440
5286	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CXY	0	-440	-440
5287	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CY	0	-440	-440
5288	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10S	0	-223	-223
5289	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10X	0	-223	-223
5290	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10XY	0	-223	-223
5291	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd10Y	0	-223	-223
5292	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1P	0	-115	-115
5293	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1X	0	-115	-115
5294	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1XY	0	-115	-115
5295	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA2.1Y	0	-115	-115
5296	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12S	0	-131	-131
5297	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12X	0	-131	-131
5298	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12XY	0	-131	-131
5299	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	Sd12Y	0	-131	-131
5300	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1P	0	-117	-117
5301	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1X	0	-117	-117
5302	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1XY	0	-117	-117
5303	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	CA1.1Y	0	-117	-117
5304	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DP	0	-99	-99
5305	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DX	0	-99	-99
5306	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DXY	0	-99	-99
5307	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	DY	0	-99	-99
5308	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5309	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F1A	1154	-2926	1496
5310	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F2A	1154	-2926	1496
5311	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F3A	1154	-764	2891
5312	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F4A	1154	-764	2891
5313	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F1A	1154	-2926	1496
5314	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F2A	1154	-764	2891
5315	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F1A	817	-2999	1547
5316	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F2A	817	-777	2976
5317	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E2F1A	817	-777	2976
5318	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F1B	0	0	0
5319	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F2B	0	0	0
5320	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F3B	1642	-7993	-10219
5321	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C1F4B	1642	-7993	-10219
5322	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F1B	0	0	0
5323	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	C2F2B	1642	-7993	-10219
5324	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F1B	0	0	0
5325	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E1F2B	1162	-6632	-8480
5326	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	E2F1B	817	-2999	1547
5327	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5S	0	-385	-385
5328	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5X	0	-385	-385
5329	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5XY	0	-385	-385
5330	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd5Y	0	-385	-385
5331	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CP	0	-440	-440
5332	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CX	0	-440	-440
5333	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CXY	0	-440	-440
5334	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CY	0	-440	-440
5335	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10S	0	-223	-223
5336	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10X	0	-223	-223
5337	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10XY	0	-223	-223
5338	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd10Y	0	-223	-223
5339	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1P	0	-115	-115
5340	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1X	0	-115	-115
5341	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1XY	0	-115	-115
5342	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA2.1Y	0	-115	-115
5343	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12S	0	-131	-131
5344	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12X	0	-131	-131
5345	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12XY	0	-131	-131
5346	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	Sd12Y	0	-131	-131
5347	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1P	0	-117	-117
5348	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1X	0	-117	-117
5349	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1XY	0	-117	-117
5350	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	CA1.1Y	0	-117	-117
5351	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DP	0	-99	-99
5352	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DX	0	-99	-99
5353	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DXY	0	-99	-99
5354	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	DY	0	-99	-99
5355	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5356	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F1A	2954	-2926	1496
5357	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F2A	2954	-2926	1496
5358	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F3A	2954	-764	2891
5359	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F4A	2954	-764	2891
5360	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F1A	2954	-2926	1496
5361	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F2A	2954	-764	2891
5362	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F1A	2617	-2999	1547
5363	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F2A	2617	-777	2976
5364	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E2F1A	2617	-777	2976
5365	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F1B	0	0	0
5366	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F2B	0	0	0
5367	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F3B	1642	-7993	-10219
5368	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C1F4B	1642	-7993	-10219
5369	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F1B	0	0	0
5370	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	C2F2B	1642	-7993	-10219
5371	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F1B	0	0	0
5372	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E1F2B	1162	-6632	-8480
5373	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	E2F1B	817	-2999	1547
5374	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5S	0	-385	-385
5375	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5X	0	-385	-385
5376	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5XY	0	-385	-385
5377	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd5Y	0	-385	-385
5378	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CP	0	-440	-440
5379	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CX	0	-440	-440
5380	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CXY	0	-440	-440
5381	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CY	0	-440	-440
5382	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10S	0	-223	-223
5383	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10X	0	-223	-223
5384	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10XY	0	-223	-223
5385	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd10Y	0	-223	-223
5386	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1P	0	-115	-115
5387	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1X	0	-115	-115
5388	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1XY	0	-115	-115
5389	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA2.1Y	0	-115	-115
5390	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12S	0	-131	-131
5391	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12X	0	-131	-131
5392	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12XY	0	-131	-131
5393	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	Sd12Y	0	-131	-131
5394	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1P	0	-117	-117
5395	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1X	0	-117	-117
5396	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1XY	0	-117	-117
5397	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	CA1.1Y	0	-117	-117
5398	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DP	0	-99	-99
5399	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DX	0	-99	-99
5400	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DXY	0	-99	-99
5401	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	DY	0	-99	-99
5402	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5403	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F1A	769	-2429	1098
5404	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F2A	769	-2429	1098
5405	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F3A	769	-721	2326
5406	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F4A	769	-721	2326
5407	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F1A	769	-2429	1098
5408	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F2A	769	-721	2326
5409	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F1A	544	-2453	1148
5410	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F2A	544	-702	2356
5411	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E2F1A	544	-702	2356
5412	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F1B	1095	-6577	-8382
5413	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F2B	1095	-6577	-8382
5414	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F3B	0	0	0
5415	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C1F4B	0	0	0
5416	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F1B	1095	-6577	-8382
5417	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	C2F2B	0	0	0
5418	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F1B	775	-5446	-6941
5419	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E1F2B	0	0	0
5420	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	E2F1B	544	-2453	1148
5421	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5S	0	-1253	-1253
5422	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5X	0	-1253	-1253
5423	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5XY	0	-1253	-1253
5424	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd5Y	0	-1253	-1253
5425	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CP	0	-1431	-1431
5426	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CX	0	-1431	-1431
5427	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CXY	0	-1431	-1431
5428	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CY	0	-1431	-1431
5429	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10S	0	-724	-724
5430	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10X	0	-724	-724
5431	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10XY	0	-724	-724
5432	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd10Y	0	-724	-724
5433	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1P	0	-374	-374
5434	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1X	0	-374	-374
5435	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1XY	0	-374	-374
5436	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA2.1Y	0	-374	-374
5437	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12S	0	-425	-425
5438	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12X	0	-425	-425
5439	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12XY	0	-425	-425
5440	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	Sd12Y	0	-425	-425
5441	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1P	0	-381	-381
5442	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1X	0	-381	-381
5443	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1XY	0	-381	-381
5444	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	CA1.1Y	0	-381	-381
5445	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DP	0	-323	-323
5446	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DX	0	-323	-323
5447	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DXY	0	-323	-323
5448	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	DY	0	-323	-323
5449	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5450	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F1A	1051	-5258	2604
5451	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F2A	1051	-5258	2604
5452	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F3A	1051	-1436	5196
5453	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F4A	1051	-1436	5196
5454	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F1A	1051	-5258	2604
5455	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F2A	1051	-1436	5196
5456	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F1A	801	-5828	2921
5457	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F2A	801	-1574	5794
5458	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E2F1A	801	-1574	5794
5459	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F1B	1495	-13508	-17254
5460	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F2B	1495	-13508	-17254
5461	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F3B	0	0	0
5462	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C1F4B	0	0	0
5463	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F1B	1495	-13508	-17254
5464	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	C2F2B	0	0	0
5465	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F1B	1140	-12379	-15811
5466	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E1F2B	0	0	0
5467	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	E2F1B	801	-5828	2921
5468	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5S	0	-578	-578
5469	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5X	0	-578	-578
5470	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5XY	0	-578	-578
5471	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd5Y	0	-578	-578
5472	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CP	0	-660	-660
5473	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CX	0	-660	-660
5474	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CXY	0	-660	-660
5475	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CY	0	-660	-660
5476	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10S	0	-334	-334
5477	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10X	0	-334	-334
5478	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10XY	0	-334	-334
5479	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd10Y	0	-334	-334
5480	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1P	0	-173	-173
5481	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1X	0	-173	-173
5482	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1XY	0	-173	-173
5483	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA2.1Y	0	-173	-173
5484	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12S	0	-196	-196
5485	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12X	0	-196	-196
5486	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12XY	0	-196	-196
5487	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	Sd12Y	0	-196	-196
5488	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1P	0	-176	-176
5489	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1X	0	-176	-176
5490	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1XY	0	-176	-176
5491	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	CA1.1Y	0	-176	-176
5492	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DP	0	-149	-149
5493	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DX	0	-149	-149
5494	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DXY	0	-149	-149
5495	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	DY	0	-149	-149
5496	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5497	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F1A	769	-2883	1473
5498	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F2A	769	-2883	1473
5499	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F3A	769	-734	2771
5500	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F4A	769	-734	2771
5501	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F1A	769	-2883	1473
5502	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F2A	769	-734	2771
5503	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F1A	544	-3183	1644
5504	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F2A	544	-850	3266
5505	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E2F1A	544	-850	3266
5506	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F1B	1095	-7214	-9223
5507	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F2B	1095	-7214	-9223
5508	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F3B	0	0	0
5509	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C1F4B	0	0	0
5510	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F1B	1095	-7214	-9223
5511	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	C2F2B	0	0	0
5512	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F1B	775	-6060	-7748
5513	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E1F2B	0	0	0
5514	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	E2F1B	544	-3183	1644
5515	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5S	0	-385	-385
5516	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5X	0	-385	-385
5517	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5XY	0	-385	-385
5518	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd5Y	0	-385	-385
5519	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CP	0	-440	-440
5520	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CX	0	-440	-440
5521	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CXY	0	-440	-440
5522	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CY	0	-440	-440
5523	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10S	0	-223	-223
5524	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10X	0	-223	-223
5525	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10XY	0	-223	-223
5526	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd10Y	0	-223	-223
5527	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1P	0	-115	-115
5528	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1X	0	-115	-115
5529	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1XY	0	-115	-115
5530	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA2.1Y	0	-115	-115
5531	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12S	0	-131	-131
5532	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12X	0	-131	-131
5533	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12XY	0	-131	-131
5534	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	Sd12Y	0	-131	-131
5535	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1P	0	-117	-117
5536	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1X	0	-117	-117
5537	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1XY	0	-117	-117
5538	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	CA1.1Y	0	-117	-117
5539	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DP	0	-99	-99
5540	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DX	0	-99	-99
5541	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DXY	0	-99	-99
5542	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	DY	0	-99	-99
5543	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5544	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F1A	1154	-2926	1496
5545	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F2A	1154	-2926	1496
5546	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F3A	1154	-764	2891
5547	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F4A	1154	-764	2891
5548	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F1A	1154	-2926	1496
5549	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F2A	1154	-764	2891
5550	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F1A	817	-2999	1547
5551	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F2A	817	-777	2976
5552	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E2F1A	817	-777	2976
5553	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F1B	1642	-7993	-10219
5554	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F2B	1642	-7993	-10219
5555	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F3B	0	0	0
5556	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C1F4B	0	0	0
5557	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F1B	1642	-7993	-10219
5558	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	C2F2B	0	0	0
5559	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F1B	1162	-6632	-8480
5560	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E1F2B	0	0	0
5561	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	E2F1B	817	-2999	1547
5562	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5S	0	-385	-385
5563	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5X	0	-385	-385
5564	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5XY	0	-385	-385
5565	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd5Y	0	-385	-385
5566	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CP	0	-440	-440
5567	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CX	0	-440	-440
5568	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CXY	0	-440	-440
5569	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CY	0	-440	-440
5570	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10S	0	-223	-223
5571	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10X	0	-223	-223
5572	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10XY	0	-223	-223
5573	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd10Y	0	-223	-223
5574	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1P	0	-115	-115
5575	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1X	0	-115	-115
5576	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1XY	0	-115	-115
5577	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA2.1Y	0	-115	-115
5578	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12S	0	-131	-131
5579	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12X	0	-131	-131
5580	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12XY	0	-131	-131
5581	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	Sd12Y	0	-131	-131
5582	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1P	0	-117	-117
5583	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1X	0	-117	-117
5584	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1XY	0	-117	-117
5585	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	CA1.1Y	0	-117	-117
5586	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DP	0	-99	-99
5587	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DX	0	-99	-99
5588	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DXY	0	-99	-99
5589	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	DY	0	-99	-99
5590	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5591	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F1A	2954	-2926	1496
5592	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F2A	2954	-2926	1496
5593	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F3A	2954	-764	2891
5594	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F4A	2954	-764	2891
5595	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F1A	2954	-2926	1496
5596	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F2A	2954	-764	2891
5597	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F1A	2617	-2999	1547
5598	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F2A	2617	-777	2976
5599	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E2F1A	2617	-777	2976
5600	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F1B	1642	-7993	-10219
5601	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F2B	1642	-7993	-10219
5602	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F3B	0	0	0
5603	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C1F4B	0	0	0
5604	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F1B	1642	-7993	-10219
5605	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	C2F2B	0	0	0
5606	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F1B	1162	-6632	-8480
5607	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E1F2B	0	0	0
5608	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	E2F1B	817	-2999	1547
5609	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5S	0	-385	-385
5610	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5X	0	-385	-385
5611	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5XY	0	-385	-385
5612	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd5Y	0	-385	-385
5613	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CP	0	-440	-440
5614	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CX	0	-440	-440
5615	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CXY	0	-440	-440
5616	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CY	0	-440	-440
5617	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10S	0	-223	-223
5618	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10X	0	-223	-223
5619	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10XY	0	-223	-223
5620	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd10Y	0	-223	-223
5621	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1P	0	-115	-115
5622	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1X	0	-115	-115
5623	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1XY	0	-115	-115
5624	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA2.1Y	0	-115	-115
5625	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12S	0	-131	-131
5626	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12X	0	-131	-131
5627	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12XY	0	-131	-131
5628	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	Sd12Y	0	-131	-131
5629	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1P	0	-117	-117
5630	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1X	0	-117	-117
5631	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1XY	0	-117	-117
5632	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	CA1.1Y	0	-117	-117
5633	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DP	0	-99	-99
5634	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DX	0	-99	-99
5635	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DXY	0	-99	-99
5636	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	DY	0	-99	-99
5637	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5638	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F1A	0	0	0
5639	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F2A	0	0	0
5640	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F3A	0	0	0
5641	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F4A	0	0	0
5642	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F1A	0	0	0
5643	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F2A	0	0	0
5644	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F1A	0	0	0
5645	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F2A	0	0	0
5646	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E2F1A	0	0	0
5647	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F1B	1095	-6577	-8382
5648	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F2B	1095	-6577	-8382
5649	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F3B	1095	-6577	-8382
5650	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C1F4B	1095	-6577	-8382
5651	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F1B	1095	-6577	-8382
5652	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	C2F2B	1095	-6577	-8382
5653	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F1B	775	-5446	-6941
5654	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E1F2B	775	-5446	-6941
5655	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	E2F1B	0	0	0
5656	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5S	0	-1253	-1253
5657	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5X	0	-1253	-1253
5658	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5XY	0	-1253	-1253
5659	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd5Y	0	-1253	-1253
5660	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CP	0	-1431	-1431
5661	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CX	0	-1431	-1431
5662	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CXY	0	-1431	-1431
5663	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CY	0	-1431	-1431
5664	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10S	0	-724	-724
5665	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10X	0	-724	-724
5666	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10XY	0	-724	-724
5667	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd10Y	0	-724	-724
5668	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1P	0	-374	-374
5669	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1X	0	-374	-374
5670	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1XY	0	-374	-374
5671	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA2.1Y	0	-374	-374
5672	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12S	0	-425	-425
5673	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12X	0	-425	-425
5674	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12XY	0	-425	-425
5675	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	Sd12Y	0	-425	-425
5676	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1P	0	-381	-381
5677	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1X	0	-381	-381
5678	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1XY	0	-381	-381
5679	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	CA1.1Y	0	-381	-381
5680	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DP	0	-323	-323
5681	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DX	0	-323	-323
5682	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DXY	0	-323	-323
5683	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	DY	0	-323	-323
5684	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5685	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F1A	0	0	0
5686	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F2A	0	0	0
5687	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F3A	0	0	0
5688	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F4A	0	0	0
5689	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F1A	0	0	0
5690	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F2A	0	0	0
5691	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F1A	0	0	0
5692	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F2A	0	0	0
5693	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E2F1A	0	0	0
5694	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F1B	1495	-13508	-17254
5695	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F2B	1495	-13508	-17254
5696	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F3B	1495	-13508	-17254
5697	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C1F4B	1495	-13508	-17254
5698	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F1B	1495	-13508	-17254
5699	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	C2F2B	1495	-13508	-17254
5700	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F1B	1140	-12379	-15811
5701	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E1F2B	1140	-12379	-15811
5702	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	E2F1B	0	0	0
5703	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5S	0	-578	-578
5704	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5X	0	-578	-578
5705	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5XY	0	-578	-578
5706	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd5Y	0	-578	-578
5707	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CP	0	-660	-660
5708	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CX	0	-660	-660
5709	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CXY	0	-660	-660
5710	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CY	0	-660	-660
5711	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10S	0	-334	-334
5712	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10X	0	-334	-334
5713	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10XY	0	-334	-334
5714	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd10Y	0	-334	-334
5715	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1P	0	-173	-173
5716	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1X	0	-173	-173
5717	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1XY	0	-173	-173
5718	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA2.1Y	0	-173	-173
5719	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12S	0	-196	-196
5720	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12X	0	-196	-196
5721	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12XY	0	-196	-196
5722	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	Sd12Y	0	-196	-196
5723	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1P	0	-176	-176
5724	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1X	0	-176	-176
5725	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1XY	0	-176	-176
5726	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	CA1.1Y	0	-176	-176
5727	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DP	0	-149	-149
5728	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DX	0	-149	-149
5729	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DXY	0	-149	-149
5730	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	DY	0	-149	-149
5731	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5732	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F1A	0	0	0
5733	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F2A	0	0	0
5734	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F3A	0	0	0
5735	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F4A	0	0	0
5736	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F1A	0	0	0
5737	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F2A	0	0	0
5738	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F1A	0	0	0
5739	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F2A	0	0	0
5740	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E2F1A	0	0	0
5741	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F1B	1095	-7214	-9223
5742	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F2B	1095	-7214	-9223
5743	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F3B	1095	-7214	-9223
5744	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C1F4B	1095	-7214	-9223
5745	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F1B	1095	-7214	-9223
5746	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	C2F2B	1095	-7214	-9223
5747	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F1B	775	-6060	-7748
5748	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E1F2B	775	-6060	-7748
5749	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	E2F1B	0	0	0
5750	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5S	0	-385	-385
5751	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5X	0	-385	-385
5752	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5XY	0	-385	-385
5753	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd5Y	0	-385	-385
5754	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CP	0	-440	-440
5755	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CX	0	-440	-440
5756	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CXY	0	-440	-440
5757	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CY	0	-440	-440
5758	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10S	0	-223	-223
5759	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10X	0	-223	-223
5760	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10XY	0	-223	-223
5761	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd10Y	0	-223	-223
5762	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1P	0	-115	-115
5763	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1X	0	-115	-115
5764	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1XY	0	-115	-115
5765	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA2.1Y	0	-115	-115
5766	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12S	0	-131	-131
5767	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12X	0	-131	-131
5768	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12XY	0	-131	-131
5769	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	Sd12Y	0	-131	-131
5770	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1P	0	-117	-117
5771	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1X	0	-117	-117
5772	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1XY	0	-117	-117
5773	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	CA1.1Y	0	-117	-117
5774	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DP	0	-99	-99
5775	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DX	0	-99	-99
5776	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DXY	0	-99	-99
5777	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	DY	0	-99	-99
5778	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5779	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F1A	0	0	0
5780	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F2A	0	0	0
5781	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F3A	0	0	0
5782	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F4A	0	0	0
5783	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F1A	0	0	0
5784	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F2A	0	0	0
5785	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F1A	0	0	0
5786	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F2A	0	0	0
5787	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E2F1A	0	0	0
5788	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F1B	1642	-7993	-10219
5789	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F2B	1642	-7993	-10219
5790	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F3B	1642	-7993	-10219
5791	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C1F4B	1642	-7993	-10219
5792	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F1B	1642	-7993	-10219
5793	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	C2F2B	1642	-7993	-10219
5794	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F1B	1162	-6632	-8480
5795	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E1F2B	1162	-6632	-8480
5796	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	E2F1B	0	0	0
5797	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5S	0	-385	-385
5798	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5X	0	-385	-385
5799	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5XY	0	-385	-385
5800	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd5Y	0	-385	-385
5801	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CP	0	-440	-440
5802	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CX	0	-440	-440
5803	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CXY	0	-440	-440
5804	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CY	0	-440	-440
5805	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10S	0	-223	-223
5806	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10X	0	-223	-223
5807	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10XY	0	-223	-223
5808	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd10Y	0	-223	-223
5809	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1P	0	-115	-115
5810	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1X	0	-115	-115
5811	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1XY	0	-115	-115
5812	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA2.1Y	0	-115	-115
5813	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12S	0	-131	-131
5814	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12X	0	-131	-131
5815	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12XY	0	-131	-131
5816	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	Sd12Y	0	-131	-131
5817	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1P	0	-117	-117
5818	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1X	0	-117	-117
5819	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1XY	0	-117	-117
5820	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	CA1.1Y	0	-117	-117
5821	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DP	0	-99	-99
5822	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DX	0	-99	-99
5823	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DXY	0	-99	-99
5824	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	DY	0	-99	-99
5825	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5826	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F1A	0	0	0
5827	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F2A	0	0	0
5828	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F3A	0	0	0
5829	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F4A	0	0	0
5830	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F1A	0	0	0
5831	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F2A	0	0	0
5832	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F1A	0	0	0
5833	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F2A	0	0	0
5834	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E2F1A	0	0	0
5835	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F1B	3442	-7993	-10219
5836	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F2B	3442	-7993	-10219
5837	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F3B	3442	-7993	-10219
5838	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C1F4B	3442	-7993	-10219
5839	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F1B	3442	-7993	-10219
5840	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	C2F2B	3442	-7993	-10219
5841	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F1B	2962	-6632	-8480
5842	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E1F2B	2962	-6632	-8480
5843	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	E2F1B	1800	0	0
5844	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5S	0	-385	-385
5845	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5X	0	-385	-385
5846	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5XY	0	-385	-385
5847	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd5Y	0	-385	-385
5848	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CP	0	-440	-440
5849	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CX	0	-440	-440
5850	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CXY	0	-440	-440
5851	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CY	0	-440	-440
5852	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10S	0	-223	-223
5853	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10X	0	-223	-223
5854	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10XY	0	-223	-223
5855	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd10Y	0	-223	-223
5856	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1P	0	-115	-115
5857	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1X	0	-115	-115
5858	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1XY	0	-115	-115
5859	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA2.1Y	0	-115	-115
5860	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12S	0	-131	-131
5861	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12X	0	-131	-131
5862	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12XY	0	-131	-131
5863	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	Sd12Y	0	-131	-131
5864	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1P	0	-117	-117
5865	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1X	0	-117	-117
5866	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1XY	0	-117	-117
5867	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	CA1.1Y	0	-117	-117
5868	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DP	0	-99	-99
5869	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DX	0	-99	-99
5870	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DXY	0	-99	-99
5871	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	DY	0	-99	-99
5872	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5873	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F1A	769	-2429	1098
5874	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F2A	769	-2429	1098
5875	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F3A	769	-721	2326
5876	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F4A	769	-721	2326
5877	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F1A	769	-2429	1098
5878	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F2A	769	-721	2326
5879	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F1A	544	-2453	1148
5880	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F2A	544	-702	2356
5881	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E2F1A	544	-702	2356
5882	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F1B	0	0	0
5883	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F2B	0	0	0
5884	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F3B	0	0	0
5885	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C1F4B	0	0	0
5886	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F1B	0	0	0
5887	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	C2F2B	0	0	0
5888	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F1B	0	0	0
5889	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E1F2B	0	0	0
5890	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	E2F1B	544	-2453	1148
5891	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5S	0	-1253	-1253
5892	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5X	0	-1253	-1253
5893	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5XY	0	-1253	-1253
5894	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd5Y	0	-1253	-1253
5895	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CP	0	-1431	-1431
5896	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CX	0	-1431	-1431
5897	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CXY	0	-1431	-1431
5898	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CY	0	-1431	-1431
5899	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10S	0	-724	-724
5900	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10X	0	-724	-724
5901	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10XY	0	-724	-724
5902	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd10Y	0	-724	-724
5903	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1P	0	-374	-374
5904	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1X	0	-374	-374
5905	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1XY	0	-374	-374
5906	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA2.1Y	0	-374	-374
5907	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12S	0	-425	-425
5908	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12X	0	-425	-425
5909	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12XY	0	-425	-425
5910	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	Sd12Y	0	-425	-425
5911	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1P	0	-381	-381
5912	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1X	0	-381	-381
5913	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1XY	0	-381	-381
5914	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	CA1.1Y	0	-381	-381
5915	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DP	0	-323	-323
5916	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DX	0	-323	-323
5917	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DXY	0	-323	-323
5918	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	DY	0	-323	-323
5919	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	TopP	0	-307	-307

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5920	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F1A	1051	-5258	2604
5921	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F2A	1051	-5258	2604
5922	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F3A	1051	-1436	5196
5923	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F4A	1051	-1436	5196
5924	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F1A	1051	-5258	2604
5925	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F2A	1051	-1436	5196
5926	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F1A	801	-5828	2921
5927	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F2A	801	-1574	5794
5928	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E2F1A	801	-1574	5794
5929	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F1B	0	0	0
5930	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F2B	0	0	0
5931	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F3B	0	0	0
5932	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C1F4B	0	0	0
5933	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F1B	0	0	0
5934	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	C2F2B	0	0	0
5935	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F1B	0	0	0
5936	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E1F2B	0	0	0
5937	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	E2F1B	801	-5828	2921
5938	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5S	0	-578	-578
5939	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5X	0	-578	-578
5940	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5XY	0	-578	-578
5941	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd5Y	0	-578	-578
5942	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CP	0	-660	-660
5943	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CX	0	-660	-660
5944	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CXY	0	-660	-660
5945	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CY	0	-660	-660
5946	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10S	0	-334	-334
5947	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10X	0	-334	-334
5948	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10XY	0	-334	-334
5949	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd10Y	0	-334	-334
5950	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1P	0	-173	-173
5951	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1X	0	-173	-173
5952	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1XY	0	-173	-173
5953	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA2.1Y	0	-173	-173
5954	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12S	0	-196	-196
5955	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12X	0	-196	-196
5956	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12XY	0	-196	-196
5957	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	Sd12Y	0	-196	-196
5958	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1P	0	-176	-176
5959	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1X	0	-176	-176
5960	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1XY	0	-176	-176
5961	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	CA1.1Y	0	-176	-176
5962	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DP	0	-149	-149
5963	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DX	0	-149	-149
5964	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DXY	0	-149	-149
5965	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	DY	0	-149	-149
5966	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	TopP	0	-142	-142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
5967	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F1A	769	-2883	1473
5968	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F2A	769	-2883	1473
5969	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F3A	769	-734	2771
5970	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F4A	769	-734	2771
5971	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F1A	769	-2883	1473
5972	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F2A	769	-734	2771
5973	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F1A	544	-3183	1644
5974	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F2A	544	-850	3266
5975	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E2F1A	544	-850	3266
5976	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F1B	0	0	0
5977	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F2B	0	0	0
5978	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F3B	0	0	0
5979	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C1F4B	0	0	0
5980	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F1B	0	0	0
5981	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	C2F2B	0	0	0
5982	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F1B	0	0	0
5983	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E1F2B	0	0	0
5984	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	E2F1B	544	-3183	1644
5985	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5S	0	-385	-385
5986	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5X	0	-385	-385
5987	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5XY	0	-385	-385
5988	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd5Y	0	-385	-385
5989	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CP	0	-440	-440
5990	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CX	0	-440	-440
5991	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CXY	0	-440	-440
5992	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CY	0	-440	-440
5993	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10S	0	-223	-223
5994	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10X	0	-223	-223
5995	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10XY	0	-223	-223
5996	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd10Y	0	-223	-223
5997	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1P	0	-115	-115
5998	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1X	0	-115	-115
5999	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1XY	0	-115	-115
6000	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA2.1Y	0	-115	-115
6001	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12S	0	-131	-131
6002	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12X	0	-131	-131
6003	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12XY	0	-131	-131
6004	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	Sd12Y	0	-131	-131
6005	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1P	0	-117	-117
6006	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1X	0	-117	-117
6007	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1XY	0	-117	-117
6008	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	CA1.1Y	0	-117	-117
6009	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DP	0	-99	-99
6010	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DX	0	-99	-99
6011	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DXY	0	-99	-99
6012	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	DY	0	-99	-99
6013	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6014	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F1A	1154	-2926	1496
6015	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F2A	1154	-2926	1496
6016	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F3A	1154	-764	2891
6017	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F4A	1154	-764	2891
6018	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F1A	1154	-2926	1496
6019	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F2A	1154	-764	2891
6020	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F1A	817	-2999	1547
6021	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F2A	817	-777	2976
6022	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E2F1A	817	-777	2976
6023	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F1B	0	0	0
6024	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F2B	0	0	0
6025	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F3B	0	0	0
6026	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C1F4B	0	0	0
6027	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F1B	0	0	0
6028	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	C2F2B	0	0	0
6029	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F1B	0	0	0
6030	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E1F2B	0	0	0
6031	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	E2F1B	817	-2999	1547
6032	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5S	0	-385	-385
6033	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5X	0	-385	-385
6034	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5XY	0	-385	-385
6035	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd5Y	0	-385	-385
6036	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CP	0	-440	-440
6037	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CX	0	-440	-440
6038	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CXY	0	-440	-440
6039	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CY	0	-440	-440
6040	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10S	0	-223	-223
6041	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10X	0	-223	-223
6042	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10XY	0	-223	-223
6043	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd10Y	0	-223	-223
6044	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1P	0	-115	-115
6045	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1X	0	-115	-115
6046	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1XY	0	-115	-115
6047	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA2.1Y	0	-115	-115
6048	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12S	0	-131	-131
6049	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12X	0	-131	-131
6050	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12XY	0	-131	-131
6051	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	Sd12Y	0	-131	-131
6052	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1P	0	-117	-117
6053	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1X	0	-117	-117
6054	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1XY	0	-117	-117
6055	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	CA1.1Y	0	-117	-117
6056	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DP	0	-99	-99
6057	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DX	0	-99	-99
6058	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DXY	0	-99	-99
6059	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	DY	0	-99	-99
6060	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6061	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F1A	2954	-2926	1496
6062	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F2A	2954	-2926	1496
6063	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F3A	2954	-764	2891
6064	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F4A	2954	-764	2891
6065	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F1A	2954	-2926	1496
6066	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F2A	2954	-764	2891
6067	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F1A	2617	-2999	1547
6068	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F2A	2617	-777	2976
6069	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E2F1A	2617	-777	2976
6070	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F1B	0	0	0
6071	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F2B	0	0	0
6072	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F3B	0	0	0
6073	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C1F4B	0	0	0
6074	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F1B	0	0	0
6075	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	C2F2B	0	0	0
6076	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F1B	0	0	0
6077	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E1F2B	0	0	0
6078	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	E2F1B	817	-2999	1547
6079	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5S	0	-385	-385
6080	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5X	0	-385	-385
6081	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5XY	0	-385	-385
6082	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd5Y	0	-385	-385
6083	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CP	0	-440	-440
6084	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CX	0	-440	-440
6085	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CXY	0	-440	-440
6086	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CY	0	-440	-440
6087	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10S	0	-223	-223
6088	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10X	0	-223	-223
6089	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10XY	0	-223	-223
6090	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd10Y	0	-223	-223
6091	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1P	0	-115	-115
6092	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1X	0	-115	-115
6093	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1XY	0	-115	-115
6094	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA2.1Y	0	-115	-115
6095	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12S	0	-131	-131
6096	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12X	0	-131	-131
6097	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12XY	0	-131	-131
6098	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	Sd12Y	0	-131	-131
6099	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1P	0	-117	-117
6100	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1X	0	-117	-117
6101	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1XY	0	-117	-117
6102	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	CA1.1Y	0	-117	-117
6103	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DP	0	-99	-99
6104	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DX	0	-99	-99
6105	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DXY	0	-99	-99
6106	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	DY	0	-99	-99
6107	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	TopP	0	-94	-94

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6108	LC155_SeLS_NL1a=Wind_Dir=-45	C1F1A	669	-2146	893
6109	LC155_SeLS_NL1a=Wind_Dir=-45	C1F2A	669	-2146	893
6110	LC155_SeLS_NL1a=Wind_Dir=-45	C1F3A	669	-682	2009
6111	LC155_SeLS_NL1a=Wind_Dir=-45	C1F4A	669	-682	2009
6112	LC155_SeLS_NL1a=Wind_Dir=-45	C2F1A	669	-2146	893
6113	LC155_SeLS_NL1a=Wind_Dir=-45	C2F2A	669	-682	2009
6114	LC155_SeLS_NL1a=Wind_Dir=-45	E1F1A	473	-2160	947
6115	LC155_SeLS_NL1a=Wind_Dir=-45	E1F2A	473	-655	2037
6116	LC155_SeLS_NL1a=Wind_Dir=-45	E2F1A	473	-655	2037
6117	LC155_SeLS_NL1a=Wind_Dir=-45	C1F1B	952	-5726	-7283
6118	LC155_SeLS_NL1a=Wind_Dir=-45	C1F2B	952	-5726	-7283
6119	LC155_SeLS_NL1a=Wind_Dir=-45	C1F3B	952	-5726	-7283
6120	LC155_SeLS_NL1a=Wind_Dir=-45	C1F4B	952	-5726	-7283
6121	LC155_SeLS_NL1a=Wind_Dir=-45	C2F1B	952	-5726	-7283
6122	LC155_SeLS_NL1a=Wind_Dir=-45	C2F2B	952	-5726	-7283
6123	LC155_SeLS_NL1a=Wind_Dir=-45	E1F1B	674	-4742	-6031
6124	LC155_SeLS_NL1a=Wind_Dir=-45	E1F2B	674	-4742	-6031
6125	LC155_SeLS_NL1a=Wind_Dir=-45	E2F1B	473	-2160	947
6126	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5S	0	-1606	-1606
6127	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5X	0	-1606	-1606
6128	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5XY	0	-1606	-1606
6129	LC155_SeLS_NL1a=Wind_Dir=-45	Sd5Y	0	-1606	-1606
6130	LC155_SeLS_NL1a=Wind_Dir=-45	CP	0	-1834	-1834
6131	LC155_SeLS_NL1a=Wind_Dir=-45	CX	0	-1834	-1834
6132	LC155_SeLS_NL1a=Wind_Dir=-45	CXY	0	-1834	-1834
6133	LC155_SeLS_NL1a=Wind_Dir=-45	CY	0	-1834	-1834
6134	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10S	0	-928	-928
6135	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10X	0	-928	-928
6136	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10XY	0	-928	-928
6137	LC155_SeLS_NL1a=Wind_Dir=-45	Sd10Y	0	-928	-928
6138	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1P	0	-480	-480
6139	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1X	0	-480	-480
6140	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1XY	0	-480	-480
6141	LC155_SeLS_NL1a=Wind_Dir=-45	CA2.1Y	0	-480	-480
6142	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12S	0	-545	-545
6143	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12X	0	-545	-545
6144	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12XY	0	-545	-545
6145	LC155_SeLS_NL1a=Wind_Dir=-45	Sd12Y	0	-545	-545
6146	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1P	0	-489	-489
6147	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1X	0	-489	-489
6148	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1XY	0	-489	-489
6149	LC155_SeLS_NL1a=Wind_Dir=-45	CA1.1Y	0	-489	-489
6150	LC155_SeLS_NL1a=Wind_Dir=-45	DP	0	-414	-414
6151	LC155_SeLS_NL1a=Wind_Dir=-45	DX	0	-414	-414
6152	LC155_SeLS_NL1a=Wind_Dir=-45	DXY	0	-414	-414
6153	LC155_SeLS_NL1a=Wind_Dir=-45	DY	0	-414	-414
6154	LC155_SeLS_NL1a=Wind_Dir=-45	TopP	0	-393	-393

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6155	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F1A	1496	-4569	2270
6156	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F2A	1496	-4569	2270
6157	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F3A	1496	-1244	4519
6158	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F4A	1496	-1244	4519
6159	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F1A	1496	-4569	2270
6160	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F2A	1496	-1244	4519
6161	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F1A	1228	-5065	2545
6162	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F2A	1228	-1365	5040
6163	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E2F1A	1228	-1365	5040
6164	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F1B	2130	-11746	-15004
6165	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F2B	2130	-11746	-15004
6166	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F3B	2130	-11746	-15004
6167	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C1F4B	2130	-11746	-15004
6168	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F1B	2130	-11746	-15004
6169	LC156_SeLS_NL3=Wind+Ice_Dir=-45	C2F2B	2130	-11746	-15004
6170	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F1B	1748	-10764	-13749
6171	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E1F2B	1748	-10764	-13749
6172	LC156_SeLS_NL3=Wind+Ice_Dir=-45	E2F1B	1228	-5065	2545
6173	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5S	0	-482	-482
6174	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5X	0	-482	-482
6175	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5XY	0	-482	-482
6176	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd5Y	0	-482	-482
6177	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CP	0	-550	-550
6178	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CX	0	-550	-550
6179	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CXY	0	-550	-550
6180	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CY	0	-550	-550
6181	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10S	0	-278	-278
6182	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10X	0	-278	-278
6183	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10XY	0	-278	-278
6184	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd10Y	0	-278	-278
6185	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1P	0	-144	-144
6186	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1X	0	-144	-144
6187	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1XY	0	-144	-144
6188	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA2.1Y	0	-144	-144
6189	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12S	0	-163	-163
6190	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12X	0	-163	-163
6191	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12XY	0	-163	-163
6192	LC156_SeLS_NL3=Wind+Ice_Dir=-45	Sd12Y	0	-163	-163
6193	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1P	0	-147	-147
6194	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1X	0	-147	-147
6195	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1XY	0	-147	-147
6196	LC156_SeLS_NL3=Wind+Ice_Dir=-45	CA1.1Y	0	-147	-147
6197	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DP	0	-124	-124
6198	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DX	0	-124	-124
6199	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DXY	0	-124	-124
6200	LC156_SeLS_NL3=Wind+Ice_Dir=-45	DY	0	-124	-124
6201	LC156_SeLS_NL3=Wind+Ice_Dir=-45	TopP	0	-118	-118

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6202	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F1A	669	-2506	1283
6203	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F2A	669	-2506	1283
6204	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F3A	669	-637	2410
6205	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F4A	669	-637	2410
6206	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F1A	669	-2506	1283
6207	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F2A	669	-637	2410
6208	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F1A	473	-2767	1431
6209	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F2A	473	-738	2840
6210	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E2F1A	473	-738	2840
6211	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F1B	952	-6273	-8020
6212	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F2B	952	-6273	-8020
6213	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F3B	952	-6273	-8020
6214	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C1F4B	952	-6273	-8020
6215	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F1B	952	-6273	-8020
6216	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	C2F2B	952	-6273	-8020
6217	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F1B	674	-5270	-6737
6218	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E1F2B	674	-5270	-6737
6219	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	E2F1B	473	-2767	1431
6220	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5S	0	-321	-321
6221	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5X	0	-321	-321
6222	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5XY	0	-321	-321
6223	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd5Y	0	-321	-321
6224	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CP	0	-367	-367
6225	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CX	0	-367	-367
6226	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CXY	0	-367	-367
6227	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CY	0	-367	-367
6228	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10S	0	-186	-186
6229	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10X	0	-186	-186
6230	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10XY	0	-186	-186
6231	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd10Y	0	-186	-186
6232	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1P	0	-96	-96
6233	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1X	0	-96	-96
6234	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1XY	0	-96	-96
6235	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA2.1Y	0	-96	-96
6236	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12S	0	-109	-109
6237	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12X	0	-109	-109
6238	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12XY	0	-109	-109
6239	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	Sd12Y	0	-109	-109
6240	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1P	0	-98	-98
6241	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1X	0	-98	-98
6242	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1XY	0	-98	-98
6243	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	CA1.1Y	0	-98	-98
6244	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DP	0	-83	-83
6245	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DX	0	-83	-83
6246	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DXY	0	-83	-83
6247	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	DY	0	-83	-83
6248	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	TopP	0	-79	-79

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6249	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F1A	1003	-2543	1303
6250	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F2A	1003	-2543	1303
6251	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F3A	1003	-663	2515
6252	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F4A	1003	-663	2515
6253	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F1A	1003	-2543	1303
6254	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F2A	1003	-663	2515
6255	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F1A	710	-2607	1346
6256	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F2A	710	-675	2588
6257	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E2F1A	710	-675	2588
6258	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F1B	1428	-6950	-8886
6259	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F2B	1428	-6950	-8886
6260	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F3B	1428	-6950	-8886
6261	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C1F4B	1428	-6950	-8886
6262	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F1B	1428	-6950	-8886
6263	LC158_SeLS_NL6a=Cons+Main_Dir=-45	C2F2B	1428	-6950	-8886
6264	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F1B	1011	-5767	-7374
6265	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E1F2B	1011	-5767	-7374
6266	LC158_SeLS_NL6a=Cons+Main_Dir=-45	E2F1B	710	-2607	1346
6267	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5S	0	-321	-321
6268	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5X	0	-321	-321
6269	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5XY	0	-321	-321
6270	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd5Y	0	-321	-321
6271	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CP	0	-367	-367
6272	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CX	0	-367	-367
6273	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CXY	0	-367	-367
6274	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CY	0	-367	-367
6275	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10S	0	-186	-186
6276	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10X	0	-186	-186
6277	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10XY	0	-186	-186
6278	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd10Y	0	-186	-186
6279	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1P	0	-96	-96
6280	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1X	0	-96	-96
6281	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1XY	0	-96	-96
6282	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA2.1Y	0	-96	-96
6283	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12S	0	-109	-109
6284	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12X	0	-109	-109
6285	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12XY	0	-109	-109
6286	LC158_SeLS_NL6a=Cons+Main_Dir=-45	Sd12Y	0	-109	-109
6287	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1P	0	-98	-98
6288	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1X	0	-98	-98
6289	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1XY	0	-98	-98
6290	LC158_SeLS_NL6a=Cons+Main_Dir=-45	CA1.1Y	0	-98	-98
6291	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DP	0	-83	-83
6292	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DX	0	-83	-83
6293	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DXY	0	-83	-83
6294	LC158_SeLS_NL6a=Cons+Main_Dir=-45	DY	0	-83	-83
6295	LC158_SeLS_NL6a=Cons+Main_Dir=-45	TopP	0	-79	-79

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6296	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F1A	2503	-2543	1303
6297	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F2A	2503	-2543	1303
6298	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F3A	2503	-663	2515
6299	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F4A	2503	-663	2515
6300	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F1A	2503	-2543	1303
6301	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F2A	2503	-663	2515
6302	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F1A	2210	-2607	1346
6303	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F2A	2210	-675	2588
6304	LC159_SeLS_NL6b=Linesmen_Dir=-45	E2F1A	2210	-675	2588
6305	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F1B	1428	-6950	-8886
6306	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F2B	1428	-6950	-8886
6307	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F3B	1428	-6950	-8886
6308	LC159_SeLS_NL6b=Linesmen_Dir=-45	C1F4B	1428	-6950	-8886
6309	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F1B	1428	-6950	-8886
6310	LC159_SeLS_NL6b=Linesmen_Dir=-45	C2F2B	1428	-6950	-8886
6311	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F1B	1011	-5767	-7374
6312	LC159_SeLS_NL6b=Linesmen_Dir=-45	E1F2B	1011	-5767	-7374
6313	LC159_SeLS_NL6b=Linesmen_Dir=-45	E2F1B	710	-2607	1346
6314	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5S	0	-321	-321
6315	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5X	0	-321	-321
6316	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5XY	0	-321	-321
6317	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd5Y	0	-321	-321
6318	LC159_SeLS_NL6b=Linesmen_Dir=-45	CP	0	-367	-367
6319	LC159_SeLS_NL6b=Linesmen_Dir=-45	CX	0	-367	-367
6320	LC159_SeLS_NL6b=Linesmen_Dir=-45	CXY	0	-367	-367
6321	LC159_SeLS_NL6b=Linesmen_Dir=-45	CY	0	-367	-367
6322	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10S	0	-186	-186
6323	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10X	0	-186	-186
6324	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10XY	0	-186	-186
6325	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd10Y	0	-186	-186
6326	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1P	0	-96	-96
6327	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1X	0	-96	-96
6328	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1XY	0	-96	-96
6329	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA2.1Y	0	-96	-96
6330	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12S	0	-109	-109
6331	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12X	0	-109	-109
6332	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12XY	0	-109	-109
6333	LC159_SeLS_NL6b=Linesmen_Dir=-45	Sd12Y	0	-109	-109
6334	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1P	0	-98	-98
6335	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1X	0	-98	-98
6336	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1XY	0	-98	-98
6337	LC159_SeLS_NL6b=Linesmen_Dir=-45	CA1.1Y	0	-98	-98
6338	LC159_SeLS_NL6b=Linesmen_Dir=-45	DP	0	-83	-83
6339	LC159_SeLS_NL6b=Linesmen_Dir=-45	DX	0	-83	-83
6340	LC159_SeLS_NL6b=Linesmen_Dir=-45	DXY	0	-83	-83
6341	LC159_SeLS_NL6b=Linesmen_Dir=-45	DY	0	-83	-83
6342	LC159_SeLS_NL6b=Linesmen_Dir=-45	TopP	0	-79	-79

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6343	LC160_ULS_NL1a=Wind_Dir=-52	C1F1A	769	-2550	988
6344	LC160_ULS_NL1a=Wind_Dir=-52	C1F2A	769	-2550	988
6345	LC160_ULS_NL1a=Wind_Dir=-52	C1F3A	769	-754	2162
6346	LC160_ULS_NL1a=Wind_Dir=-52	C1F4A	769	-754	2162
6347	LC160_ULS_NL1a=Wind_Dir=-52	C2F1A	769	-2550	988
6348	LC160_ULS_NL1a=Wind_Dir=-52	C2F2A	769	-754	2162
6349	LC160_ULS_NL1a=Wind_Dir=-52	E1F1A	544	-2560	1063
6350	LC160_ULS_NL1a=Wind_Dir=-52	E1F2A	544	-722	2198
6351	LC160_ULS_NL1a=Wind_Dir=-52	E2F1A	544	-722	2198
6352	LC160_ULS_NL1a=Wind_Dir=-52	C1F1B	1095	-5339	-6834
6353	LC160_ULS_NL1a=Wind_Dir=-52	C1F2B	1095	-5339	-6834
6354	LC160_ULS_NL1a=Wind_Dir=-52	C1F3B	1095	-5339	-6834
6355	LC160_ULS_NL1a=Wind_Dir=-52	C1F4B	1095	-5339	-6834
6356	LC160_ULS_NL1a=Wind_Dir=-52	C2F1B	1095	-5339	-6834
6357	LC160_ULS_NL1a=Wind_Dir=-52	C2F2B	1095	-5339	-6834
6358	LC160_ULS_NL1a=Wind_Dir=-52	E1F1B	775	-4256	-5448
6359	LC160_ULS_NL1a=Wind_Dir=-52	E1F2B	775	-4256	-5448
6360	LC160_ULS_NL1a=Wind_Dir=-52	E2F1B	544	-2560	1063
6361	LC160_ULS_NL1a=Wind_Dir=-52	Sd5S	0	-1939	-2481
6362	LC160_ULS_NL1a=Wind_Dir=-52	Sd5X	0	-1939	-2481
6363	LC160_ULS_NL1a=Wind_Dir=-52	Sd5XY	0	-1939	-2481
6364	LC160_ULS_NL1a=Wind_Dir=-52	Sd5Y	0	-1939	-2481
6365	LC160_ULS_NL1a=Wind_Dir=-52	CP	0	-2214	-2834
6366	LC160_ULS_NL1a=Wind_Dir=-52	CX	0	-2214	-2834
6367	LC160_ULS_NL1a=Wind_Dir=-52	CXY	0	-2214	-2834
6368	LC160_ULS_NL1a=Wind_Dir=-52	CY	0	-2214	-2834
6369	LC160_ULS_NL1a=Wind_Dir=-52	Sd10S	0	-966	-1237
6370	LC160_ULS_NL1a=Wind_Dir=-52	Sd10X	0	-966	-1237
6371	LC160_ULS_NL1a=Wind_Dir=-52	Sd10XY	0	-966	-1237
6372	LC160_ULS_NL1a=Wind_Dir=-52	Sd10Y	0	-966	-1237
6373	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1P	0	-579	-741
6374	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1X	0	-579	-741
6375	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1XY	0	-579	-741
6376	LC160_ULS_NL1a=Wind_Dir=-52	CA2.1Y	0	-579	-741
6377	LC160_ULS_NL1a=Wind_Dir=-52	Sd12S	0	-575	-736
6378	LC160_ULS_NL1a=Wind_Dir=-52	Sd12X	0	-575	-736
6379	LC160_ULS_NL1a=Wind_Dir=-52	Sd12XY	0	-575	-736
6380	LC160_ULS_NL1a=Wind_Dir=-52	Sd12Y	0	-575	-736
6381	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1P	0	-590	-755
6382	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1X	0	-590	-755
6383	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1XY	0	-590	-755
6384	LC160_ULS_NL1a=Wind_Dir=-52	CA1.1Y	0	-590	-755
6385	LC160_ULS_NL1a=Wind_Dir=-52	DP	0	-437	-559
6386	LC160_ULS_NL1a=Wind_Dir=-52	DX	0	-437	-559
6387	LC160_ULS_NL1a=Wind_Dir=-52	DXY	0	-437	-559
6388	LC160_ULS_NL1a=Wind_Dir=-52	DY	0	-437	-559
6389	LC160_ULS_NL1a=Wind_Dir=-52	TopP	0	-475	-608

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6390	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F1A	1845	-5375	2621
6391	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F2A	1845	-5375	2621
6392	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F3A	1845	-1359	4896
6393	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F4A	1845	-1359	4896
6394	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F1A	1845	-5375	2621
6395	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F2A	1845	-1359	4896
6396	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F1A	1526	-5945	2942
6397	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F2A	1526	-1500	5502
6398	LC161_ULS_NL3=Wind+Ice_Dir=-52	E2F1A	1526	-1500	5502
6399	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F1B	2626	-11286	-14446
6400	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F2B	2626	-11286	-14446
6401	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F3B	2626	-11286	-14446
6402	LC161_ULS_NL3=Wind+Ice_Dir=-52	C1F4B	2626	-11286	-14446
6403	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F1B	2626	-11286	-14446
6404	LC161_ULS_NL3=Wind+Ice_Dir=-52	C2F2B	2626	-11286	-14446
6405	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F1B	2172	-10324	-13214
6406	LC161_ULS_NL3=Wind+Ice_Dir=-52	E1F2B	2172	-10324	-13214
6407	LC161_ULS_NL3=Wind+Ice_Dir=-52	E2F1B	1526	-5945	2942
6408	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5S	0	-582	-744
6409	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5X	0	-582	-744
6410	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5XY	0	-582	-744
6411	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd5Y	0	-582	-744
6412	LC161_ULS_NL3=Wind+Ice_Dir=-52	CP	0	-664	-850
6413	LC161_ULS_NL3=Wind+Ice_Dir=-52	CX	0	-664	-850
6414	LC161_ULS_NL3=Wind+Ice_Dir=-52	CXY	0	-664	-850
6415	LC161_ULS_NL3=Wind+Ice_Dir=-52	CY	0	-664	-850
6416	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10S	0	-290	-371
6417	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10X	0	-290	-371
6418	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10XY	0	-290	-371
6419	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd10Y	0	-290	-371
6420	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1P	0	-174	-222
6421	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1X	0	-174	-222
6422	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1XY	0	-174	-222
6423	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA2.1Y	0	-174	-222
6424	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12S	0	-173	-221
6425	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12X	0	-173	-221
6426	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12XY	0	-173	-221
6427	LC161_ULS_NL3=Wind+Ice_Dir=-52	Sd12Y	0	-173	-221
6428	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1P	0	-177	-226
6429	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1X	0	-177	-226
6430	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1XY	0	-177	-226
6431	LC161_ULS_NL3=Wind+Ice_Dir=-52	CA1.1Y	0	-177	-226
6432	LC161_ULS_NL3=Wind+Ice_Dir=-52	DP	0	-131	-168
6433	LC161_ULS_NL3=Wind+Ice_Dir=-52	DX	0	-131	-168
6434	LC161_ULS_NL3=Wind+Ice_Dir=-52	DXY	0	-131	-168
6435	LC161_ULS_NL3=Wind+Ice_Dir=-52	DY	0	-131	-168
6436	LC161_ULS_NL3=Wind+Ice_Dir=-52	TopP	0	-142	-182

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6437	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F1A	769	-2945	1492
6438	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F2A	769	-2945	1492
6439	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F3A	769	-694	2611
6440	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F4A	769	-694	2611
6441	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F1A	769	-2945	1492
6442	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F2A	769	-694	2611
6443	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F1A	544	-3244	1665
6444	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F2A	544	-806	3092
6445	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E2F1A	544	-806	3092
6446	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F1B	1095	-5909	-7563
6447	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F2B	1095	-5909	-7563
6448	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F3B	1095	-5909	-7563
6449	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C1F4B	1095	-5909	-7563
6450	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F1B	1095	-5909	-7563
6451	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	C2F2B	1095	-5909	-7563
6452	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F1B	775	-4810	-6157
6453	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E1F2B	775	-4810	-6157
6454	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	E2F1B	544	-3244	1665
6455	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5S	0	-388	-496
6456	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5X	0	-388	-496
6457	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5XY	0	-388	-496
6458	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd5Y	0	-388	-496
6459	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CP	0	-443	-567
6460	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CX	0	-443	-567
6461	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CXY	0	-443	-567
6462	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CY	0	-443	-567
6463	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10S	0	-193	-247
6464	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10X	0	-193	-247
6465	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10XY	0	-193	-247
6466	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd10Y	0	-193	-247
6467	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1P	0	-116	-148
6468	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1X	0	-116	-148
6469	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1XY	0	-116	-148
6470	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA2.1Y	0	-116	-148
6471	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12S	0	-115	-147
6472	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12X	0	-115	-147
6473	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12XY	0	-115	-147
6474	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	Sd12Y	0	-115	-147
6475	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1P	0	-118	-151
6476	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1X	0	-118	-151
6477	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1XY	0	-118	-151
6478	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	CA1.1Y	0	-118	-151
6479	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DP	0	-87	-112
6480	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DX	0	-87	-112
6481	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DXY	0	-87	-112
6482	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	DY	0	-87	-112
6483	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	TopP	0	-95	-122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6484	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F1A	1154	-2991	1517
6485	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F2A	1154	-2991	1517
6486	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F3A	1154	-719	2710
6487	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F4A	1154	-719	2710
6488	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F1A	1154	-2991	1517
6489	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F2A	1154	-719	2710
6490	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F1A	817	-3064	1570
6491	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F2A	817	-732	2796
6492	LC163_ULS_NL6a=Cons+Main_Dir=-52	E2F1A	817	-732	2796
6493	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F1B	1642	-6508	-8330
6494	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F2B	1642	-6508	-8330
6495	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F3B	1642	-6508	-8330
6496	LC163_ULS_NL6a=Cons+Main_Dir=-52	C1F4B	1642	-6508	-8330
6497	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F1B	1642	-6508	-8330
6498	LC163_ULS_NL6a=Cons+Main_Dir=-52	C2F2B	1642	-6508	-8330
6499	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F1B	1162	-5203	-6660
6500	LC163_ULS_NL6a=Cons+Main_Dir=-52	E1F2B	1162	-5203	-6660
6501	LC163_ULS_NL6a=Cons+Main_Dir=-52	E2F1B	817	-3064	1570
6502	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5S	0	-388	-496
6503	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5X	0	-388	-496
6504	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5XY	0	-388	-496
6505	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd5Y	0	-388	-496
6506	LC163_ULS_NL6a=Cons+Main_Dir=-52	CP	0	-443	-567
6507	LC163_ULS_NL6a=Cons+Main_Dir=-52	CX	0	-443	-567
6508	LC163_ULS_NL6a=Cons+Main_Dir=-52	CXY	0	-443	-567
6509	LC163_ULS_NL6a=Cons+Main_Dir=-52	CY	0	-443	-567
6510	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10S	0	-193	-247
6511	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10X	0	-193	-247
6512	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10XY	0	-193	-247
6513	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd10Y	0	-193	-247
6514	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1P	0	-116	-148
6515	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1X	0	-116	-148
6516	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1XY	0	-116	-148
6517	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA2.1Y	0	-116	-148
6518	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12S	0	-115	-147
6519	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12X	0	-115	-147
6520	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12XY	0	-115	-147
6521	LC163_ULS_NL6a=Cons+Main_Dir=-52	Sd12Y	0	-115	-147
6522	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1P	0	-118	-151
6523	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1X	0	-118	-151
6524	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1XY	0	-118	-151
6525	LC163_ULS_NL6a=Cons+Main_Dir=-52	CA1.1Y	0	-118	-151
6526	LC163_ULS_NL6a=Cons+Main_Dir=-52	DP	0	-87	-112
6527	LC163_ULS_NL6a=Cons+Main_Dir=-52	DX	0	-87	-112
6528	LC163_ULS_NL6a=Cons+Main_Dir=-52	DXY	0	-87	-112
6529	LC163_ULS_NL6a=Cons+Main_Dir=-52	DY	0	-87	-112
6530	LC163_ULS_NL6a=Cons+Main_Dir=-52	TopP	0	-95	-122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6531	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F1A	3104	-2991	1517
6532	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F2A	3104	-2991	1517
6533	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F3A	3104	-719	2710
6534	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F4A	3104	-719	2710
6535	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F1A	3104	-2991	1517
6536	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F2A	3104	-719	2710
6537	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F1A	2767	-3064	1570
6538	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F2A	2767	-732	2796
6539	LC164_ULS_NL6b=Linesmen_Dir=-52	E2F1A	2767	-732	2796
6540	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F1B	1642	-6508	-8330
6541	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F2B	1642	-6508	-8330
6542	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F3B	1642	-6508	-8330
6543	LC164_ULS_NL6b=Linesmen_Dir=-52	C1F4B	1642	-6508	-8330
6544	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F1B	1642	-6508	-8330
6545	LC164_ULS_NL6b=Linesmen_Dir=-52	C2F2B	1642	-6508	-8330
6546	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F1B	1162	-5203	-6660
6547	LC164_ULS_NL6b=Linesmen_Dir=-52	E1F2B	1162	-5203	-6660
6548	LC164_ULS_NL6b=Linesmen_Dir=-52	E2F1B	817	-3064	1570
6549	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5S	0	-388	-496
6550	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5X	0	-388	-496
6551	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5XY	0	-388	-496
6552	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd5Y	0	-388	-496
6553	LC164_ULS_NL6b=Linesmen_Dir=-52	CP	0	-443	-567
6554	LC164_ULS_NL6b=Linesmen_Dir=-52	CX	0	-443	-567
6555	LC164_ULS_NL6b=Linesmen_Dir=-52	CXY	0	-443	-567
6556	LC164_ULS_NL6b=Linesmen_Dir=-52	CY	0	-443	-567
6557	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10S	0	-193	-247
6558	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10X	0	-193	-247
6559	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10XY	0	-193	-247
6560	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd10Y	0	-193	-247
6561	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1P	0	-116	-148
6562	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1X	0	-116	-148
6563	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1XY	0	-116	-148
6564	LC164_ULS_NL6b=Linesmen_Dir=-52	CA2.1Y	0	-116	-148
6565	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12S	0	-115	-147
6566	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12X	0	-115	-147
6567	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12XY	0	-115	-147
6568	LC164_ULS_NL6b=Linesmen_Dir=-52	Sd12Y	0	-115	-147
6569	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1P	0	-118	-151
6570	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1X	0	-118	-151
6571	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1XY	0	-118	-151
6572	LC164_ULS_NL6b=Linesmen_Dir=-52	CA1.1Y	0	-118	-151
6573	LC164_ULS_NL6b=Linesmen_Dir=-52	DP	0	-87	-112
6574	LC164_ULS_NL6b=Linesmen_Dir=-52	DX	0	-87	-112
6575	LC164_ULS_NL6b=Linesmen_Dir=-52	DXY	0	-87	-112
6576	LC164_ULS_NL6b=Linesmen_Dir=-52	DY	0	-87	-112
6577	LC164_ULS_NL6b=Linesmen_Dir=-52	TopP	0	-95	-122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6578	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F1A	0	0	0
6579	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F2A	0	0	0
6580	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F3A	769	-664	2184
6581	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F4A	769	-664	2184
6582	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F1A	0	0	0
6583	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F2A	769	-664	2184
6584	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F1A	0	0	0
6585	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F2A	544	-649	2216
6586	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E2F1A	544	-649	2216
6587	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F1B	1095	-5339	-6834
6588	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F2B	1095	-5339	-6834
6589	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F3B	1095	-5339	-6834
6590	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C1F4B	1095	-5339	-6834
6591	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F1B	1095	-5339	-6834
6592	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	C2F2B	1095	-5339	-6834
6593	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F1B	775	-4256	-5448
6594	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E1F2B	775	-4256	-5448
6595	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	E2F1B	0	0	0
6596	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5S	0	-1080	-1383
6597	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5X	0	-1080	-1383
6598	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5XY	0	-1080	-1383
6599	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd5Y	0	-1080	-1383
6600	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CP	0	-1234	-1579
6601	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CX	0	-1234	-1579
6602	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CXY	0	-1234	-1579
6603	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CY	0	-1234	-1579
6604	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10S	0	-538	-689
6605	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10X	0	-538	-689
6606	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10XY	0	-538	-689
6607	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd10Y	0	-538	-689
6608	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1P	0	-323	-413
6609	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1X	0	-323	-413
6610	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1XY	0	-323	-413
6611	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA2.1Y	0	-323	-413
6612	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12S	0	-320	-410
6613	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12X	0	-320	-410
6614	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12XY	0	-320	-410
6615	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	Sd12Y	0	-320	-410
6616	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1P	0	-329	-421
6617	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1X	0	-329	-421
6618	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1XY	0	-329	-421
6619	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	CA1.1Y	0	-329	-421
6620	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DP	0	-243	-312
6621	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DX	0	-243	-312
6622	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DXY	0	-243	-312
6623	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	DY	0	-243	-312
6624	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6625	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F1A	0	0	0
6626	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F2A	0	0	0
6627	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F3A	1051	-1340	4901
6628	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F4A	1051	-1340	4901
6629	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F1A	0	0	0
6630	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F2A	1051	-1340	4901
6631	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F1A	0	0	0
6632	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F2A	801	-1482	5506
6633	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E2F1A	801	-1482	5506
6634	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F1B	1495	-11286	-14446
6635	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F2B	1495	-11286	-14446
6636	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F3B	1495	-11286	-14446
6637	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C1F4B	1495	-11286	-14446
6638	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F1B	1495	-11286	-14446
6639	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	C2F2B	1495	-11286	-14446
6640	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F1B	1140	-10324	-13214
6641	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E1F2B	1140	-10324	-13214
6642	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	E2F1B	0	0	0
6643	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5S	0	-499	-638
6644	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5X	0	-499	-638
6645	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5XY	0	-499	-638
6646	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd5Y	0	-499	-638
6647	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CP	0	-569	-729
6648	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CX	0	-569	-729
6649	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CXY	0	-569	-729
6650	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CY	0	-569	-729
6651	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10S	0	-249	-318
6652	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10X	0	-249	-318
6653	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10XY	0	-249	-318
6654	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd10Y	0	-249	-318
6655	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1P	0	-149	-191
6656	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1X	0	-149	-191
6657	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1XY	0	-149	-191
6658	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA2.1Y	0	-149	-191
6659	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12S	0	-148	-189
6660	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12X	0	-148	-189
6661	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12XY	0	-148	-189
6662	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	Sd12Y	0	-148	-189
6663	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1P	0	-152	-194
6664	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1X	0	-152	-194
6665	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1XY	0	-152	-194
6666	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	CA1.1Y	0	-152	-194
6667	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DP	0	-112	-144
6668	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DX	0	-112	-144
6669	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DXY	0	-112	-144
6670	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	DY	0	-112	-144
6671	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6672	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F1A	0	0	0
6673	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F2A	0	0	0
6674	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F3A	769	-688	2612
6675	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F4A	769	-688	2612
6676	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F1A	0	0	0
6677	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F2A	769	-688	2612
6678	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F1A	0	0	0
6679	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F2A	544	-801	3094
6680	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E2F1A	544	-801	3094
6681	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F1B	1095	-5909	-7563
6682	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F2B	1095	-5909	-7563
6683	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F3B	1095	-5909	-7563
6684	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C1F4B	1095	-5909	-7563
6685	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F1B	1095	-5909	-7563
6686	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	C2F2B	1095	-5909	-7563
6687	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F1B	775	-4810	-6157
6688	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E1F2B	775	-4810	-6157
6689	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	E2F1B	0	0	0
6690	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5S	0	-332	-425
6691	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5X	0	-332	-425
6692	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5XY	0	-332	-425
6693	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd5Y	0	-332	-425
6694	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CP	0	-380	-486
6695	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CX	0	-380	-486
6696	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CXY	0	-380	-486
6697	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CY	0	-380	-486
6698	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10S	0	-166	-212
6699	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10X	0	-166	-212
6700	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10XY	0	-166	-212
6701	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd10Y	0	-166	-212
6702	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1P	0	-99	-127
6703	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1X	0	-99	-127
6704	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1XY	0	-99	-127
6705	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA2.1Y	0	-99	-127
6706	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12S	0	-99	-126
6707	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12X	0	-99	-126
6708	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12XY	0	-99	-126
6709	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	Sd12Y	0	-99	-126
6710	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1P	0	-101	-129
6711	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1X	0	-101	-129
6712	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1XY	0	-101	-129
6713	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	CA1.1Y	0	-101	-129
6714	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DP	0	-75	-96
6715	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DX	0	-75	-96
6716	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DXY	0	-75	-96
6717	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	DY	0	-75	-96
6718	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6719	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F1A	0	0	0
6720	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F2A	0	0	0
6721	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F3A	1154	-713	2711
6722	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F4A	1154	-713	2711
6723	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F1A	0	0	0
6724	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F2A	1154	-713	2711
6725	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F1A	0	0	0
6726	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F2A	817	-727	2797
6727	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E2F1A	817	-727	2797
6728	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F1B	1642	-6508	-8330
6729	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F2B	1642	-6508	-8330
6730	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F3B	1642	-6508	-8330
6731	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C1F4B	1642	-6508	-8330
6732	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F1B	1642	-6508	-8330
6733	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	C2F2B	1642	-6508	-8330
6734	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F1B	1162	-5203	-6660
6735	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E1F2B	1162	-5203	-6660
6736	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	E2F1B	0	0	0
6737	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5S	0	-332	-425
6738	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5X	0	-332	-425
6739	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5XY	0	-332	-425
6740	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd5Y	0	-332	-425
6741	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CP	0	-380	-486
6742	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CX	0	-380	-486
6743	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CXY	0	-380	-486
6744	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CY	0	-380	-486
6745	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10S	0	-166	-212
6746	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10X	0	-166	-212
6747	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10XY	0	-166	-212
6748	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd10Y	0	-166	-212
6749	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1P	0	-99	-127
6750	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1X	0	-99	-127
6751	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1XY	0	-99	-127
6752	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA2.1Y	0	-99	-127
6753	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12S	0	-99	-126
6754	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12X	0	-99	-126
6755	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12XY	0	-99	-126
6756	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	Sd12Y	0	-99	-126
6757	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1P	0	-101	-129
6758	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1X	0	-101	-129
6759	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1XY	0	-101	-129
6760	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	CA1.1Y	0	-101	-129
6761	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DP	0	-75	-96
6762	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DX	0	-75	-96
6763	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DXY	0	-75	-96
6764	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	DY	0	-75	-96
6765	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6766	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F1A	1800	0	0
6767	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F2A	1800	0	0
6768	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F3A	2954	-713	2711
6769	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F4A	2954	-713	2711
6770	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F1A	1800	0	0
6771	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F2A	2954	-713	2711
6772	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F1A	1800	0	0
6773	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F2A	2617	-727	2797
6774	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E2F1A	2617	-727	2797
6775	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F1B	1642	-6508	-8330
6776	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F2B	1642	-6508	-8330
6777	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F3B	1642	-6508	-8330
6778	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C1F4B	1642	-6508	-8330
6779	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F1B	1642	-6508	-8330
6780	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	C2F2B	1642	-6508	-8330
6781	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F1B	1162	-5203	-6660
6782	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E1F2B	1162	-5203	-6660
6783	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	E2F1B	0	0	0
6784	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5S	0	-332	-425
6785	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5X	0	-332	-425
6786	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5XY	0	-332	-425
6787	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd5Y	0	-332	-425
6788	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CP	0	-380	-486
6789	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CX	0	-380	-486
6790	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CXY	0	-380	-486
6791	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CY	0	-380	-486
6792	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10S	0	-166	-212
6793	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10X	0	-166	-212
6794	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10XY	0	-166	-212
6795	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd10Y	0	-166	-212
6796	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1P	0	-99	-127
6797	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1X	0	-99	-127
6798	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1XY	0	-99	-127
6799	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA2.1Y	0	-99	-127
6800	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12S	0	-99	-126
6801	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12X	0	-99	-126
6802	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12XY	0	-99	-126
6803	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	Sd12Y	0	-99	-126
6804	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1P	0	-101	-129
6805	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1X	0	-101	-129
6806	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1XY	0	-101	-129
6807	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	CA1.1Y	0	-101	-129
6808	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DP	0	-75	-96
6809	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DX	0	-75	-96
6810	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DXY	0	-75	-96
6811	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	DY	0	-75	-96
6812	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6813	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F1A	769	-2483	1115
6814	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F2A	769	-2483	1115
6815	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F3A	0	0	0
6816	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F4A	0	0	0
6817	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F1A	769	-2483	1115
6818	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F2A	0	0	0
6819	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F1A	544	-2506	1166
6820	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F2A	0	0	0
6821	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E2F1A	0	0	0
6822	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F1B	1095	-5339	-6834
6823	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F2B	1095	-5339	-6834
6824	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F3B	1095	-5339	-6834
6825	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C1F4B	1095	-5339	-6834
6826	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F1B	1095	-5339	-6834
6827	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	C2F2B	1095	-5339	-6834
6828	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F1B	775	-4256	-5448
6829	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E1F2B	775	-4256	-5448
6830	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	E2F1B	544	-2506	1166
6831	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5S	0	-1080	-1383
6832	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5X	0	-1080	-1383
6833	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5XY	0	-1080	-1383
6834	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd5Y	0	-1080	-1383
6835	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CP	0	-1234	-1579
6836	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CX	0	-1234	-1579
6837	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CXY	0	-1234	-1579
6838	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CY	0	-1234	-1579
6839	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10S	0	-538	-689
6840	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10X	0	-538	-689
6841	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10XY	0	-538	-689
6842	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd10Y	0	-538	-689
6843	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1P	0	-323	-413
6844	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1X	0	-323	-413
6845	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1XY	0	-323	-413
6846	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA2.1Y	0	-323	-413
6847	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12S	0	-320	-410
6848	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12X	0	-320	-410
6849	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12XY	0	-320	-410
6850	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	Sd12Y	0	-320	-410
6851	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1P	0	-329	-421
6852	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1X	0	-329	-421
6853	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1XY	0	-329	-421
6854	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	CA1.1Y	0	-329	-421
6855	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DP	0	-243	-312
6856	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DX	0	-243	-312
6857	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DXY	0	-243	-312
6858	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	DY	0	-243	-312
6859	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6860	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F1A	1051	-5361	2647
6861	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F2A	1051	-5361	2647
6862	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F3A	0	0	0
6863	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F4A	0	0	0
6864	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F1A	1051	-5361	2647
6865	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F2A	0	0	0
6866	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F1A	801	-5932	2966
6867	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F2A	0	0	0
6868	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E2F1A	0	0	0
6869	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F1B	1495	-11286	-14446
6870	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F2B	1495	-11286	-14446
6871	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F3B	1495	-11286	-14446
6872	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C1F4B	1495	-11286	-14446
6873	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F1B	1495	-11286	-14446
6874	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	C2F2B	1495	-11286	-14446
6875	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F1B	1140	-10324	-13214
6876	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E1F2B	1140	-10324	-13214
6877	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	E2F1B	801	-5932	2966
6878	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5S	0	-499	-638
6879	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5X	0	-499	-638
6880	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5XY	0	-499	-638
6881	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd5Y	0	-499	-638
6882	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CP	0	-569	-729
6883	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CX	0	-569	-729
6884	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CXY	0	-569	-729
6885	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CY	0	-569	-729
6886	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10S	0	-249	-318
6887	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10X	0	-249	-318
6888	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10XY	0	-249	-318
6889	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd10Y	0	-249	-318
6890	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1P	0	-149	-191
6891	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1X	0	-149	-191
6892	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1XY	0	-149	-191
6893	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA2.1Y	0	-149	-191
6894	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12S	0	-148	-189
6895	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12X	0	-148	-189
6896	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12XY	0	-148	-189
6897	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	Sd12Y	0	-148	-189
6898	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1P	0	-152	-194
6899	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1X	0	-152	-194
6900	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1XY	0	-152	-194
6901	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	CA1.1Y	0	-152	-194
6902	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DP	0	-112	-144
6903	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DX	0	-112	-144
6904	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DXY	0	-112	-144
6905	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	DY	0	-112	-144
6906	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6907	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F1A	769	-2941	1500
6908	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F2A	769	-2941	1500
6909	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F3A	0	0	0
6910	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F4A	0	0	0
6911	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F1A	769	-2941	1500
6912	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F2A	0	0	0
6913	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F1A	544	-3240	1672
6914	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F2A	0	0	0
6915	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E2F1A	0	0	0
6916	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F1B	1095	-5909	-7563
6917	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F2B	1095	-5909	-7563
6918	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F3B	1095	-5909	-7563
6919	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C1F4B	1095	-5909	-7563
6920	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F1B	1095	-5909	-7563
6921	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	C2F2B	1095	-5909	-7563
6922	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F1B	775	-4810	-6157
6923	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E1F2B	775	-4810	-6157
6924	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	E2F1B	544	-3240	1672
6925	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5S	0	-332	-425
6926	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5X	0	-332	-425
6927	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5XY	0	-332	-425
6928	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd5Y	0	-332	-425
6929	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CP	0	-380	-486
6930	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CX	0	-380	-486
6931	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CXY	0	-380	-486
6932	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CY	0	-380	-486
6933	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10S	0	-166	-212
6934	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10X	0	-166	-212
6935	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10XY	0	-166	-212
6936	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd10Y	0	-166	-212
6937	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1P	0	-99	-127
6938	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1X	0	-99	-127
6939	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1XY	0	-99	-127
6940	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA2.1Y	0	-99	-127
6941	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12S	0	-99	-126
6942	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12X	0	-99	-126
6943	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12XY	0	-99	-126
6944	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	Sd12Y	0	-99	-126
6945	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1P	0	-101	-129
6946	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1X	0	-101	-129
6947	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1XY	0	-101	-129
6948	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	CA1.1Y	0	-101	-129
6949	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DP	0	-75	-96
6950	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DX	0	-75	-96
6951	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DXY	0	-75	-96
6952	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	DY	0	-75	-96
6953	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
6954	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F1A	1154	-2987	1525
6955	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F2A	1154	-2987	1525
6956	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F3A	0	0	0
6957	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F4A	0	0	0
6958	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F1A	1154	-2987	1525
6959	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F2A	0	0	0
6960	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F1A	817	-3061	1576
6961	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F2A	0	0	0
6962	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E2F1A	0	0	0
6963	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F1B	1642	-6508	-8330
6964	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F2B	1642	-6508	-8330
6965	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F3B	1642	-6508	-8330
6966	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C1F4B	1642	-6508	-8330
6967	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F1B	1642	-6508	-8330
6968	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	C2F2B	1642	-6508	-8330
6969	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F1B	1162	-5203	-6660
6970	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E1F2B	1162	-5203	-6660
6971	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	E2F1B	817	-3061	1576
6972	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5S	0	-332	-425
6973	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5X	0	-332	-425
6974	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5XY	0	-332	-425
6975	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd5Y	0	-332	-425
6976	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CP	0	-380	-486
6977	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CX	0	-380	-486
6978	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CXY	0	-380	-486
6979	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CY	0	-380	-486
6980	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10S	0	-166	-212
6981	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10X	0	-166	-212
6982	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10XY	0	-166	-212
6983	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd10Y	0	-166	-212
6984	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1P	0	-99	-127
6985	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1X	0	-99	-127
6986	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1XY	0	-99	-127
6987	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA2.1Y	0	-99	-127
6988	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12S	0	-99	-126
6989	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12X	0	-99	-126
6990	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12XY	0	-99	-126
6991	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	Sd12Y	0	-99	-126
6992	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1P	0	-101	-129
6993	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1X	0	-101	-129
6994	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1XY	0	-101	-129
6995	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	CA1.1Y	0	-101	-129
6996	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DP	0	-75	-96
6997	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DX	0	-75	-96
6998	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DXY	0	-75	-96
6999	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	DY	0	-75	-96
7000	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7001	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F1A	2954	-2987	1525
7002	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F2A	2954	-2987	1525
7003	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F3A	1800	0	0
7004	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F4A	1800	0	0
7005	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F1A	2954	-2987	1525
7006	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F2A	1800	0	0
7007	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F1A	2617	-3061	1576
7008	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F2A	1800	0	0
7009	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E2F1A	1800	0	0
7010	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F1B	1642	-6508	-8330
7011	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F2B	1642	-6508	-8330
7012	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F3B	1642	-6508	-8330
7013	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C1F4B	1642	-6508	-8330
7014	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F1B	1642	-6508	-8330
7015	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	C2F2B	1642	-6508	-8330
7016	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F1B	1162	-5203	-6660
7017	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E1F2B	1162	-5203	-6660
7018	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	E2F1B	817	-3061	1576
7019	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5S	0	-332	-425
7020	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5X	0	-332	-425
7021	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5XY	0	-332	-425
7022	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd5Y	0	-332	-425
7023	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CP	0	-380	-486
7024	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CX	0	-380	-486
7025	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CXY	0	-380	-486
7026	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CY	0	-380	-486
7027	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10S	0	-166	-212
7028	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10X	0	-166	-212
7029	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10XY	0	-166	-212
7030	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd10Y	0	-166	-212
7031	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1P	0	-99	-127
7032	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1X	0	-99	-127
7033	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1XY	0	-99	-127
7034	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA2.1Y	0	-99	-127
7035	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12S	0	-99	-126
7036	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12X	0	-99	-126
7037	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12XY	0	-99	-126
7038	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	Sd12Y	0	-99	-126
7039	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1P	0	-101	-129
7040	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1X	0	-101	-129
7041	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1XY	0	-101	-129
7042	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	CA1.1Y	0	-101	-129
7043	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DP	0	-75	-96
7044	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DX	0	-75	-96
7045	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DXY	0	-75	-96
7046	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	DY	0	-75	-96
7047	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7048	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F1A	769	-2483	1115
7049	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F2A	769	-2483	1115
7050	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F3A	769	-664	2184
7051	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F4A	769	-664	2184
7052	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F1A	769	-2483	1115
7053	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F2A	769	-664	2184
7054	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F1A	544	-2506	1166
7055	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F2A	544	-649	2216
7056	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E2F1A	544	-649	2216
7057	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F1B	0	0	0
7058	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F2B	0	0	0
7059	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F3B	1095	-5339	-6834
7060	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C1F4B	1095	-5339	-6834
7061	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F1B	0	0	0
7062	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	C2F2B	1095	-5339	-6834
7063	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F1B	0	0	0
7064	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E1F2B	775	-4256	-5448
7065	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	E2F1B	544	-2506	1166
7066	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5S	0	-1080	-1383
7067	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5X	0	-1080	-1383
7068	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5XY	0	-1080	-1383
7069	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd5Y	0	-1080	-1383
7070	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CP	0	-1234	-1579
7071	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CX	0	-1234	-1579
7072	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CXY	0	-1234	-1579
7073	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CY	0	-1234	-1579
7074	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10S	0	-538	-689
7075	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10X	0	-538	-689
7076	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10XY	0	-538	-689
7077	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd10Y	0	-538	-689
7078	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1P	0	-323	-413
7079	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1X	0	-323	-413
7080	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1XY	0	-323	-413
7081	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA2.1Y	0	-323	-413
7082	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12S	0	-320	-410
7083	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12X	0	-320	-410
7084	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12XY	0	-320	-410
7085	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	Sd12Y	0	-320	-410
7086	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1P	0	-329	-421
7087	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1X	0	-329	-421
7088	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1XY	0	-329	-421
7089	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	CA1.1Y	0	-329	-421
7090	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DP	0	-243	-312
7091	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DX	0	-243	-312
7092	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DXY	0	-243	-312
7093	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	DY	0	-243	-312
7094	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7095	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F1A	1051	-5361	2647
7096	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F2A	1051	-5361	2647
7097	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F3A	1051	-1340	4901
7098	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F4A	1051	-1340	4901
7099	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F1A	1051	-5361	2647
7100	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F2A	1051	-1340	4901
7101	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F1A	801	-5932	2966
7102	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F2A	801	-1482	5506
7103	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E2F1A	801	-1482	5506
7104	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F1B	0	0	0
7105	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F2B	0	0	0
7106	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F3B	1495	-11286	-14446
7107	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C1F4B	1495	-11286	-14446
7108	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F1B	0	0	0
7109	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	C2F2B	1495	-11286	-14446
7110	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F1B	0	0	0
7111	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E1F2B	1140	-10324	-13214
7112	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	E2F1B	801	-5932	2966
7113	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5S	0	-499	-638
7114	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5X	0	-499	-638
7115	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5XY	0	-499	-638
7116	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd5Y	0	-499	-638
7117	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CP	0	-569	-729
7118	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CX	0	-569	-729
7119	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CXY	0	-569	-729
7120	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CY	0	-569	-729
7121	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10S	0	-249	-318
7122	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10X	0	-249	-318
7123	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10XY	0	-249	-318
7124	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd10Y	0	-249	-318
7125	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1P	0	-149	-191
7126	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1X	0	-149	-191
7127	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1XY	0	-149	-191
7128	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA2.1Y	0	-149	-191
7129	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12S	0	-148	-189
7130	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12X	0	-148	-189
7131	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12XY	0	-148	-189
7132	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	Sd12Y	0	-148	-189
7133	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1P	0	-152	-194
7134	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1X	0	-152	-194
7135	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1XY	0	-152	-194
7136	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	CA1.1Y	0	-152	-194
7137	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DP	0	-112	-144
7138	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DX	0	-112	-144
7139	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DXY	0	-112	-144
7140	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	DY	0	-112	-144
7141	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7142	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F1A	769	-2941	1500
7143	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F2A	769	-2941	1500
7144	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F3A	769	-688	2612
7145	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F4A	769	-688	2612
7146	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F1A	769	-2941	1500
7147	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F2A	769	-688	2612
7148	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F1A	544	-3240	1672
7149	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F2A	544	-801	3094
7150	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E2F1A	544	-801	3094
7151	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F1B	0	0	0
7152	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F2B	0	0	0
7153	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F3B	1095	-5909	-7563
7154	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C1F4B	1095	-5909	-7563
7155	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F1B	0	0	0
7156	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	C2F2B	1095	-5909	-7563
7157	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F1B	0	0	0
7158	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E1F2B	775	-4810	-6157
7159	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	E2F1B	544	-3240	1672
7160	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5S	0	-332	-425
7161	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5X	0	-332	-425
7162	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5XY	0	-332	-425
7163	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd5Y	0	-332	-425
7164	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CP	0	-380	-486
7165	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CX	0	-380	-486
7166	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CXY	0	-380	-486
7167	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CY	0	-380	-486
7168	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10S	0	-166	-212
7169	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10X	0	-166	-212
7170	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10XY	0	-166	-212
7171	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd10Y	0	-166	-212
7172	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1P	0	-99	-127
7173	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1X	0	-99	-127
7174	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1XY	0	-99	-127
7175	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA2.1Y	0	-99	-127
7176	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12S	0	-99	-126
7177	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12X	0	-99	-126
7178	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12XY	0	-99	-126
7179	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	Sd12Y	0	-99	-126
7180	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1P	0	-101	-129
7181	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1X	0	-101	-129
7182	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1XY	0	-101	-129
7183	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	CA1.1Y	0	-101	-129
7184	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DP	0	-75	-96
7185	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DX	0	-75	-96
7186	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DXY	0	-75	-96
7187	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	DY	0	-75	-96
7188	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7189	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F1A	1154	-2987	1525
7190	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F2A	1154	-2987	1525
7191	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F3A	1154	-713	2711
7192	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F4A	1154	-713	2711
7193	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F1A	1154	-2987	1525
7194	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F2A	1154	-713	2711
7195	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F1A	817	-3061	1576
7196	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F2A	817	-727	2797
7197	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E2F1A	817	-727	2797
7198	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F1B	0	0	0
7199	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F2B	0	0	0
7200	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F3B	1642	-6508	-8330
7201	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C1F4B	1642	-6508	-8330
7202	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F1B	0	0	0
7203	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	C2F2B	1642	-6508	-8330
7204	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F1B	0	0	0
7205	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E1F2B	1162	-5203	-6660
7206	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	E2F1B	817	-3061	1576
7207	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5S	0	-332	-425
7208	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5X	0	-332	-425
7209	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5XY	0	-332	-425
7210	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd5Y	0	-332	-425
7211	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CP	0	-380	-486
7212	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CX	0	-380	-486
7213	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CXY	0	-380	-486
7214	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CY	0	-380	-486
7215	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10S	0	-166	-212
7216	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10X	0	-166	-212
7217	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10XY	0	-166	-212
7218	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd10Y	0	-166	-212
7219	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1P	0	-99	-127
7220	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1X	0	-99	-127
7221	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1XY	0	-99	-127
7222	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA2.1Y	0	-99	-127
7223	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12S	0	-99	-126
7224	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12X	0	-99	-126
7225	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12XY	0	-99	-126
7226	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	Sd12Y	0	-99	-126
7227	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1P	0	-101	-129
7228	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1X	0	-101	-129
7229	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1XY	0	-101	-129
7230	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	CA1.1Y	0	-101	-129
7231	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DP	0	-75	-96
7232	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DX	0	-75	-96
7233	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DXY	0	-75	-96
7234	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	DY	0	-75	-96
7235	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7236	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F1A	2954	-2987	1525
7237	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F2A	2954	-2987	1525
7238	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F3A	2954	-713	2711
7239	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F4A	2954	-713	2711
7240	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F1A	2954	-2987	1525
7241	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F2A	2954	-713	2711
7242	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F1A	2617	-3061	1576
7243	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F2A	2617	-727	2797
7244	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E2F1A	2617	-727	2797
7245	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F1B	0	0	0
7246	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F2B	0	0	0
7247	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F3B	1642	-6508	-8330
7248	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C1F4B	1642	-6508	-8330
7249	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F1B	0	0	0
7250	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	C2F2B	1642	-6508	-8330
7251	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F1B	0	0	0
7252	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E1F2B	1162	-5203	-6660
7253	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	E2F1B	817	-3061	1576
7254	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5S	0	-332	-425
7255	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5X	0	-332	-425
7256	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5XY	0	-332	-425
7257	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd5Y	0	-332	-425
7258	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CP	0	-380	-486
7259	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CX	0	-380	-486
7260	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CXY	0	-380	-486
7261	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CY	0	-380	-486
7262	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10S	0	-166	-212
7263	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10X	0	-166	-212
7264	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10XY	0	-166	-212
7265	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd10Y	0	-166	-212
7266	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1P	0	-99	-127
7267	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1X	0	-99	-127
7268	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1XY	0	-99	-127
7269	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA2.1Y	0	-99	-127
7270	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12S	0	-99	-126
7271	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12X	0	-99	-126
7272	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12XY	0	-99	-126
7273	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	Sd12Y	0	-99	-126
7274	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1P	0	-101	-129
7275	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1X	0	-101	-129
7276	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1XY	0	-101	-129
7277	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	CA1.1Y	0	-101	-129
7278	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DP	0	-75	-96
7279	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DX	0	-75	-96
7280	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DXY	0	-75	-96
7281	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	DY	0	-75	-96
7282	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7283	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F1A	769	-2483	1115
7284	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F2A	769	-2483	1115
7285	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F3A	769	-664	2184
7286	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F4A	769	-664	2184
7287	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F1A	769	-2483	1115
7288	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F2A	769	-664	2184
7289	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F1A	544	-2506	1166
7290	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F2A	544	-649	2216
7291	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E2F1A	544	-649	2216
7292	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F1B	1095	-5339	-6834
7293	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F2B	1095	-5339	-6834
7294	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F3B	0	0	0
7295	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C1F4B	0	0	0
7296	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F1B	1095	-5339	-6834
7297	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	C2F2B	0	0	0
7298	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F1B	775	-4256	-5448
7299	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E1F2B	0	0	0
7300	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	E2F1B	544	-2506	1166
7301	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5S	0	-1080	-1383
7302	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5X	0	-1080	-1383
7303	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5XY	0	-1080	-1383
7304	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd5Y	0	-1080	-1383
7305	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CP	0	-1234	-1579
7306	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CX	0	-1234	-1579
7307	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CXY	0	-1234	-1579
7308	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CY	0	-1234	-1579
7309	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10S	0	-538	-689
7310	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10X	0	-538	-689
7311	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10XY	0	-538	-689
7312	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd10Y	0	-538	-689
7313	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1P	0	-323	-413
7314	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1X	0	-323	-413
7315	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1XY	0	-323	-413
7316	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA2.1Y	0	-323	-413
7317	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12S	0	-320	-410
7318	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12X	0	-320	-410
7319	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12XY	0	-320	-410
7320	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	Sd12Y	0	-320	-410
7321	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1P	0	-329	-421
7322	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1X	0	-329	-421
7323	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1XY	0	-329	-421
7324	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	CA1.1Y	0	-329	-421
7325	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DP	0	-243	-312
7326	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DX	0	-243	-312
7327	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DXY	0	-243	-312
7328	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	DY	0	-243	-312
7329	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7330	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F1A	1051	-5361	2647
7331	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F2A	1051	-5361	2647
7332	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F3A	1051	-1340	4901
7333	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F4A	1051	-1340	4901
7334	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F1A	1051	-5361	2647
7335	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F2A	1051	-1340	4901
7336	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F1A	801	-5932	2966
7337	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F2A	801	-1482	5506
7338	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E2F1A	801	-1482	5506
7339	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F1B	1495	-11286	-14446
7340	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F2B	1495	-11286	-14446
7341	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F3B	0	0	0
7342	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C1F4B	0	0	0
7343	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F1B	1495	-11286	-14446
7344	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	C2F2B	0	0	0
7345	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F1B	1140	-10324	-13214
7346	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E1F2B	0	0	0
7347	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	E2F1B	801	-5932	2966
7348	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5S	0	-499	-638
7349	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5X	0	-499	-638
7350	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5XY	0	-499	-638
7351	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd5Y	0	-499	-638
7352	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CP	0	-569	-729
7353	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CX	0	-569	-729
7354	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CXY	0	-569	-729
7355	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CY	0	-569	-729
7356	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10S	0	-249	-318
7357	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10X	0	-249	-318
7358	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10XY	0	-249	-318
7359	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd10Y	0	-249	-318
7360	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1P	0	-149	-191
7361	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1X	0	-149	-191
7362	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1XY	0	-149	-191
7363	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA2.1Y	0	-149	-191
7364	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12S	0	-148	-189
7365	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12X	0	-148	-189
7366	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12XY	0	-148	-189
7367	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	Sd12Y	0	-148	-189
7368	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1P	0	-152	-194
7369	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1X	0	-152	-194
7370	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1XY	0	-152	-194
7371	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	CA1.1Y	0	-152	-194
7372	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DP	0	-112	-144
7373	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DX	0	-112	-144
7374	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DXY	0	-112	-144
7375	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	DY	0	-112	-144
7376	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7377	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F1A	769	-2941	1500
7378	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F2A	769	-2941	1500
7379	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F3A	769	-688	2612
7380	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F4A	769	-688	2612
7381	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F1A	769	-2941	1500
7382	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F2A	769	-688	2612
7383	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F1A	544	-3240	1672
7384	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F2A	544	-801	3094
7385	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E2F1A	544	-801	3094
7386	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F1B	1095	-5909	-7563
7387	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F2B	1095	-5909	-7563
7388	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F3B	0	0	0
7389	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C1F4B	0	0	0
7390	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F1B	1095	-5909	-7563
7391	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	C2F2B	0	0	0
7392	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F1B	775	-4810	-6157
7393	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E1F2B	0	0	0
7394	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	E2F1B	544	-3240	1672
7395	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5S	0	-332	-425
7396	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5X	0	-332	-425
7397	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5XY	0	-332	-425
7398	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd5Y	0	-332	-425
7399	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CP	0	-380	-486
7400	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CX	0	-380	-486
7401	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CXY	0	-380	-486
7402	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CY	0	-380	-486
7403	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10S	0	-166	-212
7404	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10X	0	-166	-212
7405	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10XY	0	-166	-212
7406	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd10Y	0	-166	-212
7407	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1P	0	-99	-127
7408	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1X	0	-99	-127
7409	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1XY	0	-99	-127
7410	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA2.1Y	0	-99	-127
7411	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12S	0	-99	-126
7412	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12X	0	-99	-126
7413	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12XY	0	-99	-126
7414	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	Sd12Y	0	-99	-126
7415	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1P	0	-101	-129
7416	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1X	0	-101	-129
7417	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1XY	0	-101	-129
7418	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	CA1.1Y	0	-101	-129
7419	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DP	0	-75	-96
7420	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DX	0	-75	-96
7421	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DXY	0	-75	-96
7422	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	DY	0	-75	-96
7423	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7424	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F1A	1154	-2987	1525
7425	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F2A	1154	-2987	1525
7426	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F3A	1154	-713	2711
7427	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F4A	1154	-713	2711
7428	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F1A	1154	-2987	1525
7429	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F2A	1154	-713	2711
7430	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F1A	817	-3061	1576
7431	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F2A	817	-727	2797
7432	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E2F1A	817	-727	2797
7433	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F1B	1642	-6508	-8330
7434	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F2B	1642	-6508	-8330
7435	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F3B	0	0	0
7436	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C1F4B	0	0	0
7437	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F1B	1642	-6508	-8330
7438	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	C2F2B	0	0	0
7439	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F1B	1162	-5203	-6660
7440	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E1F2B	0	0	0
7441	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	E2F1B	817	-3061	1576
7442	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5S	0	-332	-425
7443	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5X	0	-332	-425
7444	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5XY	0	-332	-425
7445	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd5Y	0	-332	-425
7446	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CP	0	-380	-486
7447	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CX	0	-380	-486
7448	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CXY	0	-380	-486
7449	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CY	0	-380	-486
7450	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10S	0	-166	-212
7451	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10X	0	-166	-212
7452	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10XY	0	-166	-212
7453	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd10Y	0	-166	-212
7454	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1P	0	-99	-127
7455	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1X	0	-99	-127
7456	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1XY	0	-99	-127
7457	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA2.1Y	0	-99	-127
7458	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12S	0	-99	-126
7459	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12X	0	-99	-126
7460	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12XY	0	-99	-126
7461	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	Sd12Y	0	-99	-126
7462	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1P	0	-101	-129
7463	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1X	0	-101	-129
7464	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1XY	0	-101	-129
7465	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	CA1.1Y	0	-101	-129
7466	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DP	0	-75	-96
7467	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DX	0	-75	-96
7468	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DXY	0	-75	-96
7469	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	DY	0	-75	-96
7470	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7471	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F1A	2954	-2987	1525
7472	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F2A	2954	-2987	1525
7473	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F3A	2954	-713	2711
7474	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F4A	2954	-713	2711
7475	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F1A	2954	-2987	1525
7476	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F2A	2954	-713	2711
7477	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F1A	2617	-3061	1576
7478	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F2A	2617	-727	2797
7479	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E2F1A	2617	-727	2797
7480	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F1B	1642	-6508	-8330
7481	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F2B	1642	-6508	-8330
7482	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F3B	0	0	0
7483	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C1F4B	0	0	0
7484	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F1B	1642	-6508	-8330
7485	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	C2F2B	0	0	0
7486	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F1B	1162	-5203	-6660
7487	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E1F2B	0	0	0
7488	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	E2F1B	817	-3061	1576
7489	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5S	0	-332	-425
7490	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5X	0	-332	-425
7491	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5XY	0	-332	-425
7492	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd5Y	0	-332	-425
7493	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CP	0	-380	-486
7494	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CX	0	-380	-486
7495	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CXY	0	-380	-486
7496	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CY	0	-380	-486
7497	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10S	0	-166	-212
7498	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10X	0	-166	-212
7499	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10XY	0	-166	-212
7500	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd10Y	0	-166	-212
7501	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1P	0	-99	-127
7502	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1X	0	-99	-127
7503	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1XY	0	-99	-127
7504	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA2.1Y	0	-99	-127
7505	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12S	0	-99	-126
7506	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12X	0	-99	-126
7507	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12XY	0	-99	-126
7508	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	Sd12Y	0	-99	-126
7509	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1P	0	-101	-129
7510	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1X	0	-101	-129
7511	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1XY	0	-101	-129
7512	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	CA1.1Y	0	-101	-129
7513	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DP	0	-75	-96
7514	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DX	0	-75	-96
7515	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DXY	0	-75	-96
7516	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	DY	0	-75	-96
7517	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7518	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F1A	0	0	0
7519	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F2A	0	0	0
7520	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F3A	0	0	0
7521	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F4A	0	0	0
7522	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F1A	0	0	0
7523	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F2A	0	0	0
7524	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F1A	0	0	0
7525	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F2A	0	0	0
7526	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E2F1A	0	0	0
7527	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F1B	1095	-5339	-6834
7528	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F2B	1095	-5339	-6834
7529	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F3B	1095	-5339	-6834
7530	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C1F4B	1095	-5339	-6834
7531	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F1B	1095	-5339	-6834
7532	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	C2F2B	1095	-5339	-6834
7533	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F1B	775	-4256	-5448
7534	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E1F2B	775	-4256	-5448
7535	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	E2F1B	0	0	0
7536	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5S	0	-1080	-1383
7537	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5X	0	-1080	-1383
7538	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5XY	0	-1080	-1383
7539	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd5Y	0	-1080	-1383
7540	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CP	0	-1234	-1579
7541	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CX	0	-1234	-1579
7542	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CXY	0	-1234	-1579
7543	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CY	0	-1234	-1579
7544	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10S	0	-538	-689
7545	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10X	0	-538	-689
7546	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10XY	0	-538	-689
7547	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd10Y	0	-538	-689
7548	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1P	0	-323	-413
7549	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1X	0	-323	-413
7550	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1XY	0	-323	-413
7551	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA2.1Y	0	-323	-413
7552	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12S	0	-320	-410
7553	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12X	0	-320	-410
7554	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12XY	0	-320	-410
7555	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	Sd12Y	0	-320	-410
7556	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1P	0	-329	-421
7557	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1X	0	-329	-421
7558	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1XY	0	-329	-421
7559	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	CA1.1Y	0	-329	-421
7560	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DP	0	-243	-312
7561	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DX	0	-243	-312
7562	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DXY	0	-243	-312
7563	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	DY	0	-243	-312
7564	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7565	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F1A	0	0	0
7566	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F2A	0	0	0
7567	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F3A	0	0	0
7568	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F4A	0	0	0
7569	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F1A	0	0	0
7570	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F2A	0	0	0
7571	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F1A	0	0	0
7572	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F2A	0	0	0
7573	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E2F1A	0	0	0
7574	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F1B	1495	-11286	-14446
7575	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F2B	1495	-11286	-14446
7576	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F3B	1495	-11286	-14446
7577	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C1F4B	1495	-11286	-14446
7578	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F1B	1495	-11286	-14446
7579	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	C2F2B	1495	-11286	-14446
7580	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F1B	1140	-10324	-13214
7581	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E1F2B	1140	-10324	-13214
7582	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	E2F1B	0	0	0
7583	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5S	0	-499	-638
7584	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5X	0	-499	-638
7585	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5XY	0	-499	-638
7586	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd5Y	0	-499	-638
7587	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CP	0	-569	-729
7588	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CX	0	-569	-729
7589	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CXY	0	-569	-729
7590	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CY	0	-569	-729
7591	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10S	0	-249	-318
7592	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10X	0	-249	-318
7593	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10XY	0	-249	-318
7594	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd10Y	0	-249	-318
7595	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1P	0	-149	-191
7596	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1X	0	-149	-191
7597	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1XY	0	-149	-191
7598	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA2.1Y	0	-149	-191
7599	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12S	0	-148	-189
7600	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12X	0	-148	-189
7601	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12XY	0	-148	-189
7602	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	Sd12Y	0	-148	-189
7603	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1P	0	-152	-194
7604	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1X	0	-152	-194
7605	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1XY	0	-152	-194
7606	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	CA1.1Y	0	-152	-194
7607	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DP	0	-112	-144
7608	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DX	0	-112	-144
7609	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DXY	0	-112	-144
7610	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	DY	0	-112	-144
7611	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7612	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F1A	0	0	0
7613	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F2A	0	0	0
7614	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F3A	0	0	0
7615	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F4A	0	0	0
7616	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F1A	0	0	0
7617	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F2A	0	0	0
7618	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F1A	0	0	0
7619	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F2A	0	0	0
7620	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E2F1A	0	0	0
7621	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F1B	1095	-5909	-7563
7622	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F2B	1095	-5909	-7563
7623	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F3B	1095	-5909	-7563
7624	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C1F4B	1095	-5909	-7563
7625	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F1B	1095	-5909	-7563
7626	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	C2F2B	1095	-5909	-7563
7627	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F1B	775	-4810	-6157
7628	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E1F2B	775	-4810	-6157
7629	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	E2F1B	0	0	0
7630	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5S	0	-332	-425
7631	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5X	0	-332	-425
7632	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5XY	0	-332	-425
7633	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd5Y	0	-332	-425
7634	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CP	0	-380	-486
7635	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CX	0	-380	-486
7636	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CXY	0	-380	-486
7637	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CY	0	-380	-486
7638	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10S	0	-166	-212
7639	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10X	0	-166	-212
7640	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10XY	0	-166	-212
7641	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd10Y	0	-166	-212
7642	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1P	0	-99	-127
7643	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1X	0	-99	-127
7644	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1XY	0	-99	-127
7645	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA2.1Y	0	-99	-127
7646	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12S	0	-99	-126
7647	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12X	0	-99	-126
7648	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12XY	0	-99	-126
7649	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	Sd12Y	0	-99	-126
7650	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1P	0	-101	-129
7651	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1X	0	-101	-129
7652	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1XY	0	-101	-129
7653	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	CA1.1Y	0	-101	-129
7654	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DP	0	-75	-96
7655	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DX	0	-75	-96
7656	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DXY	0	-75	-96
7657	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	DY	0	-75	-96
7658	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7659	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F1A	0	0	0
7660	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F2A	0	0	0
7661	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F3A	0	0	0
7662	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F4A	0	0	0
7663	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F1A	0	0	0
7664	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F2A	0	0	0
7665	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F1A	0	0	0
7666	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F2A	0	0	0
7667	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E2F1A	0	0	0
7668	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F1B	1642	-6508	-8330
7669	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F2B	1642	-6508	-8330
7670	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F3B	1642	-6508	-8330
7671	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C1F4B	1642	-6508	-8330
7672	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F1B	1642	-6508	-8330
7673	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	C2F2B	1642	-6508	-8330
7674	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F1B	1162	-5203	-6660
7675	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E1F2B	1162	-5203	-6660
7676	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	E2F1B	0	0	0
7677	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5S	0	-332	-425
7678	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5X	0	-332	-425
7679	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5XY	0	-332	-425
7680	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd5Y	0	-332	-425
7681	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CP	0	-380	-486
7682	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CX	0	-380	-486
7683	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CXY	0	-380	-486
7684	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CY	0	-380	-486
7685	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10S	0	-166	-212
7686	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10X	0	-166	-212
7687	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10XY	0	-166	-212
7688	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd10Y	0	-166	-212
7689	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1P	0	-99	-127
7690	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1X	0	-99	-127
7691	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1XY	0	-99	-127
7692	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA2.1Y	0	-99	-127
7693	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12S	0	-99	-126
7694	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12X	0	-99	-126
7695	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12XY	0	-99	-126
7696	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	Sd12Y	0	-99	-126
7697	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1P	0	-101	-129
7698	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1X	0	-101	-129
7699	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1XY	0	-101	-129
7700	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	CA1.1Y	0	-101	-129
7701	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DP	0	-75	-96
7702	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DX	0	-75	-96
7703	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DXY	0	-75	-96
7704	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	DY	0	-75	-96
7705	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7706	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F1A	0	0	0
7707	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F2A	0	0	0
7708	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F3A	0	0	0
7709	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F4A	0	0	0
7710	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F1A	0	0	0
7711	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F2A	0	0	0
7712	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F1A	0	0	0
7713	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F2A	0	0	0
7714	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E2F1A	0	0	0
7715	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F1B	3442	-6508	-8330
7716	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F2B	3442	-6508	-8330
7717	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F3B	3442	-6508	-8330
7718	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C1F4B	3442	-6508	-8330
7719	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F1B	3442	-6508	-8330
7720	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	C2F2B	3442	-6508	-8330
7721	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F1B	2962	-5203	-6660
7722	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E1F2B	2962	-5203	-6660
7723	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	E2F1B	1800	0	0
7724	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5S	0	-332	-425
7725	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5X	0	-332	-425
7726	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5XY	0	-332	-425
7727	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd5Y	0	-332	-425
7728	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CP	0	-380	-486
7729	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CX	0	-380	-486
7730	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CXY	0	-380	-486
7731	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CY	0	-380	-486
7732	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10S	0	-166	-212
7733	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10X	0	-166	-212
7734	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10XY	0	-166	-212
7735	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd10Y	0	-166	-212
7736	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1P	0	-99	-127
7737	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1X	0	-99	-127
7738	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1XY	0	-99	-127
7739	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA2.1Y	0	-99	-127
7740	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12S	0	-99	-126
7741	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12X	0	-99	-126
7742	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12XY	0	-99	-126
7743	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	Sd12Y	0	-99	-126
7744	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1P	0	-101	-129
7745	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1X	0	-101	-129
7746	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1XY	0	-101	-129
7747	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	CA1.1Y	0	-101	-129
7748	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DP	0	-75	-96
7749	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DX	0	-75	-96
7750	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DXY	0	-75	-96
7751	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	DY	0	-75	-96
7752	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7753	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F1A	769	-2483	1115
7754	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F2A	769	-2483	1115
7755	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F3A	769	-664	2184
7756	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F4A	769	-664	2184
7757	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F1A	769	-2483	1115
7758	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F2A	769	-664	2184
7759	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F1A	544	-2506	1166
7760	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F2A	544	-649	2216
7761	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E2F1A	544	-649	2216
7762	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F1B	0	0	0
7763	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F2B	0	0	0
7764	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F3B	0	0	0
7765	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C1F4B	0	0	0
7766	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F1B	0	0	0
7767	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	C2F2B	0	0	0
7768	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F1B	0	0	0
7769	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E1F2B	0	0	0
7770	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	E2F1B	544	-2506	1166
7771	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5S	0	-1080	-1383
7772	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5X	0	-1080	-1383
7773	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5XY	0	-1080	-1383
7774	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd5Y	0	-1080	-1383
7775	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CP	0	-1234	-1579
7776	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CX	0	-1234	-1579
7777	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CXY	0	-1234	-1579
7778	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CY	0	-1234	-1579
7779	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10S	0	-538	-689
7780	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10X	0	-538	-689
7781	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10XY	0	-538	-689
7782	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd10Y	0	-538	-689
7783	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1P	0	-323	-413
7784	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1X	0	-323	-413
7785	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1XY	0	-323	-413
7786	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA2.1Y	0	-323	-413
7787	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12S	0	-320	-410
7788	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12X	0	-320	-410
7789	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12XY	0	-320	-410
7790	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	Sd12Y	0	-320	-410
7791	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1P	0	-329	-421
7792	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1X	0	-329	-421
7793	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1XY	0	-329	-421
7794	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	CA1.1Y	0	-329	-421
7795	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DP	0	-243	-312
7796	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DX	0	-243	-312
7797	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DXY	0	-243	-312
7798	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	DY	0	-243	-312
7799	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	TopP	0	-264	-339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7800	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F1A	1051	-5361	2647
7801	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F2A	1051	-5361	2647
7802	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F3A	1051	-1340	4901
7803	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F4A	1051	-1340	4901
7804	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F1A	1051	-5361	2647
7805	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F2A	1051	-1340	4901
7806	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F1A	801	-5932	2966
7807	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F2A	801	-1482	5506
7808	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E2F1A	801	-1482	5506
7809	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F1B	0	0	0
7810	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F2B	0	0	0
7811	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F3B	0	0	0
7812	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C1F4B	0	0	0
7813	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F1B	0	0	0
7814	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	C2F2B	0	0	0
7815	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F1B	0	0	0
7816	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E1F2B	0	0	0
7817	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	E2F1B	801	-5932	2966
7818	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5S	0	-499	-638
7819	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5X	0	-499	-638
7820	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5XY	0	-499	-638
7821	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd5Y	0	-499	-638
7822	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CP	0	-569	-729
7823	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CX	0	-569	-729
7824	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CXY	0	-569	-729
7825	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CY	0	-569	-729
7826	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10S	0	-249	-318
7827	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10X	0	-249	-318
7828	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10XY	0	-249	-318
7829	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd10Y	0	-249	-318
7830	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1P	0	-149	-191
7831	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1X	0	-149	-191
7832	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1XY	0	-149	-191
7833	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA2.1Y	0	-149	-191
7834	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12S	0	-148	-189
7835	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12X	0	-148	-189
7836	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12XY	0	-148	-189
7837	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	Sd12Y	0	-148	-189
7838	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1P	0	-152	-194
7839	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1X	0	-152	-194
7840	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1XY	0	-152	-194
7841	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	CA1.1Y	0	-152	-194
7842	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DP	0	-112	-144
7843	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DX	0	-112	-144
7844	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DXY	0	-112	-144
7845	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	DY	0	-112	-144
7846	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	TopP	0	-122	-156

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7847	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F1A	769	-2941	1500
7848	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F2A	769	-2941	1500
7849	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F3A	769	-688	2612
7850	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F4A	769	-688	2612
7851	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F1A	769	-2941	1500
7852	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F2A	769	-688	2612
7853	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F1A	544	-3240	1672
7854	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F2A	544	-801	3094
7855	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E2F1A	544	-801	3094
7856	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F1B	0	0	0
7857	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F2B	0	0	0
7858	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F3B	0	0	0
7859	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C1F4B	0	0	0
7860	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F1B	0	0	0
7861	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	C2F2B	0	0	0
7862	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F1B	0	0	0
7863	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E1F2B	0	0	0
7864	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	E2F1B	544	-3240	1672
7865	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5S	0	-332	-425
7866	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5X	0	-332	-425
7867	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5XY	0	-332	-425
7868	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd5Y	0	-332	-425
7869	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CP	0	-380	-486
7870	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CX	0	-380	-486
7871	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CXY	0	-380	-486
7872	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CY	0	-380	-486
7873	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10S	0	-166	-212
7874	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10X	0	-166	-212
7875	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10XY	0	-166	-212
7876	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd10Y	0	-166	-212
7877	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1P	0	-99	-127
7878	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1X	0	-99	-127
7879	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1XY	0	-99	-127
7880	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA2.1Y	0	-99	-127
7881	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12S	0	-99	-126
7882	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12X	0	-99	-126
7883	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12XY	0	-99	-126
7884	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	Sd12Y	0	-99	-126
7885	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1P	0	-101	-129
7886	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1X	0	-101	-129
7887	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1XY	0	-101	-129
7888	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	CA1.1Y	0	-101	-129
7889	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DP	0	-75	-96
7890	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DX	0	-75	-96
7891	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DXY	0	-75	-96
7892	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	DY	0	-75	-96
7893	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7894	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F1A	1154	-2987	1525
7895	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F2A	1154	-2987	1525
7896	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F3A	1154	-713	2711
7897	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F4A	1154	-713	2711
7898	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F1A	1154	-2987	1525
7899	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F2A	1154	-713	2711
7900	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F1A	817	-3061	1576
7901	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F2A	817	-727	2797
7902	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E2F1A	817	-727	2797
7903	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F1B	0	0	0
7904	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F2B	0	0	0
7905	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F3B	0	0	0
7906	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C1F4B	0	0	0
7907	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F1B	0	0	0
7908	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	C2F2B	0	0	0
7909	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F1B	0	0	0
7910	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E1F2B	0	0	0
7911	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	E2F1B	817	-3061	1576
7912	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5S	0	-332	-425
7913	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5X	0	-332	-425
7914	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5XY	0	-332	-425
7915	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd5Y	0	-332	-425
7916	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CP	0	-380	-486
7917	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CX	0	-380	-486
7918	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CXY	0	-380	-486
7919	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CY	0	-380	-486
7920	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10S	0	-166	-212
7921	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10X	0	-166	-212
7922	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10XY	0	-166	-212
7923	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd10Y	0	-166	-212
7924	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1P	0	-99	-127
7925	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1X	0	-99	-127
7926	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1XY	0	-99	-127
7927	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA2.1Y	0	-99	-127
7928	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12S	0	-99	-126
7929	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12X	0	-99	-126
7930	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12XY	0	-99	-126
7931	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	Sd12Y	0	-99	-126
7932	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1P	0	-101	-129
7933	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1X	0	-101	-129
7934	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1XY	0	-101	-129
7935	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	CA1.1Y	0	-101	-129
7936	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DP	0	-75	-96
7937	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DX	0	-75	-96
7938	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DXY	0	-75	-96
7939	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	DY	0	-75	-96
7940	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7941	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F1A	2954	-2987	1525
7942	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F2A	2954	-2987	1525
7943	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F3A	2954	-713	2711
7944	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F4A	2954	-713	2711
7945	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F1A	2954	-2987	1525
7946	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F2A	2954	-713	2711
7947	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F1A	2617	-3061	1576
7948	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F2A	2617	-727	2797
7949	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E2F1A	2617	-727	2797
7950	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F1B	0	0	0
7951	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F2B	0	0	0
7952	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F3B	0	0	0
7953	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C1F4B	0	0	0
7954	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F1B	0	0	0
7955	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	C2F2B	0	0	0
7956	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F1B	0	0	0
7957	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E1F2B	0	0	0
7958	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	E2F1B	817	-3061	1576
7959	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5S	0	-332	-425
7960	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5X	0	-332	-425
7961	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5XY	0	-332	-425
7962	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd5Y	0	-332	-425
7963	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CP	0	-380	-486
7964	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CX	0	-380	-486
7965	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CXY	0	-380	-486
7966	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CY	0	-380	-486
7967	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10S	0	-166	-212
7968	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10X	0	-166	-212
7969	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10XY	0	-166	-212
7970	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd10Y	0	-166	-212
7971	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1P	0	-99	-127
7972	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1X	0	-99	-127
7973	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1XY	0	-99	-127
7974	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA2.1Y	0	-99	-127
7975	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12S	0	-99	-126
7976	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12X	0	-99	-126
7977	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12XY	0	-99	-126
7978	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	Sd12Y	0	-99	-126
7979	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1P	0	-101	-129
7980	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1X	0	-101	-129
7981	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1XY	0	-101	-129
7982	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	CA1.1Y	0	-101	-129
7983	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DP	0	-75	-96
7984	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DX	0	-75	-96
7985	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DXY	0	-75	-96
7986	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	DY	0	-75	-96
7987	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	TopP	0	-81	-104

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
7988	LC195_SeLS_NL1a=Wind_Dir=-52	C1F1A	669	-2194	903
7989	LC195_SeLS_NL1a=Wind_Dir=-52	C1F2A	669	-2194	903
7990	LC195_SeLS_NL1a=Wind_Dir=-52	C1F3A	669	-624	1888
7991	LC195_SeLS_NL1a=Wind_Dir=-52	C1F4A	669	-624	1888
7992	LC195_SeLS_NL1a=Wind_Dir=-52	C2F1A	669	-2194	903
7993	LC195_SeLS_NL1a=Wind_Dir=-52	C2F2A	669	-624	1888
7994	LC195_SeLS_NL1a=Wind_Dir=-52	E1F1A	473	-2207	960
7995	LC195_SeLS_NL1a=Wind_Dir=-52	E1F2A	473	-602	1917
7996	LC195_SeLS_NL1a=Wind_Dir=-52	E2F1A	473	-602	1917
7997	LC195_SeLS_NL1a=Wind_Dir=-52	C1F1B	952	-4643	-5943
7998	LC195_SeLS_NL1a=Wind_Dir=-52	C1F2B	952	-4643	-5943
7999	LC195_SeLS_NL1a=Wind_Dir=-52	C1F3B	952	-4643	-5943
8000	LC195_SeLS_NL1a=Wind_Dir=-52	C1F4B	952	-4643	-5943
8001	LC195_SeLS_NL1a=Wind_Dir=-52	C2F1B	952	-4643	-5943
8002	LC195_SeLS_NL1a=Wind_Dir=-52	C2F2B	952	-4643	-5943
8003	LC195_SeLS_NL1a=Wind_Dir=-52	E1F1B	674	-3701	-4737
8004	LC195_SeLS_NL1a=Wind_Dir=-52	E1F2B	674	-3701	-4737
8005	LC195_SeLS_NL1a=Wind_Dir=-52	E2F1B	473	-2207	960
8006	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5S	0	-1385	-1772
8007	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5X	0	-1385	-1772
8008	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5XY	0	-1385	-1772
8009	LC195_SeLS_NL1a=Wind_Dir=-52	Sd5Y	0	-1385	-1772
8010	LC195_SeLS_NL1a=Wind_Dir=-52	CP	0	-1582	-2024
8011	LC195_SeLS_NL1a=Wind_Dir=-52	CX	0	-1582	-2024
8012	LC195_SeLS_NL1a=Wind_Dir=-52	CXY	0	-1582	-2024
8013	LC195_SeLS_NL1a=Wind_Dir=-52	CY	0	-1582	-2024
8014	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10S	0	-690	-884
8015	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10X	0	-690	-884
8016	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10XY	0	-690	-884
8017	LC195_SeLS_NL1a=Wind_Dir=-52	Sd10Y	0	-690	-884
8018	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1P	0	-414	-529
8019	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1X	0	-414	-529
8020	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1XY	0	-414	-529
8021	LC195_SeLS_NL1a=Wind_Dir=-52	CA2.1Y	0	-414	-529
8022	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12S	0	-411	-526
8023	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12X	0	-411	-526
8024	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12XY	0	-411	-526
8025	LC195_SeLS_NL1a=Wind_Dir=-52	Sd12Y	0	-411	-526
8026	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1P	0	-421	-539
8027	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1X	0	-421	-539
8028	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1XY	0	-421	-539
8029	LC195_SeLS_NL1a=Wind_Dir=-52	CA1.1Y	0	-421	-539
8030	LC195_SeLS_NL1a=Wind_Dir=-52	DP	0	-312	-400
8031	LC195_SeLS_NL1a=Wind_Dir=-52	DX	0	-312	-400
8032	LC195_SeLS_NL1a=Wind_Dir=-52	DXY	0	-312	-400
8033	LC195_SeLS_NL1a=Wind_Dir=-52	DY	0	-312	-400
8034	LC195_SeLS_NL1a=Wind_Dir=-52	TopP	0	-339	-434

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8035	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F1A	1496	-4659	2308
8036	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F2A	1496	-4659	2308
8037	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F3A	1496	-1161	4262
8038	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F4A	1496	-1161	4262
8039	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F1A	1496	-4659	2308
8040	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F2A	1496	-1161	4262
8041	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F1A	1228	-5156	2585
8042	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F2A	1228	-1285	4789
8043	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E2F1A	1228	-1285	4789
8044	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F1B	2130	-9814	-12561
8045	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F2B	2130	-9814	-12561
8046	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F3B	2130	-9814	-12561
8047	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C1F4B	2130	-9814	-12561
8048	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F1B	2130	-9814	-12561
8049	LC196_SeLS_NL3=Wind+Ice_Dir=-52	C2F2B	2130	-9814	-12561
8050	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F1B	1748	-8977	-11490
8051	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E1F2B	1748	-8977	-11490
8052	LC196_SeLS_NL3=Wind+Ice_Dir=-52	E2F1B	1228	-5156	2585
8053	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5S	0	-415	-532
8054	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5X	0	-415	-532
8055	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5XY	0	-415	-532
8056	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd5Y	0	-415	-532
8057	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CP	0	-474	-607
8058	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CX	0	-474	-607
8059	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CXY	0	-474	-607
8060	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CY	0	-474	-607
8061	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10S	0	-207	-265
8062	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10X	0	-207	-265
8063	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10XY	0	-207	-265
8064	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd10Y	0	-207	-265
8065	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1P	0	-124	-159
8066	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1X	0	-124	-159
8067	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1XY	0	-124	-159
8068	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA2.1Y	0	-124	-159
8069	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12S	0	-123	-158
8070	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12X	0	-123	-158
8071	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12XY	0	-123	-158
8072	LC196_SeLS_NL3=Wind+Ice_Dir=-52	Sd12Y	0	-123	-158
8073	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1P	0	-126	-162
8074	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1X	0	-126	-162
8075	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1XY	0	-126	-162
8076	LC196_SeLS_NL3=Wind+Ice_Dir=-52	CA1.1Y	0	-126	-162
8077	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DP	0	-94	-120
8078	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DX	0	-94	-120
8079	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DXY	0	-94	-120
8080	LC196_SeLS_NL3=Wind+Ice_Dir=-52	DY	0	-94	-120
8081	LC196_SeLS_NL3=Wind+Ice_Dir=-52	TopP	0	-102	-130

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8082	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F1A	669	-2556	1306
8083	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F2A	669	-2556	1306
8084	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F3A	669	-597	2272
8085	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F4A	669	-597	2272
8086	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F1A	669	-2556	1306
8087	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F2A	669	-597	2272
8088	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F1A	473	-2817	1455
8089	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F2A	473	-696	2690
8090	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E2F1A	473	-696	2690
8091	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F1B	952	-5138	-6577
8092	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F2B	952	-5138	-6577
8093	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F3B	952	-5138	-6577
8094	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C1F4B	952	-5138	-6577
8095	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F1B	952	-5138	-6577
8096	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	C2F2B	952	-5138	-6577
8097	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F1B	674	-4183	-5354
8098	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E1F2B	674	-4183	-5354
8099	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	E2F1B	473	-2817	1455
8100	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5S	0	-277	-354
8101	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5X	0	-277	-354
8102	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5XY	0	-277	-354
8103	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd5Y	0	-277	-354
8104	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CP	0	-316	-405
8105	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CX	0	-316	-405
8106	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CXY	0	-316	-405
8107	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CY	0	-316	-405
8108	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10S	0	-138	-177
8109	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10X	0	-138	-177
8110	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10XY	0	-138	-177
8111	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd10Y	0	-138	-177
8112	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1P	0	-83	-106
8113	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1X	0	-83	-106
8114	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1XY	0	-83	-106
8115	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA2.1Y	0	-83	-106
8116	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12S	0	-82	-105
8117	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12X	0	-82	-105
8118	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12XY	0	-82	-105
8119	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	Sd12Y	0	-82	-105
8120	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1P	0	-84	-108
8121	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1X	0	-84	-108
8122	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1XY	0	-84	-108
8123	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	CA1.1Y	0	-84	-108
8124	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DP	0	-62	-80
8125	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DX	0	-62	-80
8126	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DXY	0	-62	-80
8127	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	DY	0	-62	-80
8128	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	TopP	0	-68	-87

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8129	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F1A	1003	-2596	1328
8130	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F2A	1003	-2596	1328
8131	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F3A	1003	-619	2358
8132	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F4A	1003	-619	2358
8133	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F1A	1003	-2596	1328
8134	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F2A	1003	-619	2358
8135	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F1A	710	-2661	1372
8136	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F2A	710	-631	2433
8137	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E2F1A	710	-631	2433
8138	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F1B	1428	-5659	-7243
8139	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F2B	1428	-5659	-7243
8140	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F3B	1428	-5659	-7243
8141	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C1F4B	1428	-5659	-7243
8142	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F1B	1428	-5659	-7243
8143	LC198_SeLS_NL6a=Cons+Main_Dir=-52	C2F2B	1428	-5659	-7243
8144	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F1B	1011	-4525	-5791
8145	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E1F2B	1011	-4525	-5791
8146	LC198_SeLS_NL6a=Cons+Main_Dir=-52	E2F1B	710	-2661	1372
8147	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5S	0	-277	-354
8148	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5X	0	-277	-354
8149	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5XY	0	-277	-354
8150	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd5Y	0	-277	-354
8151	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CP	0	-316	-405
8152	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CX	0	-316	-405
8153	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CXY	0	-316	-405
8154	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CY	0	-316	-405
8155	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10S	0	-138	-177
8156	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10X	0	-138	-177
8157	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10XY	0	-138	-177
8158	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd10Y	0	-138	-177
8159	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1P	0	-83	-106
8160	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1X	0	-83	-106
8161	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1XY	0	-83	-106
8162	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA2.1Y	0	-83	-106
8163	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12S	0	-82	-105
8164	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12X	0	-82	-105
8165	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12XY	0	-82	-105
8166	LC198_SeLS_NL6a=Cons+Main_Dir=-52	Sd12Y	0	-82	-105
8167	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1P	0	-84	-108
8168	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1X	0	-84	-108
8169	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1XY	0	-84	-108
8170	LC198_SeLS_NL6a=Cons+Main_Dir=-52	CA1.1Y	0	-84	-108
8171	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DP	0	-62	-80
8172	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DX	0	-62	-80
8173	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DXY	0	-62	-80
8174	LC198_SeLS_NL6a=Cons+Main_Dir=-52	DY	0	-62	-80
8175	LC198_SeLS_NL6a=Cons+Main_Dir=-52	TopP	0	-68	-87

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8176	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F1A	2503	-2596	1328
8177	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F2A	2503	-2596	1328
8178	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F3A	2503	-619	2358
8179	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F4A	2503	-619	2358
8180	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F1A	2503	-2596	1328
8181	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F2A	2503	-619	2358
8182	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F1A	2210	-2661	1372
8183	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F2A	2210	-631	2433
8184	LC199_SeLS_NL6b=Linesmen_Dir=-52	E2F1A	2210	-631	2433
8185	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F1B	1428	-5659	-7243
8186	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F2B	1428	-5659	-7243
8187	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F3B	1428	-5659	-7243
8188	LC199_SeLS_NL6b=Linesmen_Dir=-52	C1F4B	1428	-5659	-7243
8189	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F1B	1428	-5659	-7243
8190	LC199_SeLS_NL6b=Linesmen_Dir=-52	C2F2B	1428	-5659	-7243
8191	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F1B	1011	-4525	-5791
8192	LC199_SeLS_NL6b=Linesmen_Dir=-52	E1F2B	1011	-4525	-5791
8193	LC199_SeLS_NL6b=Linesmen_Dir=-52	E2F1B	710	-2661	1372
8194	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5S	0	-277	-354
8195	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5X	0	-277	-354
8196	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5XY	0	-277	-354
8197	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd5Y	0	-277	-354
8198	LC199_SeLS_NL6b=Linesmen_Dir=-52	CP	0	-316	-405
8199	LC199_SeLS_NL6b=Linesmen_Dir=-52	CX	0	-316	-405
8200	LC199_SeLS_NL6b=Linesmen_Dir=-52	CXY	0	-316	-405
8201	LC199_SeLS_NL6b=Linesmen_Dir=-52	CY	0	-316	-405
8202	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10S	0	-138	-177
8203	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10X	0	-138	-177
8204	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10XY	0	-138	-177
8205	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd10Y	0	-138	-177
8206	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1P	0	-83	-106
8207	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1X	0	-83	-106
8208	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1XY	0	-83	-106
8209	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA2.1Y	0	-83	-106
8210	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12S	0	-82	-105
8211	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12X	0	-82	-105
8212	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12XY	0	-82	-105
8213	LC199_SeLS_NL6b=Linesmen_Dir=-52	Sd12Y	0	-82	-105
8214	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1P	0	-84	-108
8215	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1X	0	-84	-108
8216	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1XY	0	-84	-108
8217	LC199_SeLS_NL6b=Linesmen_Dir=-52	CA1.1Y	0	-84	-108
8218	LC199_SeLS_NL6b=Linesmen_Dir=-52	DP	0	-62	-80
8219	LC199_SeLS_NL6b=Linesmen_Dir=-52	DX	0	-62	-80
8220	LC199_SeLS_NL6b=Linesmen_Dir=-52	DXY	0	-62	-80
8221	LC199_SeLS_NL6b=Linesmen_Dir=-52	DY	0	-62	-80
8222	LC199_SeLS_NL6b=Linesmen_Dir=-52	TopP	0	-68	-87

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8223	LC200_ULS_NL1a=Wind_Dir=-90	C1F1A	769	-2307	930
8224	LC200_ULS_NL1a=Wind_Dir=-90	C1F2A	769	-2307	930
8225	LC200_ULS_NL1a=Wind_Dir=-90	C1F3A	769	-330	1241
8226	LC200_ULS_NL1a=Wind_Dir=-90	C1F4A	769	-330	1241
8227	LC200_ULS_NL1a=Wind_Dir=-90	C2F1A	769	-2307	930
8228	LC200_ULS_NL1a=Wind_Dir=-90	C2F2A	769	-330	1241
8229	LC200_ULS_NL1a=Wind_Dir=-90	E1F1A	544	-2324	996
8230	LC200_ULS_NL1a=Wind_Dir=-90	E1F2A	544	-327	1246
8231	LC200_ULS_NL1a=Wind_Dir=-90	E2F1A	544	-327	1246
8232	LC200_ULS_NL1a=Wind_Dir=-90	C1F1B	1095	-8472	-9182
8233	LC200_ULS_NL1a=Wind_Dir=-90	C1F2B	1095	-8472	-9182
8234	LC200_ULS_NL1a=Wind_Dir=-90	C1F3B	1095	-8472	-9182
8235	LC200_ULS_NL1a=Wind_Dir=-90	C1F4B	1095	-8472	-9182
8236	LC200_ULS_NL1a=Wind_Dir=-90	C2F1B	1095	-8472	-9182
8237	LC200_ULS_NL1a=Wind_Dir=-90	C2F2B	1095	-8472	-9182
8238	LC200_ULS_NL1a=Wind_Dir=-90	E1F1B	775	-7093	-7731
8239	LC200_ULS_NL1a=Wind_Dir=-90	E1F2B	775	-7093	-7731
8240	LC200_ULS_NL1a=Wind_Dir=-90	E2F1B	544	-2324	996
8241	LC200_ULS_NL1a=Wind_Dir=-90	Sd5S	0	0	-2650
8242	LC200_ULS_NL1a=Wind_Dir=-90	Sd5X	0	0	-2650
8243	LC200_ULS_NL1a=Wind_Dir=-90	Sd5XY	0	0	-2650
8244	LC200_ULS_NL1a=Wind_Dir=-90	Sd5Y	0	0	-2650
8245	LC200_ULS_NL1a=Wind_Dir=-90	CP	0	0	-3026
8246	LC200_ULS_NL1a=Wind_Dir=-90	CX	0	0	-3026
8247	LC200_ULS_NL1a=Wind_Dir=-90	CXY	0	0	-3026
8248	LC200_ULS_NL1a=Wind_Dir=-90	CY	0	0	-3026
8249	LC200_ULS_NL1a=Wind_Dir=-90	Sd10S	0	0	-665
8250	LC200_ULS_NL1a=Wind_Dir=-90	Sd10X	0	0	-665
8251	LC200_ULS_NL1a=Wind_Dir=-90	Sd10XY	0	0	-665
8252	LC200_ULS_NL1a=Wind_Dir=-90	Sd10Y	0	0	-665
8253	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1P	0	0	-792
8254	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1X	0	0	-792
8255	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-792
8256	LC200_ULS_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-792
8257	LC200_ULS_NL1a=Wind_Dir=-90	Sd12S	0	0	-434
8258	LC200_ULS_NL1a=Wind_Dir=-90	Sd12X	0	0	-434
8259	LC200_ULS_NL1a=Wind_Dir=-90	Sd12XY	0	0	-434
8260	LC200_ULS_NL1a=Wind_Dir=-90	Sd12Y	0	0	-434
8261	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1P	0	0	-806
8262	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1X	0	0	-806
8263	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-806
8264	LC200_ULS_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-806
8265	LC200_ULS_NL1a=Wind_Dir=-90	DP	0	0	-331
8266	LC200_ULS_NL1a=Wind_Dir=-90	DX	0	0	-331
8267	LC200_ULS_NL1a=Wind_Dir=-90	DXY	0	0	-331
8268	LC200_ULS_NL1a=Wind_Dir=-90	DY	0	0	-331
8269	LC200_ULS_NL1a=Wind_Dir=-90	TopP	0	0	-649

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8270	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F1A	1845	-4926	2428
8271	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F2A	1845	-4926	2428
8272	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F3A	1845	-740	2918
8273	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F4A	1845	-740	2918
8274	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F1A	1845	-4926	2428
8275	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F2A	1845	-740	2918
8276	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F1A	1526	-5491	2743
8277	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F2A	1526	-890	3521
8278	LC201_ULS_NL3=Wind+Ice_Dir=-90	E2F1A	1526	-890	3521
8279	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F1B	2626	-15927	-19316
8280	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F2B	2626	-15927	-19316
8281	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F3B	2626	-15927	-19316
8282	LC201_ULS_NL3=Wind+Ice_Dir=-90	C1F4B	2626	-15927	-19316
8283	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F1B	2626	-15927	-19316
8284	LC201_ULS_NL3=Wind+Ice_Dir=-90	C2F2B	2626	-15927	-19316
8285	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F1B	2172	-14647	-17756
8286	LC201_ULS_NL3=Wind+Ice_Dir=-90	E1F2B	2172	-14647	-17756
8287	LC201_ULS_NL3=Wind+Ice_Dir=-90	E2F1B	1526	-5491	2743
8288	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-795
8289	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-795
8290	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-795
8291	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-795
8292	LC201_ULS_NL3=Wind+Ice_Dir=-90	CP	0	0	-908
8293	LC201_ULS_NL3=Wind+Ice_Dir=-90	CX	0	0	-908
8294	LC201_ULS_NL3=Wind+Ice_Dir=-90	CXY	0	0	-908
8295	LC201_ULS_NL3=Wind+Ice_Dir=-90	CY	0	0	-908
8296	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-199
8297	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-199
8298	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-199
8299	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-199
8300	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-237
8301	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-237
8302	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-237
8303	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-237
8304	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-130
8305	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-130
8306	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-130
8307	LC201_ULS_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-130
8308	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-242
8309	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-242
8310	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-242
8311	LC201_ULS_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-242
8312	LC201_ULS_NL3=Wind+Ice_Dir=-90	DP	0	0	-99
8313	LC201_ULS_NL3=Wind+Ice_Dir=-90	DX	0	0	-99
8314	LC201_ULS_NL3=Wind+Ice_Dir=-90	DXY	0	0	-99
8315	LC201_ULS_NL3=Wind+Ice_Dir=-90	DY	0	0	-99
8316	LC201_ULS_NL3=Wind+Ice_Dir=-90	TopP	0	0	-195

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8317	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F1A	769	-2693	1373
8318	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F2A	769	-2693	1373
8319	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F3A	769	-384	1524
8320	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F4A	769	-384	1524
8321	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F1A	769	-2693	1373
8322	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F2A	769	-384	1524
8323	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F1A	544	-2991	1542
8324	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F2A	544	-473	1885
8325	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E2F1A	544	-473	1885
8326	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F1B	1095	-8538	-10596
8327	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F2B	1095	-8538	-10596
8328	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F3B	1095	-8538	-10596
8329	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C1F4B	1095	-8538	-10596
8330	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F1B	1095	-8538	-10596
8331	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	C2F2B	1095	-8538	-10596
8332	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F1B	775	-7243	-9002
8333	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E1F2B	775	-7243	-9002
8334	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	E2F1B	544	-2991	1542
8335	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-530
8336	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-530
8337	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-530
8338	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-530
8339	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-605
8340	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-605
8341	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-605
8342	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-605
8343	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-133
8344	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-133
8345	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-133
8346	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-133
8347	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-158
8348	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-158
8349	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-158
8350	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-158
8351	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-87
8352	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-87
8353	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-87
8354	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-87
8355	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-161
8356	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-161
8357	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-161
8358	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-161
8359	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-66
8360	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-66
8361	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-66
8362	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-66
8363	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-130

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8364	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F1A	1154	-2722	1388
8365	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F2A	1154	-2722	1388
8366	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F3A	1154	-386	1533
8367	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F4A	1154	-386	1533
8368	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F1A	1154	-2722	1388
8369	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F2A	1154	-386	1533
8370	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F1A	817	-2796	1439
8371	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F2A	817	-396	1576
8372	LC203_ULS_NL6a=Cons+Main_Dir=-90	E2F1A	817	-396	1576
8373	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F1B	1642	-9489	-11813
8374	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F2B	1642	-9489	-11813
8375	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F3B	1642	-9489	-11813
8376	LC203_ULS_NL6a=Cons+Main_Dir=-90	C1F4B	1642	-9489	-11813
8377	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F1B	1642	-9489	-11813
8378	LC203_ULS_NL6a=Cons+Main_Dir=-90	C2F2B	1642	-9489	-11813
8379	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F1B	1162	-7980	-9944
8380	LC203_ULS_NL6a=Cons+Main_Dir=-90	E1F2B	1162	-7980	-9944
8381	LC203_ULS_NL6a=Cons+Main_Dir=-90	E2F1B	817	-2796	1439
8382	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-530
8383	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-530
8384	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-530
8385	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-530
8386	LC203_ULS_NL6a=Cons+Main_Dir=-90	CP	0	0	-605
8387	LC203_ULS_NL6a=Cons+Main_Dir=-90	CX	0	0	-605
8388	LC203_ULS_NL6a=Cons+Main_Dir=-90	CXY	0	0	-605
8389	LC203_ULS_NL6a=Cons+Main_Dir=-90	CY	0	0	-605
8390	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-133
8391	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-133
8392	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-133
8393	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-133
8394	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-158
8395	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-158
8396	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-158
8397	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-158
8398	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-87
8399	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-87
8400	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-87
8401	LC203_ULS_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-87
8402	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-161
8403	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-161
8404	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-161
8405	LC203_ULS_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-161
8406	LC203_ULS_NL6a=Cons+Main_Dir=-90	DP	0	0	-66
8407	LC203_ULS_NL6a=Cons+Main_Dir=-90	DX	0	0	-66
8408	LC203_ULS_NL6a=Cons+Main_Dir=-90	DXY	0	0	-66
8409	LC203_ULS_NL6a=Cons+Main_Dir=-90	DY	0	0	-66
8410	LC203_ULS_NL6a=Cons+Main_Dir=-90	TopP	0	0	-130

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8411	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F1A	3104	-2722	1388
8412	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F2A	3104	-2722	1388
8413	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F3A	3104	-386	1533
8414	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F4A	3104	-386	1533
8415	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F1A	3104	-2722	1388
8416	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F2A	3104	-386	1533
8417	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F1A	2767	-2796	1439
8418	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F2A	2767	-396	1576
8419	LC204_ULS_NL6b=Linesmen_Dir=-90	E2F1A	2767	-396	1576
8420	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F1B	1642	-9489	-11813
8421	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F2B	1642	-9489	-11813
8422	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F3B	1642	-9489	-11813
8423	LC204_ULS_NL6b=Linesmen_Dir=-90	C1F4B	1642	-9489	-11813
8424	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F1B	1642	-9489	-11813
8425	LC204_ULS_NL6b=Linesmen_Dir=-90	C2F2B	1642	-9489	-11813
8426	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F1B	1162	-7980	-9944
8427	LC204_ULS_NL6b=Linesmen_Dir=-90	E1F2B	1162	-7980	-9944
8428	LC204_ULS_NL6b=Linesmen_Dir=-90	E2F1B	817	-2796	1439
8429	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-530
8430	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-530
8431	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-530
8432	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-530
8433	LC204_ULS_NL6b=Linesmen_Dir=-90	CP	0	0	-605
8434	LC204_ULS_NL6b=Linesmen_Dir=-90	CX	0	0	-605
8435	LC204_ULS_NL6b=Linesmen_Dir=-90	CXY	0	0	-605
8436	LC204_ULS_NL6b=Linesmen_Dir=-90	CY	0	0	-605
8437	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-133
8438	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-133
8439	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-133
8440	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-133
8441	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-158
8442	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-158
8443	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-158
8444	LC204_ULS_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-158
8445	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-87
8446	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-87
8447	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-87
8448	LC204_ULS_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-87
8449	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-161
8450	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-161
8451	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-161
8452	LC204_ULS_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-161
8453	LC204_ULS_NL6b=Linesmen_Dir=-90	DP	0	0	-66
8454	LC204_ULS_NL6b=Linesmen_Dir=-90	DX	0	0	-66
8455	LC204_ULS_NL6b=Linesmen_Dir=-90	DXY	0	0	-66
8456	LC204_ULS_NL6b=Linesmen_Dir=-90	DY	0	0	-66
8457	LC204_ULS_NL6b=Linesmen_Dir=-90	TopP	0	0	-130

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8458	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F1A	0	0	0
8459	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F2A	0	0	0
8460	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F3A	769	-321	1243
8461	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F4A	769	-321	1243
8462	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F1A	0	0	0
8463	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F2A	769	-321	1243
8464	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F1A	0	0	0
8465	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F2A	544	-320	1248
8466	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E2F1A	544	-320	1248
8467	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F1B	1095	-8115	-9461
8468	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F2B	1095	-8115	-9461
8469	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F3B	1095	-8115	-9461
8470	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C1F4B	1095	-8115	-9461
8471	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F1B	1095	-8115	-9461
8472	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	C2F2B	1095	-8115	-9461
8473	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F1B	775	-6803	-7957
8474	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E1F2B	775	-6803	-7957
8475	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	E2F1B	0	0	0
8476	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
8477	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
8478	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
8479	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
8480	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CP	0	0	-1686
8481	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CX	0	0	-1686
8482	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CXY	0	0	-1686
8483	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CY	0	0	-1686
8484	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
8485	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
8486	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
8487	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
8488	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
8489	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
8490	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
8491	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
8492	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
8493	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
8494	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
8495	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
8496	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
8497	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
8498	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
8499	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
8500	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DP	0	0	-184
8501	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DX	0	0	-184
8502	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DXY	0	0	-184
8503	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	DY	0	0	-184
8504	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8505	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F1A	0	0	0
8506	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F2A	0	0	0
8507	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F3A	1051	-739	2918
8508	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F4A	1051	-739	2918
8509	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F1A	0	0	0
8510	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F2A	1051	-739	2918
8511	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F1A	0	0	0
8512	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F2A	801	-888	3521
8513	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E2F1A	801	-888	3521
8514	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F1B	1495	-15853	-19374
8515	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F2B	1495	-15853	-19374
8516	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F3B	1495	-15853	-19374
8517	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C1F4B	1495	-15853	-19374
8518	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F1B	1495	-15853	-19374
8519	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	C2F2B	1495	-15853	-19374
8520	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F1B	1140	-14578	-17810
8521	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E1F2B	1140	-14578	-17810
8522	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	E2F1B	0	0	0
8523	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
8524	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
8525	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
8526	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
8527	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
8528	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
8529	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
8530	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
8531	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
8532	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
8533	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
8534	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
8535	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
8536	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
8537	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
8538	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
8539	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
8540	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
8541	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
8542	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
8543	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
8544	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
8545	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
8546	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
8547	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
8548	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
8549	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
8550	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
8551	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8552	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F1A	0	0	0
8553	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F2A	0	0	0
8554	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F3A	769	-383	1524
8555	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F4A	769	-383	1524
8556	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F1A	0	0	0
8557	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F2A	769	-383	1524
8558	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F1A	0	0	0
8559	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F2A	544	-473	1885
8560	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E2F1A	544	-473	1885
8561	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F1B	1095	-8515	-10614
8562	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F2B	1095	-8515	-10614
8563	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F3B	1095	-8515	-10614
8564	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C1F4B	1095	-8515	-10614
8565	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F1B	1095	-8515	-10614
8566	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	C2F2B	1095	-8515	-10614
8567	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F1B	775	-7225	-9016
8568	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E1F2B	775	-7225	-9016
8569	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	E2F1B	0	0	0
8570	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
8571	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
8572	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
8573	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
8574	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
8575	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
8576	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
8577	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
8578	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
8579	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
8580	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
8581	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
8582	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
8583	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
8584	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
8585	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
8586	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
8587	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
8588	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
8589	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
8590	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
8591	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
8592	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
8593	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
8594	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
8595	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
8596	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
8597	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
8598	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8599	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F1A	0	0	0
8600	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F2A	0	0	0
8601	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F3A	1154	-386	1533
8602	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F4A	1154	-386	1533
8603	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F1A	0	0	0
8604	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F2A	1154	-386	1533
8605	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F1A	0	0	0
8606	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F2A	817	-396	1577
8607	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E2F1A	817	-396	1577
8608	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F1B	1642	-9466	-11831
8609	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F2B	1642	-9466	-11831
8610	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F3B	1642	-9466	-11831
8611	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C1F4B	1642	-9466	-11831
8612	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F1B	1642	-9466	-11831
8613	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	C2F2B	1642	-9466	-11831
8614	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F1B	1162	-7961	-9959
8615	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E1F2B	1162	-7961	-9959
8616	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	E2F1B	0	0	0
8617	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
8618	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
8619	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
8620	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
8621	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
8622	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
8623	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
8624	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
8625	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
8626	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
8627	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
8628	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
8629	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
8630	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
8631	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
8632	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
8633	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
8634	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
8635	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
8636	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
8637	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
8638	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
8639	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
8640	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
8641	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
8642	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
8643	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
8644	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
8645	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8646	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F1A	1800	0	0
8647	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F2A	1800	0	0
8648	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F3A	2954	-386	1533
8649	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F4A	2954	-386	1533
8650	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F1A	1800	0	0
8651	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F2A	2954	-386	1533
8652	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F1A	1800	0	0
8653	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F2A	2617	-396	1577
8654	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E2F1A	2617	-396	1577
8655	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F1B	1642	-9466	-11831
8656	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F2B	1642	-9466	-11831
8657	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F3B	1642	-9466	-11831
8658	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C1F4B	1642	-9466	-11831
8659	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F1B	1642	-9466	-11831
8660	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	C2F2B	1642	-9466	-11831
8661	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F1B	1162	-7961	-9959
8662	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E1F2B	1162	-7961	-9959
8663	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	E2F1B	0	0	0
8664	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
8665	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
8666	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
8667	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
8668	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CP	0	0	-519
8669	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CX	0	0	-519
8670	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
8671	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CY	0	0	-519
8672	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
8673	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
8674	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
8675	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
8676	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
8677	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
8678	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
8679	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
8680	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
8681	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
8682	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
8683	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
8684	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
8685	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
8686	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
8687	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
8688	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DP	0	0	-57
8689	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DX	0	0	-57
8690	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
8691	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	DY	0	0	-57
8692	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8693	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F1A	769	-2252	1033
8694	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F2A	769	-2252	1033
8695	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F3A	0	0	0
8696	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F4A	0	0	0
8697	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F1A	769	-2252	1033
8698	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F2A	0	0	0
8699	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F1A	544	-2280	1079
8700	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F2A	0	0	0
8701	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E2F1A	0	0	0
8702	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F1B	1095	-8115	-9461
8703	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F2B	1095	-8115	-9461
8704	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F3B	1095	-8115	-9461
8705	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C1F4B	1095	-8115	-9461
8706	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F1B	1095	-8115	-9461
8707	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	C2F2B	1095	-8115	-9461
8708	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F1B	775	-6803	-7957
8709	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E1F2B	775	-6803	-7957
8710	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	E2F1B	544	-2280	1079
8711	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
8712	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
8713	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
8714	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
8715	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CP	0	0	-1686
8716	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CX	0	0	-1686
8717	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CXY	0	0	-1686
8718	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CY	0	0	-1686
8719	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
8720	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
8721	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
8722	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
8723	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
8724	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
8725	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
8726	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
8727	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
8728	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
8729	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
8730	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
8731	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
8732	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
8733	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
8734	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
8735	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DP	0	0	-184
8736	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DX	0	0	-184
8737	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DXY	0	0	-184
8738	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	DY	0	0	-184
8739	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8740	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F1A	1051	-4914	2450
8741	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F2A	1051	-4914	2450
8742	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F3A	0	0	0
8743	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F4A	0	0	0
8744	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F1A	1051	-4914	2450
8745	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F2A	0	0	0
8746	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F1A	801	-5481	2763
8747	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F2A	0	0	0
8748	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E2F1A	0	0	0
8749	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F1B	1495	-15853	-19374
8750	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F2B	1495	-15853	-19374
8751	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F3B	1495	-15853	-19374
8752	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C1F4B	1495	-15853	-19374
8753	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F1B	1495	-15853	-19374
8754	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	C2F2B	1495	-15853	-19374
8755	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F1B	1140	-14578	-17810
8756	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E1F2B	1140	-14578	-17810
8757	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	E2F1B	801	-5481	2763
8758	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
8759	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
8760	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
8761	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
8762	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
8763	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
8764	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
8765	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
8766	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
8767	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
8768	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
8769	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
8770	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
8771	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
8772	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
8773	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
8774	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
8775	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
8776	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
8777	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
8778	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
8779	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
8780	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
8781	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
8782	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
8783	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
8784	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
8785	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
8786	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8787	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F1A	769	-2690	1379
8788	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F2A	769	-2690	1379
8789	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F3A	0	0	0
8790	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F4A	0	0	0
8791	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F1A	769	-2690	1379
8792	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F2A	0	0	0
8793	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F1A	544	-2988	1547
8794	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F2A	0	0	0
8795	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E2F1A	0	0	0
8796	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F1B	1095	-8515	-10614
8797	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F2B	1095	-8515	-10614
8798	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F3B	1095	-8515	-10614
8799	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C1F4B	1095	-8515	-10614
8800	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F1B	1095	-8515	-10614
8801	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	C2F2B	1095	-8515	-10614
8802	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F1B	775	-7225	-9016
8803	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E1F2B	775	-7225	-9016
8804	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	E2F1B	544	-2988	1547
8805	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
8806	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
8807	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
8808	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
8809	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
8810	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
8811	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
8812	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
8813	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
8814	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
8815	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
8816	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
8817	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
8818	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
8819	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
8820	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
8821	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
8822	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
8823	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
8824	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
8825	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
8826	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
8827	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
8828	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
8829	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
8830	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
8831	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
8832	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
8833	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8834	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F1A	1154	-2719	1395
8835	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F2A	1154	-2719	1395
8836	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F3A	0	0	0
8837	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F4A	0	0	0
8838	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F1A	1154	-2719	1395
8839	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F2A	0	0	0
8840	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F1A	817	-2793	1444
8841	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F2A	0	0	0
8842	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E2F1A	0	0	0
8843	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F1B	1642	-9466	-11831
8844	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F2B	1642	-9466	-11831
8845	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F3B	1642	-9466	-11831
8846	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C1F4B	1642	-9466	-11831
8847	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F1B	1642	-9466	-11831
8848	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	C2F2B	1642	-9466	-11831
8849	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F1B	1162	-7961	-9959
8850	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E1F2B	1162	-7961	-9959
8851	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	E2F1B	817	-2793	1444
8852	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
8853	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
8854	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
8855	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
8856	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
8857	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
8858	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
8859	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
8860	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
8861	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
8862	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
8863	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
8864	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
8865	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
8866	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
8867	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
8868	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
8869	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
8870	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
8871	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
8872	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
8873	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
8874	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
8875	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
8876	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
8877	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
8878	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
8879	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
8880	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8881	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F1A	2954	-2719	1395
8882	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F2A	2954	-2719	1395
8883	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F3A	1800	0	0
8884	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F4A	1800	0	0
8885	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F1A	2954	-2719	1395
8886	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F2A	1800	0	0
8887	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F1A	2617	-2793	1444
8888	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F2A	1800	0	0
8889	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E2F1A	1800	0	0
8890	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F1B	1642	-9466	-11831
8891	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F2B	1642	-9466	-11831
8892	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F3B	1642	-9466	-11831
8893	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C1F4B	1642	-9466	-11831
8894	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F1B	1642	-9466	-11831
8895	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	C2F2B	1642	-9466	-11831
8896	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F1B	1162	-7961	-9959
8897	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E1F2B	1162	-7961	-9959
8898	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	E2F1B	817	-2793	1444
8899	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
8900	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
8901	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
8902	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
8903	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CP	0	0	-519
8904	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CX	0	0	-519
8905	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
8906	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CY	0	0	-519
8907	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
8908	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
8909	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
8910	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
8911	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
8912	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
8913	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
8914	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
8915	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
8916	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
8917	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
8918	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
8919	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
8920	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
8921	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
8922	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
8923	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DP	0	0	-57
8924	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DX	0	0	-57
8925	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
8926	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	DY	0	0	-57
8927	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8928	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F1A	769	-2252	1033
8929	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F2A	769	-2252	1033
8930	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F3A	769	-321	1243
8931	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F4A	769	-321	1243
8932	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F1A	769	-2252	1033
8933	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F2A	769	-321	1243
8934	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F1A	544	-2280	1079
8935	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F2A	544	-320	1248
8936	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E2F1A	544	-320	1248
8937	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F1B	0	0	0
8938	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F2B	0	0	0
8939	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F3B	1095	-8115	-9461
8940	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C1F4B	1095	-8115	-9461
8941	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F1B	0	0	0
8942	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	C2F2B	1095	-8115	-9461
8943	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F1B	0	0	0
8944	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E1F2B	775	-6803	-7957
8945	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	E2F1B	544	-2280	1079
8946	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
8947	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
8948	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
8949	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
8950	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CP	0	0	-1686
8951	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CX	0	0	-1686
8952	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CXY	0	0	-1686
8953	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CY	0	0	-1686
8954	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
8955	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
8956	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
8957	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
8958	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
8959	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
8960	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
8961	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
8962	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
8963	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
8964	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
8965	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
8966	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
8967	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
8968	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
8969	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
8970	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DP	0	0	-184
8971	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DX	0	0	-184
8972	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DXY	0	0	-184
8973	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	DY	0	0	-184
8974	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
8975	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F1A	1051	-4914	2450
8976	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F2A	1051	-4914	2450
8977	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F3A	1051	-739	2918
8978	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F4A	1051	-739	2918
8979	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F1A	1051	-4914	2450
8980	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F2A	1051	-739	2918
8981	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F1A	801	-5481	2763
8982	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F2A	801	-888	3521
8983	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E2F1A	801	-888	3521
8984	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F1B	0	0	0
8985	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F2B	0	0	0
8986	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F3B	1495	-15853	-19374
8987	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C1F4B	1495	-15853	-19374
8988	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F1B	0	0	0
8989	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	C2F2B	1495	-15853	-19374
8990	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F1B	0	0	0
8991	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E1F2B	1140	-14578	-17810
8992	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	E2F1B	801	-5481	2763
8993	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
8994	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
8995	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
8996	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
8997	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
8998	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
8999	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9000	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9001	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9002	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9003	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9004	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9005	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9006	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9007	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9008	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9009	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9010	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9011	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9012	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9013	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9014	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9015	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9016	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9017	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9018	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9019	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9020	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9021	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9022	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F1A	769	-2690	1379
9023	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F2A	769	-2690	1379
9024	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F3A	769	-383	1524
9025	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F4A	769	-383	1524
9026	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F1A	769	-2690	1379
9027	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F2A	769	-383	1524
9028	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F1A	544	-2988	1547
9029	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F2A	544	-473	1885
9030	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E2F1A	544	-473	1885
9031	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F1B	0	0	0
9032	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F2B	0	0	0
9033	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F3B	1095	-8515	-10614
9034	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C1F4B	1095	-8515	-10614
9035	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F1B	0	0	0
9036	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	C2F2B	1095	-8515	-10614
9037	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F1B	0	0	0
9038	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E1F2B	775	-7225	-9016
9039	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	E2F1B	544	-2988	1547
9040	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9041	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9042	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9043	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9044	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9045	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9046	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9047	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9048	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9049	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9050	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9051	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9052	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9053	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9054	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9055	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9056	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9057	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9058	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9059	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9060	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9061	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9062	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9063	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9064	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9065	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9066	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9067	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9068	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9069	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F1A	1154	-2719	1395
9070	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F2A	1154	-2719	1395
9071	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F3A	1154	-386	1533
9072	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F4A	1154	-386	1533
9073	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F1A	1154	-2719	1395
9074	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F2A	1154	-386	1533
9075	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F1A	817	-2793	1444
9076	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F2A	817	-396	1577
9077	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E2F1A	817	-396	1577
9078	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F1B	0	0	0
9079	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F2B	0	0	0
9080	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F3B	1642	-9466	-11831
9081	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C1F4B	1642	-9466	-11831
9082	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F1B	0	0	0
9083	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	C2F2B	1642	-9466	-11831
9084	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F1B	0	0	0
9085	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E1F2B	1162	-7961	-9959
9086	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	E2F1B	817	-2793	1444
9087	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9088	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9089	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9090	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9091	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9092	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9093	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9094	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9095	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9096	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9097	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9098	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9099	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9100	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9101	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9102	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9103	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9104	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9105	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9106	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9107	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9108	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9109	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9110	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9111	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9112	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9113	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9114	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9115	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9116	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F1A	2954	-2719	1395
9117	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F2A	2954	-2719	1395
9118	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F3A	2954	-386	1533
9119	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F4A	2954	-386	1533
9120	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F1A	2954	-2719	1395
9121	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F2A	2954	-386	1533
9122	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F1A	2617	-2793	1444
9123	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F2A	2617	-396	1577
9124	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E2F1A	2617	-396	1577
9125	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F1B	0	0	0
9126	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F2B	0	0	0
9127	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F3B	1642	-9466	-11831
9128	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C1F4B	1642	-9466	-11831
9129	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F1B	0	0	0
9130	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	C2F2B	1642	-9466	-11831
9131	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F1B	0	0	0
9132	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E1F2B	1162	-7961	-9959
9133	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	E2F1B	817	-2793	1444
9134	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9135	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9136	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9137	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9138	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9139	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9140	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9141	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9142	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9143	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9144	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9145	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9146	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9147	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9148	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9149	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9150	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9151	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9152	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9153	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9154	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9155	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9156	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9157	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9158	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9159	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9160	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9161	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9162	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9163	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F1A	769	-2252	1033
9164	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F2A	769	-2252	1033
9165	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F3A	769	-321	1243
9166	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F4A	769	-321	1243
9167	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F1A	769	-2252	1033
9168	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F2A	769	-321	1243
9169	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F1A	544	-2280	1079
9170	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F2A	544	-320	1248
9171	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E2F1A	544	-320	1248
9172	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F1B	1095	-8115	-9461
9173	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F2B	1095	-8115	-9461
9174	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F3B	0	0	0
9175	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C1F4B	0	0	0
9176	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F1B	1095	-8115	-9461
9177	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	C2F2B	0	0	0
9178	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F1B	775	-6803	-7957
9179	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E1F2B	0	0	0
9180	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	E2F1B	544	-2280	1079
9181	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
9182	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
9183	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
9184	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
9185	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CP	0	0	-1686
9186	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CX	0	0	-1686
9187	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CXY	0	0	-1686
9188	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CY	0	0	-1686
9189	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
9190	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
9191	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
9192	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
9193	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
9194	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
9195	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
9196	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
9197	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
9198	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
9199	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
9200	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
9201	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
9202	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
9203	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
9204	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
9205	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DP	0	0	-184
9206	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DX	0	0	-184
9207	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DXY	0	0	-184
9208	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	DY	0	0	-184
9209	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9210	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F1A	1051	-4914	2450
9211	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F2A	1051	-4914	2450
9212	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F3A	1051	-739	2918
9213	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F4A	1051	-739	2918
9214	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F1A	1051	-4914	2450
9215	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F2A	1051	-739	2918
9216	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F1A	801	-5481	2763
9217	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F2A	801	-888	3521
9218	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E2F1A	801	-888	3521
9219	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F1B	1495	-15853	-19374
9220	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F2B	1495	-15853	-19374
9221	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F3B	0	0	0
9222	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C1F4B	0	0	0
9223	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F1B	1495	-15853	-19374
9224	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	C2F2B	0	0	0
9225	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F1B	1140	-14578	-17810
9226	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E1F2B	0	0	0
9227	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	E2F1B	801	-5481	2763
9228	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
9229	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
9230	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
9231	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
9232	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
9233	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
9234	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9235	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9236	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9237	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9238	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9239	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9240	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9241	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9242	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9243	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9244	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9245	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9246	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9247	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9248	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9249	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9250	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9251	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9252	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9253	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9254	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9255	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9256	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9257	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F1A	769	-2690	1379
9258	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F2A	769	-2690	1379
9259	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F3A	769	-383	1524
9260	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F4A	769	-383	1524
9261	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F1A	769	-2690	1379
9262	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F2A	769	-383	1524
9263	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F1A	544	-2988	1547
9264	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F2A	544	-473	1885
9265	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E2F1A	544	-473	1885
9266	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F1B	1095	-8515	-10614
9267	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F2B	1095	-8515	-10614
9268	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F3B	0	0	0
9269	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C1F4B	0	0	0
9270	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F1B	1095	-8515	-10614
9271	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	C2F2B	0	0	0
9272	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F1B	775	-7225	-9016
9273	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E1F2B	0	0	0
9274	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	E2F1B	544	-2988	1547
9275	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9276	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9277	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9278	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9279	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9280	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9281	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9282	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9283	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9284	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9285	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9286	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9287	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9288	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9289	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9290	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9291	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9292	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9293	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9294	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9295	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9296	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9297	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9298	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9299	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9300	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9301	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9302	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9303	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9304	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F1A	1154	-2719	1395
9305	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F2A	1154	-2719	1395
9306	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F3A	1154	-386	1533
9307	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F4A	1154	-386	1533
9308	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F1A	1154	-2719	1395
9309	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F2A	1154	-386	1533
9310	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F1A	817	-2793	1444
9311	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F2A	817	-396	1577
9312	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E2F1A	817	-396	1577
9313	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F1B	1642	-9466	-11831
9314	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F2B	1642	-9466	-11831
9315	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F3B	0	0	0
9316	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C1F4B	0	0	0
9317	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F1B	1642	-9466	-11831
9318	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	C2F2B	0	0	0
9319	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F1B	1162	-7961	-9959
9320	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E1F2B	0	0	0
9321	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	E2F1B	817	-2793	1444
9322	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9323	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9324	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9325	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9326	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9327	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9328	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9329	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9330	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9331	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9332	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9333	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9334	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9335	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9336	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9337	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9338	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9339	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9340	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9341	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9342	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9343	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9344	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9345	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9346	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9347	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9348	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9349	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9350	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9351	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F1A	2954	-2719	1395
9352	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F2A	2954	-2719	1395
9353	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F3A	2954	-386	1533
9354	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F4A	2954	-386	1533
9355	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F1A	2954	-2719	1395
9356	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F2A	2954	-386	1533
9357	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F1A	2617	-2793	1444
9358	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F2A	2617	-396	1577
9359	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E2F1A	2617	-396	1577
9360	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F1B	1642	-9466	-11831
9361	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F2B	1642	-9466	-11831
9362	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F3B	0	0	0
9363	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C1F4B	0	0	0
9364	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F1B	1642	-9466	-11831
9365	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	C2F2B	0	0	0
9366	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F1B	1162	-7961	-9959
9367	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E1F2B	0	0	0
9368	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	E2F1B	817	-2793	1444
9369	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9370	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9371	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9372	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9373	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9374	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9375	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9376	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9377	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9378	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9379	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9380	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9381	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9382	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9383	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9384	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9385	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9386	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9387	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9388	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9389	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9390	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9391	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9392	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9393	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9394	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9395	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9396	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9397	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9398	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F1A	0	0	0
9399	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F2A	0	0	0
9400	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F3A	0	0	0
9401	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F4A	0	0	0
9402	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F1A	0	0	0
9403	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F2A	0	0	0
9404	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F1A	0	0	0
9405	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F2A	0	0	0
9406	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E2F1A	0	0	0
9407	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F1B	1095	-8115	-9461
9408	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F2B	1095	-8115	-9461
9409	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F3B	1095	-8115	-9461
9410	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C1F4B	1095	-8115	-9461
9411	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F1B	1095	-8115	-9461
9412	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	C2F2B	1095	-8115	-9461
9413	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F1B	775	-6803	-7957
9414	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E1F2B	775	-6803	-7957
9415	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	E2F1B	0	0	0
9416	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
9417	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
9418	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
9419	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
9420	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CP	0	0	-1686
9421	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CX	0	0	-1686
9422	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CXY	0	0	-1686
9423	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CY	0	0	-1686
9424	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
9425	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
9426	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
9427	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
9428	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
9429	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
9430	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
9431	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
9432	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
9433	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
9434	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
9435	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
9436	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
9437	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
9438	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
9439	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
9440	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DP	0	0	-184
9441	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DX	0	0	-184
9442	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DXY	0	0	-184
9443	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	DY	0	0	-184
9444	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9445	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F1A	0	0	0
9446	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F2A	0	0	0
9447	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F3A	0	0	0
9448	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F4A	0	0	0
9449	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F1A	0	0	0
9450	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F2A	0	0	0
9451	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F1A	0	0	0
9452	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F2A	0	0	0
9453	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E2F1A	0	0	0
9454	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F1B	1495	-15853	-19374
9455	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F2B	1495	-15853	-19374
9456	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F3B	1495	-15853	-19374
9457	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C1F4B	1495	-15853	-19374
9458	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F1B	1495	-15853	-19374
9459	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	C2F2B	1495	-15853	-19374
9460	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F1B	1140	-14578	-17810
9461	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E1F2B	1140	-14578	-17810
9462	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	E2F1B	0	0	0
9463	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
9464	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
9465	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
9466	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
9467	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
9468	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
9469	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9470	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9471	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9472	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9473	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9474	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9475	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9476	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9477	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9478	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9479	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9480	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9481	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9482	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9483	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9484	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9485	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9486	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9487	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9488	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9489	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9490	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9491	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9492	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F1A	0	0	0
9493	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F2A	0	0	0
9494	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F3A	0	0	0
9495	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F4A	0	0	0
9496	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F1A	0	0	0
9497	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F2A	0	0	0
9498	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F1A	0	0	0
9499	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F2A	0	0	0
9500	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E2F1A	0	0	0
9501	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F1B	1095	-8515	-10614
9502	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F2B	1095	-8515	-10614
9503	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F3B	1095	-8515	-10614
9504	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C1F4B	1095	-8515	-10614
9505	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F1B	1095	-8515	-10614
9506	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	C2F2B	1095	-8515	-10614
9507	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F1B	775	-7225	-9016
9508	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E1F2B	775	-7225	-9016
9509	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	E2F1B	0	0	0
9510	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9511	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9512	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9513	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9514	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9515	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9516	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9517	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9518	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9519	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9520	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9521	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9522	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9523	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9524	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9525	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9526	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9527	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9528	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9529	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9530	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9531	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9532	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9533	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9534	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9535	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9536	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9537	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9538	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9539	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F1A	0	0	0
9540	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F2A	0	0	0
9541	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F3A	0	0	0
9542	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F4A	0	0	0
9543	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F1A	0	0	0
9544	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F2A	0	0	0
9545	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F1A	0	0	0
9546	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F2A	0	0	0
9547	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E2F1A	0	0	0
9548	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F1B	1642	-9466	-11831
9549	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F2B	1642	-9466	-11831
9550	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F3B	1642	-9466	-11831
9551	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C1F4B	1642	-9466	-11831
9552	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F1B	1642	-9466	-11831
9553	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	C2F2B	1642	-9466	-11831
9554	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F1B	1162	-7961	-9959
9555	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E1F2B	1162	-7961	-9959
9556	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	E2F1B	0	0	0
9557	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9558	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9559	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9560	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9561	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9562	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9563	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9564	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9565	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9566	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9567	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9568	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9569	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9570	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9571	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9572	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9573	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9574	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9575	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9576	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9577	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9578	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9579	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9580	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9581	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9582	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9583	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9584	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9585	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9586	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F1A	0	0	0
9587	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F2A	0	0	0
9588	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F3A	0	0	0
9589	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F4A	0	0	0
9590	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F1A	0	0	0
9591	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F2A	0	0	0
9592	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F1A	0	0	0
9593	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F2A	0	0	0
9594	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E2F1A	0	0	0
9595	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F1B	3442	-9466	-11831
9596	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F2B	3442	-9466	-11831
9597	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F3B	3442	-9466	-11831
9598	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C1F4B	3442	-9466	-11831
9599	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F1B	3442	-9466	-11831
9600	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	C2F2B	3442	-9466	-11831
9601	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F1B	2962	-7961	-9959
9602	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E1F2B	2962	-7961	-9959
9603	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	E2F1B	1800	0	0
9604	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9605	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9606	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9607	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9608	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9609	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9610	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9611	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9612	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9613	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9614	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9615	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9616	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9617	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9618	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9619	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9620	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9621	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9622	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9623	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9624	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9625	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9626	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9627	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9628	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9629	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9630	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9631	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9632	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9633	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F1A	769	-2252	1033
9634	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F2A	769	-2252	1033
9635	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F3A	769	-321	1243
9636	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F4A	769	-321	1243
9637	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F1A	769	-2252	1033
9638	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F2A	769	-321	1243
9639	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F1A	544	-2280	1079
9640	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F2A	544	-320	1248
9641	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E2F1A	544	-320	1248
9642	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F1B	0	0	0
9643	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F2B	0	0	0
9644	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F3B	0	0	0
9645	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C1F4B	0	0	0
9646	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F1B	0	0	0
9647	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	C2F2B	0	0	0
9648	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F1B	0	0	0
9649	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E1F2B	0	0	0
9650	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	E2F1B	544	-2280	1079
9651	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5S	0	0	-1476
9652	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5X	0	0	-1476
9653	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1476
9654	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1476
9655	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CP	0	0	-1686
9656	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CX	0	0	-1686
9657	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CXY	0	0	-1686
9658	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CY	0	0	-1686
9659	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10S	0	0	-370
9660	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10X	0	0	-370
9661	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10XY	0	0	-370
9662	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd10Y	0	0	-370
9663	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1P	0	0	-441
9664	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1X	0	0	-441
9665	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-441
9666	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-441
9667	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12S	0	0	-242
9668	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12X	0	0	-242
9669	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12XY	0	0	-242
9670	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	Sd12Y	0	0	-242
9671	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1P	0	0	-449
9672	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1X	0	0	-449
9673	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-449
9674	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-449
9675	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DP	0	0	-184
9676	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DX	0	0	-184
9677	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DXY	0	0	-184
9678	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	DY	0	0	-184
9679	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	TopP	0	0	-362

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9680	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F1A	1051	-4914	2450
9681	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F2A	1051	-4914	2450
9682	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F3A	1051	-739	2918
9683	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F4A	1051	-739	2918
9684	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F1A	1051	-4914	2450
9685	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F2A	1051	-739	2918
9686	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F1A	801	-5481	2763
9687	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F2A	801	-888	3521
9688	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E2F1A	801	-888	3521
9689	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F1B	0	0	0
9690	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F2B	0	0	0
9691	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F3B	0	0	0
9692	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C1F4B	0	0	0
9693	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F1B	0	0	0
9694	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	C2F2B	0	0	0
9695	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F1B	0	0	0
9696	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E1F2B	0	0	0
9697	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	E2F1B	801	-5481	2763
9698	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-681
9699	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-681
9700	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-681
9701	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-681
9702	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CP	0	0	-778
9703	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CX	0	0	-778
9704	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CXY	0	0	-778
9705	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CY	0	0	-778
9706	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-171
9707	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-171
9708	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-171
9709	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-171
9710	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-204
9711	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-204
9712	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-204
9713	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-204
9714	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-112
9715	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-112
9716	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-112
9717	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-112
9718	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-207
9719	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-207
9720	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-207
9721	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-207
9722	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DP	0	0	-85
9723	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DX	0	0	-85
9724	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DXY	0	0	-85
9725	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	DY	0	0	-85
9726	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	TopP	0	0	-167

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9727	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F1A	769	-2690	1379
9728	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F2A	769	-2690	1379
9729	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F3A	769	-383	1524
9730	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F4A	769	-383	1524
9731	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F1A	769	-2690	1379
9732	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F2A	769	-383	1524
9733	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F1A	544	-2988	1547
9734	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F2A	544	-473	1885
9735	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E2F1A	544	-473	1885
9736	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F1B	0	0	0
9737	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F2B	0	0	0
9738	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F3B	0	0	0
9739	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C1F4B	0	0	0
9740	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F1B	0	0	0
9741	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	C2F2B	0	0	0
9742	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F1B	0	0	0
9743	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E1F2B	0	0	0
9744	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	E2F1B	544	-2988	1547
9745	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-454
9746	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-454
9747	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-454
9748	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-454
9749	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-519
9750	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-519
9751	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-519
9752	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-519
9753	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-114
9754	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-114
9755	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-114
9756	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-114
9757	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-136
9758	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-136
9759	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-136
9760	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-136
9761	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-74
9762	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-74
9763	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-74
9764	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-74
9765	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-138
9766	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-138
9767	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-138
9768	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-138
9769	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-57
9770	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-57
9771	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-57
9772	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-57
9773	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9774	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F1A	1154	-2719	1395
9775	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F2A	1154	-2719	1395
9776	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F3A	1154	-386	1533
9777	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F4A	1154	-386	1533
9778	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F1A	1154	-2719	1395
9779	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F2A	1154	-386	1533
9780	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F1A	817	-2793	1444
9781	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F2A	817	-396	1577
9782	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E2F1A	817	-396	1577
9783	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F1B	0	0	0
9784	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F2B	0	0	0
9785	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F3B	0	0	0
9786	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C1F4B	0	0	0
9787	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F1B	0	0	0
9788	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	C2F2B	0	0	0
9789	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F1B	0	0	0
9790	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E1F2B	0	0	0
9791	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	E2F1B	817	-2793	1444
9792	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-454
9793	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-454
9794	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-454
9795	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-454
9796	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CP	0	0	-519
9797	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CX	0	0	-519
9798	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CXY	0	0	-519
9799	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CY	0	0	-519
9800	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-114
9801	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-114
9802	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-114
9803	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-114
9804	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-136
9805	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-136
9806	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-136
9807	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-136
9808	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-74
9809	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-74
9810	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-74
9811	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-74
9812	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-138
9813	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-138
9814	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-138
9815	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-138
9816	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DP	0	0	-57
9817	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DX	0	0	-57
9818	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DXY	0	0	-57
9819	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	DY	0	0	-57
9820	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9821	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F1A	2954	-2719	1395
9822	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F2A	2954	-2719	1395
9823	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F3A	2954	-386	1533
9824	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F4A	2954	-386	1533
9825	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F1A	2954	-2719	1395
9826	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F2A	2954	-386	1533
9827	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F1A	2617	-2793	1444
9828	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F2A	2617	-396	1577
9829	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E2F1A	2617	-396	1577
9830	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F1B	0	0	0
9831	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F2B	0	0	0
9832	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F3B	0	0	0
9833	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C1F4B	0	0	0
9834	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F1B	0	0	0
9835	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	C2F2B	0	0	0
9836	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F1B	0	0	0
9837	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E1F2B	0	0	0
9838	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	E2F1B	817	-2793	1444
9839	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-454
9840	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-454
9841	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-454
9842	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-454
9843	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CP	0	0	-519
9844	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CX	0	0	-519
9845	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CXY	0	0	-519
9846	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CY	0	0	-519
9847	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-114
9848	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-114
9849	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-114
9850	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-114
9851	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-136
9852	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-136
9853	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-136
9854	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-136
9855	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-74
9856	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-74
9857	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-74
9858	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-74
9859	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-138
9860	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-138
9861	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-138
9862	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-138
9863	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DP	0	0	-57
9864	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DX	0	0	-57
9865	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DXY	0	0	-57
9866	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	DY	0	0	-57
9867	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	TopP	0	0	-111

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9868	LC235_SeLS_NL1a=Wind_Dir=-90	C1F1A	669	-1987	845
9869	LC235_SeLS_NL1a=Wind_Dir=-90	C1F2A	669	-1987	845
9870	LC235_SeLS_NL1a=Wind_Dir=-90	C1F3A	669	-284	1080
9871	LC235_SeLS_NL1a=Wind_Dir=-90	C1F4A	669	-284	1080
9872	LC235_SeLS_NL1a=Wind_Dir=-90	C2F1A	669	-1987	845
9873	LC235_SeLS_NL1a=Wind_Dir=-90	C2F2A	669	-284	1080
9874	LC235_SeLS_NL1a=Wind_Dir=-90	E1F1A	473	-2005	895
9875	LC235_SeLS_NL1a=Wind_Dir=-90	E1F2A	473	-282	1084
9876	LC235_SeLS_NL1a=Wind_Dir=-90	E2F1A	473	-282	1084
9877	LC235_SeLS_NL1a=Wind_Dir=-90	C1F1B	952	-7242	-8082
9878	LC235_SeLS_NL1a=Wind_Dir=-90	C1F2B	952	-7242	-8082
9879	LC235_SeLS_NL1a=Wind_Dir=-90	C1F3B	952	-7242	-8082
9880	LC235_SeLS_NL1a=Wind_Dir=-90	C1F4B	952	-7242	-8082
9881	LC235_SeLS_NL1a=Wind_Dir=-90	C2F1B	952	-7242	-8082
9882	LC235_SeLS_NL1a=Wind_Dir=-90	C2F2B	952	-7242	-8082
9883	LC235_SeLS_NL1a=Wind_Dir=-90	E1F1B	674	-6066	-6802
9884	LC235_SeLS_NL1a=Wind_Dir=-90	E1F2B	674	-6066	-6802
9885	LC235_SeLS_NL1a=Wind_Dir=-90	E2F1B	473	-2005	895
9886	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5S	0	0	-1893
9887	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5X	0	0	-1893
9888	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5XY	0	0	-1893
9889	LC235_SeLS_NL1a=Wind_Dir=-90	Sd5Y	0	0	-1893
9890	LC235_SeLS_NL1a=Wind_Dir=-90	CP	0	0	-2162
9891	LC235_SeLS_NL1a=Wind_Dir=-90	CX	0	0	-2162
9892	LC235_SeLS_NL1a=Wind_Dir=-90	CXY	0	0	-2162
9893	LC235_SeLS_NL1a=Wind_Dir=-90	CY	0	0	-2162
9894	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10S	0	0	-475
9895	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10X	0	0	-475
9896	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10XY	0	0	-475
9897	LC235_SeLS_NL1a=Wind_Dir=-90	Sd10Y	0	0	-475
9898	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1P	0	0	-565
9899	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1X	0	0	-565
9900	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1XY	0	0	-565
9901	LC235_SeLS_NL1a=Wind_Dir=-90	CA2.1Y	0	0	-565
9902	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12S	0	0	-310
9903	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12X	0	0	-310
9904	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12XY	0	0	-310
9905	LC235_SeLS_NL1a=Wind_Dir=-90	Sd12Y	0	0	-310
9906	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1P	0	0	-576
9907	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1X	0	0	-576
9908	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1XY	0	0	-576
9909	LC235_SeLS_NL1a=Wind_Dir=-90	CA1.1Y	0	0	-576
9910	LC235_SeLS_NL1a=Wind_Dir=-90	DP	0	0	-236
9911	LC235_SeLS_NL1a=Wind_Dir=-90	DX	0	0	-236
9912	LC235_SeLS_NL1a=Wind_Dir=-90	DXY	0	0	-236
9913	LC235_SeLS_NL1a=Wind_Dir=-90	DY	0	0	-236
9914	LC235_SeLS_NL1a=Wind_Dir=-90	TopP	0	0	-463

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9915	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F1A	1496	-4271	2135
9916	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F2A	1496	-4271	2135
9917	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F3A	1496	-642	2537
9918	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F4A	1496	-642	2537
9919	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F1A	1496	-4271	2135
9920	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F2A	1496	-642	2537
9921	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F1A	1228	-4764	2407
9922	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F2A	1228	-772	3062
9923	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E2F1A	1228	-772	3062
9924	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F1B	2130	-13769	-16859
9925	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F2B	2130	-13769	-16859
9926	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F3B	2130	-13769	-16859
9927	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C1F4B	2130	-13769	-16859
9928	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F1B	2130	-13769	-16859
9929	LC236_SeLS_NL3=Wind+Ice_Dir=-90	C2F2B	2130	-13769	-16859
9930	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F1B	1748	-12662	-15499
9931	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E1F2B	1748	-12662	-15499
9932	LC236_SeLS_NL3=Wind+Ice_Dir=-90	E2F1B	1228	-4764	2407
9933	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5S	0	0	-568
9934	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5X	0	0	-568
9935	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5XY	0	0	-568
9936	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd5Y	0	0	-568
9937	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CP	0	0	-649
9938	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CX	0	0	-649
9939	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CXY	0	0	-649
9940	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CY	0	0	-649
9941	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10S	0	0	-142
9942	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10X	0	0	-142
9943	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10XY	0	0	-142
9944	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd10Y	0	0	-142
9945	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1P	0	0	-170
9946	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1X	0	0	-170
9947	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1XY	0	0	-170
9948	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA2.1Y	0	0	-170
9949	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12S	0	0	-93
9950	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12X	0	0	-93
9951	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12XY	0	0	-93
9952	LC236_SeLS_NL3=Wind+Ice_Dir=-90	Sd12Y	0	0	-93
9953	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1P	0	0	-173
9954	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1X	0	0	-173
9955	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1XY	0	0	-173
9956	LC236_SeLS_NL3=Wind+Ice_Dir=-90	CA1.1Y	0	0	-173
9957	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DP	0	0	-71
9958	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DX	0	0	-71
9959	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DXY	0	0	-71
9960	LC236_SeLS_NL3=Wind+Ice_Dir=-90	DY	0	0	-71
9961	LC236_SeLS_NL3=Wind+Ice_Dir=-90	TopP	0	0	-139

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
9962	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F1A	669	-2338	1201
9963	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F2A	669	-2338	1201
9964	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F3A	669	-333	1325
9965	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F4A	669	-333	1325
9966	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F1A	669	-2338	1201
9967	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F2A	669	-333	1325
9968	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F1A	473	-2597	1347
9969	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F2A	473	-411	1639
9970	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E2F1A	473	-411	1639
9971	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F1B	952	-7400	-9234
9972	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F2B	952	-7400	-9234
9973	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F3B	952	-7400	-9234
9974	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C1F4B	952	-7400	-9234
9975	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F1B	952	-7400	-9234
9976	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	C2F2B	952	-7400	-9234
9977	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F1B	674	-6278	-7843
9978	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E1F2B	674	-6278	-7843
9979	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	E2F1B	473	-2597	1347
9980	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5S	0	0	-379
9981	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5X	0	0	-379
9982	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5XY	0	0	-379
9983	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd5Y	0	0	-379
9984	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CP	0	0	-432
9985	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CX	0	0	-432
9986	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CXY	0	0	-432
9987	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CY	0	0	-432
9988	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10S	0	0	-95
9989	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10X	0	0	-95
9990	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10XY	0	0	-95
9991	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd10Y	0	0	-95
9992	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1P	0	0	-113
9993	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1X	0	0	-113
9994	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1XY	0	0	-113
9995	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA2.1Y	0	0	-113
9996	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12S	0	0	-62
9997	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12X	0	0	-62
9998	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12XY	0	0	-62
9999	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	Sd12Y	0	0	-62
10000	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1P	0	0	-115
10001	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1X	0	0	-115
10002	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1XY	0	0	-115
10003	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	CA1.1Y	0	0	-115
10004	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DP	0	0	-47
10005	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DX	0	0	-47
10006	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DXY	0	0	-47
10007	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	DY	0	0	-47
10008	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	TopP	0	0	-93

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10009	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F1A	1003	-2364	1214
10010	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F2A	1003	-2364	1214
10011	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F3A	1003	-335	1333
10012	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F4A	1003	-335	1333
10013	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F1A	1003	-2364	1214
10014	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F2A	1003	-335	1333
10015	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F1A	710	-2428	1257
10016	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F2A	710	-344	1371
10017	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E2F1A	710	-344	1371
10018	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F1B	1428	-8227	-10292
10019	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F2B	1428	-8227	-10292
10020	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F3B	1428	-8227	-10292
10021	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C1F4B	1428	-8227	-10292
10022	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F1B	1428	-8227	-10292
10023	LC238_SeLS_NL6a=Cons+Main_Dir=-90	C2F2B	1428	-8227	-10292
10024	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F1B	1011	-6919	-8663
10025	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E1F2B	1011	-6919	-8663
10026	LC238_SeLS_NL6a=Cons+Main_Dir=-90	E2F1B	710	-2428	1257
10027	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5S	0	0	-379
10028	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5X	0	0	-379
10029	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5XY	0	0	-379
10030	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd5Y	0	0	-379
10031	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CP	0	0	-432
10032	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CX	0	0	-432
10033	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CXY	0	0	-432
10034	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CY	0	0	-432
10035	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10S	0	0	-95
10036	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10X	0	0	-95
10037	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10XY	0	0	-95
10038	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd10Y	0	0	-95
10039	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1P	0	0	-113
10040	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1X	0	0	-113
10041	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1XY	0	0	-113
10042	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA2.1Y	0	0	-113
10043	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12S	0	0	-62
10044	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12X	0	0	-62
10045	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12XY	0	0	-62
10046	LC238_SeLS_NL6a=Cons+Main_Dir=-90	Sd12Y	0	0	-62
10047	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1P	0	0	-115
10048	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1X	0	0	-115
10049	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1XY	0	0	-115
10050	LC238_SeLS_NL6a=Cons+Main_Dir=-90	CA1.1Y	0	0	-115
10051	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DP	0	0	-47
10052	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DX	0	0	-47
10053	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DXY	0	0	-47
10054	LC238_SeLS_NL6a=Cons+Main_Dir=-90	DY	0	0	-47
10055	LC238_SeLS_NL6a=Cons+Main_Dir=-90	TopP	0	0	-93

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10056	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F1A	2503	-2364	1214
10057	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F2A	2503	-2364	1214
10058	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F3A	2503	-335	1333
10059	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F4A	2503	-335	1333
10060	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F1A	2503	-2364	1214
10061	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F2A	2503	-335	1333
10062	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F1A	2210	-2428	1257
10063	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F2A	2210	-344	1371
10064	LC239_SeLS_NL6b=Linesmen_Dir=-90	E2F1A	2210	-344	1371
10065	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F1B	1428	-8227	-10292
10066	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F2B	1428	-8227	-10292
10067	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F3B	1428	-8227	-10292
10068	LC239_SeLS_NL6b=Linesmen_Dir=-90	C1F4B	1428	-8227	-10292
10069	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F1B	1428	-8227	-10292
10070	LC239_SeLS_NL6b=Linesmen_Dir=-90	C2F2B	1428	-8227	-10292
10071	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F1B	1011	-6919	-8663
10072	LC239_SeLS_NL6b=Linesmen_Dir=-90	E1F2B	1011	-6919	-8663
10073	LC239_SeLS_NL6b=Linesmen_Dir=-90	E2F1B	710	-2428	1257
10074	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5S	0	0	-379
10075	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5X	0	0	-379
10076	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5XY	0	0	-379
10077	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd5Y	0	0	-379
10078	LC239_SeLS_NL6b=Linesmen_Dir=-90	CP	0	0	-432
10079	LC239_SeLS_NL6b=Linesmen_Dir=-90	CX	0	0	-432
10080	LC239_SeLS_NL6b=Linesmen_Dir=-90	CXY	0	0	-432
10081	LC239_SeLS_NL6b=Linesmen_Dir=-90	CY	0	0	-432
10082	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10S	0	0	-95
10083	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10X	0	0	-95
10084	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10XY	0	0	-95
10085	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd10Y	0	0	-95
10086	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1P	0	0	-113
10087	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1X	0	0	-113
10088	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1XY	0	0	-113
10089	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA2.1Y	0	0	-113
10090	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12S	0	0	-62
10091	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12X	0	0	-62
10092	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12XY	0	0	-62
10093	LC239_SeLS_NL6b=Linesmen_Dir=-90	Sd12Y	0	0	-62
10094	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1P	0	0	-115
10095	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1X	0	0	-115
10096	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1XY	0	0	-115
10097	LC239_SeLS_NL6b=Linesmen_Dir=-90	CA1.1Y	0	0	-115
10098	LC239_SeLS_NL6b=Linesmen_Dir=-90	DP	0	0	-47
10099	LC239_SeLS_NL6b=Linesmen_Dir=-90	DX	0	0	-47
10100	LC239_SeLS_NL6b=Linesmen_Dir=-90	DXY	0	0	-47
10101	LC239_SeLS_NL6b=Linesmen_Dir=-90	DY	0	0	-47
10102	LC239_SeLS_NL6b=Linesmen_Dir=-90	TopP	0	0	-93

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10103	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1A	769	-3423	1820
10104	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2A	769	-3423	1820
10105	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3A	769	-1439	5772
10106	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4A	769	-1439	5772
10107	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1A	769	-3423	1820
10108	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2A	769	-1439	5772
10109	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1A	771	-3944	2097
10110	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2A	771	-1583	6350
10111	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1A	771	-1583	6350
10112	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1B	1095	-17640	-22578
10113	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2B	1095	-17640	-22578
10114	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3B	1095	-17640	-22578
10115	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4B	1095	-17640	-22578
10116	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1B	1095	-17640	-22578
10117	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2B	1095	-17640	-22578
10118	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1B	1753	-16389	-20977
10119	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2B	1753	-16389	-20977
10120	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1B	1231	-3944	2097

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10121	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1A	669	-2977	1583
10122	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2A	669	-2977	1583
10123	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3A	669	-1251	5019
10124	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4A	669	-1251	5019
10125	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1A	669	-2977	1583
10126	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2A	669	-1251	5019
10127	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1A	700	-3429	1823
10128	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2A	700	-1377	5522
10129	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1A	700	-1377	5522
10130	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F1B	952	-15339	-19633
10131	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F2B	952	-15339	-19633
10132	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F3B	952	-15339	-19633
10133	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C1F4B	952	-15339	-19633
10134	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F1B	952	-15339	-19633
10135	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	C2F2B	952	-15339	-19633
10136	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F1B	1426	-14252	-18241
10137	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E1F2B	1426	-14252	-18241
10138	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	E2F1B	1002	-3429	1823

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10139	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	692	-1065	555
10140	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	692	-1065	555
10141	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	692	-600	1883
10142	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	692	-600	1883
10143	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	692	-1065	555
10144	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	692	-600	1883
10145	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	490	-1050	549
10146	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	490	-584	1917
10147	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	490	-584	1917
10148	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	985	-14673	-14394
10149	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	985	-14673	-14394
10150	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	985	-14673	-14394
10151	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	985	-14673	-14394
10152	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	985	-14673	-14394
10153	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	985	-14673	-14394
10154	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	697	-12337	-12236
10155	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	697	-12337	-12236
10156	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	490	-1050	549
10157	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-2481	1939
10158	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-2481	1939
10159	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-2481	1939
10160	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-2481	1939
10161	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-2834	2214
10162	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-2834	2214
10163	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-2834	2214
10164	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-2834	2214
10165	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-1629	1273
10166	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-1629	1273
10167	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-1629	1273
10168	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-1629	1273
10169	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-741	579
10170	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-741	579
10171	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-741	579
10172	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-741	579
10173	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-947	740
10174	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-947	740
10175	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-947	740
10176	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-947	740
10177	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-755	590
10178	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-755	590
10179	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-755	590
10180	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-755	590
10181	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-719	562
10182	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-719	562
10183	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-719	562
10184	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-719	562
10185	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-608	475

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10186	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	1660	-2532	1339
10187	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	1660	-2532	1339
10188	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	1660	-1155	4295
10189	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	1660	-1155	4295
10190	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	1660	-2532	1339
10191	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	1660	-1155	4295
10192	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	1373	-3005	1591
10193	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	1373	-1302	4908
10194	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	1373	-1302	4908
10195	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	2363	-24270	-28241
10196	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	2363	-24270	-28241
10197	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	2363	-24270	-28241
10198	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	2363	-24270	-28241
10199	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	2363	-24270	-28241
10200	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	2363	-24270	-28241
10201	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1954	-23065	-26909
10202	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1954	-23065	-26909
10203	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	1373	-3005	1591
10204	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-744	582
10205	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-744	582
10206	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-744	582
10207	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-744	582
10208	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-850	664
10209	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-850	664
10210	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-850	664
10211	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-850	664
10212	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-489	382
10213	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-489	382
10214	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-489	382
10215	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-489	382
10216	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-222	174
10217	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-222	174
10218	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-222	174
10219	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-222	174
10220	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-284	222
10221	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-284	222
10222	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-284	222
10223	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-284	222
10224	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-226	177
10225	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-226	177
10226	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-226	177
10227	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-226	177
10228	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-216	168
10229	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-216	168
10230	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-216	168
10231	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-216	168
10232	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-182	142

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10233	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	692	-1372	727
10234	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	692	-1372	727
10235	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	692	-597	2288
10236	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	692	-597	2288
10237	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	692	-1372	727
10238	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	692	-597	2288
10239	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	490	-1529	811
10240	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	490	-704	2740
10241	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	490	-704	2740
10242	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	985	-13892	-16904
10243	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	985	-13892	-16904
10244	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	985	-13892	-16904
10245	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	985	-13892	-16904
10246	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	985	-13892	-16904
10247	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	985	-13892	-16904
10248	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	697	-11766	-14349
10249	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	697	-11766	-14349
10250	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	490	-1529	811
10251	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-496	388
10252	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-496	388
10253	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-496	388
10254	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-496	388
10255	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-567	443
10256	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-567	443
10257	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-567	443
10258	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-567	443
10259	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-326	255
10260	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-326	255
10261	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-326	255
10262	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-326	255
10263	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-148	116
10264	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-148	116
10265	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-148	116
10266	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-148	116
10267	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-189	148
10268	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-189	148
10269	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-189	148
10270	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-189	148
10271	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-151	118
10272	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-151	118
10273	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-151	118
10274	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-151	118
10275	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-144	112
10276	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-144	112
10277	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-144	112
10278	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-144	112
10279	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-122	95

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10280	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	1038	-1314	696
10281	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	1038	-1314	696
10282	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	1038	-611	2347
10283	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	1038	-611	2347
10284	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	1038	-1314	696
10285	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	1038	-611	2347
10286	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	735	-1318	699
10287	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	735	-628	2432
10288	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	735	-628	2432
10289	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1478	-15650	-19154
10290	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1478	-15650	-19154
10291	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1478	-15650	-19154
10292	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1478	-15650	-19154
10293	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1478	-15650	-19154
10294	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1478	-15650	-19154
10295	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	1046	-13230	-16223
10296	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	1046	-13230	-16223
10297	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	735	-1318	699
10298	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-496	388
10299	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-496	388
10300	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-496	388
10301	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-496	388
10302	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-567	443
10303	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-567	443
10304	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-567	443
10305	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-567	443
10306	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-326	255
10307	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-326	255
10308	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-326	255
10309	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-326	255
10310	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-148	116
10311	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-148	116
10312	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-148	116
10313	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-148	116
10314	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-189	148
10315	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-189	148
10316	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-189	148
10317	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-189	148
10318	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-151	118
10319	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-151	118
10320	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-151	118
10321	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-151	118
10322	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-144	112
10323	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-144	112
10324	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-144	112
10325	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-144	112
10326	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-122	95

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10327	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2793	-1314	696
10328	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2793	-1314	696
10329	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2793	-611	2347
10330	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2793	-611	2347
10331	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2793	-1314	696
10332	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2793	-611	2347
10333	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2490	-1318	699
10334	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2490	-628	2432
10335	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2490	-628	2432
10336	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1478	-15650	-19154
10337	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1478	-15650	-19154
10338	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1478	-15650	-19154
10339	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1478	-15650	-19154
10340	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1478	-15650	-19154
10341	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1478	-15650	-19154
10342	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	1046	-13230	-16223
10343	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	1046	-13230	-16223
10344	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	735	-1318	699
10345	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-496	388
10346	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-496	388
10347	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-496	388
10348	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-496	388
10349	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-567	443
10350	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-567	443
10351	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-567	443
10352	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-567	443
10353	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-326	255
10354	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-326	255
10355	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-326	255
10356	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-326	255
10357	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-148	116
10358	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-148	116
10359	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-148	116
10360	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-148	116
10361	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-189	148
10362	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-189	148
10363	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-189	148
10364	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-189	148
10365	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-151	118
10366	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-151	118
10367	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-151	118
10368	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-151	118
10369	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-144	112
10370	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-144	112
10371	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-144	112
10372	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-144	112
10373	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-122	95

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10374	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
10375	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
10376	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	692	-546	1896
10377	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	692	-546	1896
10378	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
10379	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	692	-546	1896
10380	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
10381	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	490	-540	1928
10382	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	490	-540	1928
10383	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	985	-13730	-15131
10384	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	985	-13730	-15131
10385	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	985	-13730	-15131
10386	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	985	-13730	-15131
10387	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	985	-13730	-15131
10388	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	985	-13730	-15131
10389	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	697	-11573	-12832
10390	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	697	-11573	-12832
10391	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
10392	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
10393	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
10394	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
10395	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
10396	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
10397	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
10398	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
10399	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
10400	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
10401	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
10402	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
10403	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
10404	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
10405	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
10406	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
10407	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
10408	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
10409	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
10410	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
10411	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
10412	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
10413	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
10414	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
10415	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
10416	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
10417	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
10418	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
10419	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
10420	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10421	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	0	0	0
10422	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	0	0	0
10423	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	945	-1144	4298
10424	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	945	-1144	4298
10425	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	0	0	0
10426	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	945	-1144	4298
10427	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	0	0	0
10428	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	721	-1291	4911
10429	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	721	-1291	4911
10430	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1346	-24075	-28394
10431	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1346	-24075	-28394
10432	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1346	-24075	-28394
10433	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1346	-24075	-28394
10434	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1346	-24075	-28394
10435	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1346	-24075	-28394
10436	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1026	-22884	-27050
10437	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1026	-22884	-27050
10438	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	0	0	0
10439	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
10440	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
10441	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
10442	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
10443	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
10444	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
10445	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
10446	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
10447	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
10448	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
10449	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
10450	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
10451	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
10452	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
10453	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
10454	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
10455	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
10456	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
10457	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
10458	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
10459	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
10460	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
10461	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
10462	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
10463	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
10464	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
10465	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
10466	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
10467	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10468	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
10469	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
10470	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	692	-593	2289
10471	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	692	-593	2289
10472	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
10473	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	692	-593	2289
10474	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
10475	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	490	-701	2740
10476	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	490	-701	2740
10477	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	985	-13831	-16952
10478	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	985	-13831	-16952
10479	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	985	-13831	-16952
10480	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	985	-13831	-16952
10481	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	985	-13831	-16952
10482	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	985	-13831	-16952
10483	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	697	-11717	-14388
10484	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	697	-11717	-14388
10485	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
10486	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10487	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10488	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10489	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10490	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
10491	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
10492	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
10493	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
10494	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10495	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10496	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10497	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10498	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10499	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10500	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10501	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10502	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10503	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10504	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10505	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10506	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10507	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10508	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10509	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10510	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
10511	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
10512	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
10513	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
10514	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10515	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	0	0	0
10516	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	0	0	0
10517	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	1038	-608	2348
10518	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	1038	-608	2348
10519	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	0	0	0
10520	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	1038	-608	2348
10521	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	0	0	0
10522	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	735	-625	2432
10523	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	735	-625	2432
10524	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
10525	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
10526	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
10527	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
10528	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
10529	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
10530	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
10531	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
10532	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	0	0	0
10533	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10534	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10535	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10536	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10537	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
10538	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
10539	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
10540	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
10541	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10542	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10543	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10544	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10545	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10546	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10547	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10548	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10549	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10550	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10551	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10552	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10553	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10554	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10555	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10556	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10557	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
10558	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
10559	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
10560	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
10561	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10562	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	1620	0	0
10563	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	1620	0	0
10564	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2658	-608	2348
10565	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2658	-608	2348
10566	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	1620	0	0
10567	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2658	-608	2348
10568	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	1620	0	0
10569	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2355	-625	2432
10570	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2355	-625	2432
10571	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
10572	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
10573	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
10574	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
10575	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
10576	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
10577	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
10578	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
10579	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	0	0	0
10580	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10581	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10582	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10583	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10584	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
10585	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
10586	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
10587	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
10588	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10589	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10590	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10591	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10592	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10593	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10594	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10595	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10596	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10597	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10598	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10599	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10600	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10601	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10602	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10603	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10604	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
10605	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
10606	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
10607	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
10608	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10609	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	692	-1063	559
10610	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	692	-1063	559
10611	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
10612	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
10613	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	692	-1063	559
10614	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
10615	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	490	-1049	552
10616	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
10617	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
10618	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	985	-13730	-15131
10619	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	985	-13730	-15131
10620	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	985	-13730	-15131
10621	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	985	-13730	-15131
10622	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	985	-13730	-15131
10623	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	985	-13730	-15131
10624	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	697	-11573	-12832
10625	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	697	-11573	-12832
10626	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	490	-1049	552
10627	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
10628	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
10629	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
10630	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
10631	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
10632	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
10633	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
10634	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
10635	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
10636	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
10637	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
10638	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
10639	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
10640	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
10641	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
10642	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
10643	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
10644	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
10645	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
10646	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
10647	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
10648	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
10649	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
10650	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
10651	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
10652	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
10653	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
10654	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
10655	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10656	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	945	-2531	1340
10657	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	945	-2531	1340
10658	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	0	0	0
10659	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	0	0	0
10660	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	945	-2531	1340
10661	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	0	0	0
10662	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	721	-3005	1592
10663	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	0	0	0
10664	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	0	0	0
10665	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1346	-24075	-28394
10666	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1346	-24075	-28394
10667	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1346	-24075	-28394
10668	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1346	-24075	-28394
10669	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1346	-24075	-28394
10670	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1346	-24075	-28394
10671	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1026	-22884	-27050
10672	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1026	-22884	-27050
10673	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	721	-3005	1592
10674	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
10675	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
10676	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
10677	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
10678	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
10679	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
10680	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
10681	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
10682	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
10683	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
10684	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
10685	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
10686	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
10687	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
10688	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
10689	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
10690	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
10691	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
10692	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
10693	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
10694	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
10695	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
10696	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
10697	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
10698	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
10699	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
10700	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
10701	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
10702	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10703	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	692	-1372	727
10704	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	692	-1372	727
10705	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
10706	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
10707	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	692	-1372	727
10708	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
10709	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	490	-1529	811
10710	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
10711	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
10712	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	985	-13831	-16952
10713	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	985	-13831	-16952
10714	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	985	-13831	-16952
10715	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	985	-13831	-16952
10716	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	985	-13831	-16952
10717	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	985	-13831	-16952
10718	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	697	-11717	-14388
10719	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	697	-11717	-14388
10720	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	490	-1529	811
10721	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10722	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10723	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10724	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10725	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
10726	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
10727	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
10728	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
10729	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10730	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10731	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10732	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10733	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10734	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10735	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10736	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10737	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10738	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10739	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10740	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10741	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10742	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10743	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10744	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10745	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
10746	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
10747	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
10748	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
10749	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10750	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	1038	-1313	696
10751	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	1038	-1313	696
10752	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	0	0	0
10753	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	0	0	0
10754	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	1038	-1313	696
10755	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	0	0	0
10756	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	735	-1317	699
10757	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	0	0	0
10758	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	0	0	0
10759	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
10760	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
10761	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
10762	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
10763	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
10764	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
10765	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
10766	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
10767	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
10768	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10769	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10770	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10771	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10772	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
10773	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
10774	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
10775	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
10776	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10777	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10778	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10779	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10780	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10781	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10782	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10783	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10784	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10785	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10786	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10787	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10788	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10789	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10790	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10791	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10792	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
10793	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
10794	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
10795	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
10796	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10797	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2658	-1313	696
10798	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2658	-1313	696
10799	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	1620	0	0
10800	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	1620	0	0
10801	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2658	-1313	696
10802	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	1620	0	0
10803	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2355	-1317	699
10804	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	1620	0	0
10805	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	1620	0	0
10806	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
10807	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
10808	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
10809	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
10810	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
10811	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
10812	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
10813	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
10814	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
10815	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10816	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10817	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10818	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10819	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
10820	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
10821	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
10822	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
10823	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10824	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10825	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10826	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10827	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10828	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10829	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10830	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10831	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10832	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10833	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10834	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10835	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10836	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10837	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10838	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10839	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
10840	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
10841	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
10842	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
10843	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10844	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	692	-1063	559
10845	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	692	-1063	559
10846	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	692	-546	1896
10847	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	692	-546	1896
10848	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	692	-1063	559
10849	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	692	-546	1896
10850	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	490	-1049	552
10851	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	490	-540	1928
10852	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	490	-540	1928
10853	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
10854	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
10855	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	985	-13730	-15131
10856	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	985	-13730	-15131
10857	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
10858	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	985	-13730	-15131
10859	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
10860	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	697	-11573	-12832
10861	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	490	-1049	552
10862	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
10863	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
10864	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
10865	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
10866	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
10867	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
10868	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
10869	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
10870	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
10871	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
10872	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
10873	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
10874	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
10875	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
10876	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
10877	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
10878	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
10879	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
10880	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
10881	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
10882	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
10883	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
10884	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
10885	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
10886	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
10887	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
10888	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
10889	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
10890	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10891	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	945	-2531	1340
10892	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	945	-2531	1340
10893	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	945	-1144	4298
10894	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	945	-1144	4298
10895	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	945	-2531	1340
10896	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	945	-1144	4298
10897	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	721	-3005	1592
10898	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	721	-1291	4911
10899	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	721	-1291	4911
10900	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	0	0	0
10901	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	0	0	0
10902	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1346	-24075	-28394
10903	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1346	-24075	-28394
10904	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	0	0	0
10905	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1346	-24075	-28394
10906	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	0	0	0
10907	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1026	-22884	-27050
10908	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	721	-3005	1592
10909	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
10910	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
10911	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
10912	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
10913	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
10914	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
10915	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
10916	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
10917	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
10918	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
10919	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
10920	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
10921	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
10922	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
10923	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
10924	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
10925	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
10926	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
10927	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
10928	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
10929	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
10930	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
10931	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
10932	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
10933	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
10934	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
10935	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
10936	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
10937	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10938	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	692	-1372	727
10939	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	692	-1372	727
10940	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	692	-593	2289
10941	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	692	-593	2289
10942	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	692	-1372	727
10943	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	692	-593	2289
10944	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	490	-1529	811
10945	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	490	-701	2740
10946	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	490	-701	2740
10947	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
10948	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
10949	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	985	-13831	-16952
10950	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	985	-13831	-16952
10951	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
10952	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	985	-13831	-16952
10953	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
10954	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	697	-11717	-14388
10955	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	490	-1529	811
10956	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
10957	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
10958	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
10959	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
10960	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
10961	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
10962	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
10963	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
10964	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
10965	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
10966	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
10967	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
10968	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
10969	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
10970	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
10971	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
10972	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
10973	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
10974	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
10975	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
10976	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
10977	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
10978	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
10979	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
10980	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
10981	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
10982	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
10983	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
10984	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
10985	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	1038	-1313	696
10986	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	1038	-1313	696
10987	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	1038	-608	2348
10988	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	1038	-608	2348
10989	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	1038	-1313	696
10990	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	1038	-608	2348
10991	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	735	-1317	699
10992	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	735	-625	2432
10993	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	735	-625	2432
10994	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	0	0	0
10995	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	0	0	0
10996	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
10997	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
10998	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	0	0	0
10999	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
11000	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	0	0	0
11001	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
11002	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
11003	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11004	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11005	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11006	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11007	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11008	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11009	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11010	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11011	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11012	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11013	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11014	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11015	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11016	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11017	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11018	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11019	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11020	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11021	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11022	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11023	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11024	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11025	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11026	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11027	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11028	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11029	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11030	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11031	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11032	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2658	-1313	696
11033	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2658	-1313	696
11034	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2658	-608	2348
11035	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2658	-608	2348
11036	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2658	-1313	696
11037	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2658	-608	2348
11038	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2355	-1317	699
11039	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2355	-625	2432
11040	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2355	-625	2432
11041	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	0	0	0
11042	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	0	0	0
11043	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
11044	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
11045	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	0	0	0
11046	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
11047	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	0	0	0
11048	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
11049	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
11050	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11051	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11052	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11053	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11054	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11055	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11056	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11057	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11058	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11059	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11060	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11061	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11062	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11063	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11064	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11065	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11066	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11067	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11068	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11069	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11070	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11071	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11072	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11073	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11074	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11075	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11076	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11077	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11078	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11079	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	692	-1063	559
11080	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	692	-1063	559
11081	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	692	-546	1896
11082	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	692	-546	1896
11083	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	692	-1063	559
11084	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	692	-546	1896
11085	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	490	-1049	552
11086	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	490	-540	1928
11087	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	490	-540	1928
11088	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	985	-13730	-15131
11089	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	985	-13730	-15131
11090	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11091	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11092	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	985	-13730	-15131
11093	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11094	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	697	-11573	-12832
11095	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11096	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	490	-1049	552
11097	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
11098	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
11099	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
11100	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
11101	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
11102	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
11103	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
11104	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
11105	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
11106	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
11107	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
11108	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
11109	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
11110	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
11111	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
11112	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
11113	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
11114	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
11115	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
11116	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
11117	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
11118	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
11119	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
11120	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
11121	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
11122	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
11123	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
11124	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
11125	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11126	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	945	-2531	1340
11127	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	945	-2531	1340
11128	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	945	-1144	4298
11129	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	945	-1144	4298
11130	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	945	-2531	1340
11131	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	945	-1144	4298
11132	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	721	-3005	1592
11133	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	721	-1291	4911
11134	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	721	-1291	4911
11135	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1346	-24075	-28394
11136	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1346	-24075	-28394
11137	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	0	0	0
11138	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	0	0	0
11139	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1346	-24075	-28394
11140	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	0	0	0
11141	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1026	-22884	-27050
11142	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	0	0	0
11143	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	721	-3005	1592
11144	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
11145	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
11146	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
11147	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
11148	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
11149	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
11150	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
11151	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
11152	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
11153	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
11154	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
11155	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
11156	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
11157	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
11158	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
11159	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
11160	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
11161	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
11162	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
11163	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
11164	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
11165	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
11166	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
11167	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
11168	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
11169	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
11170	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
11171	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
11172	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11173	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	692	-1372	727
11174	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	692	-1372	727
11175	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	692	-593	2289
11176	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	692	-593	2289
11177	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	692	-1372	727
11178	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	692	-593	2289
11179	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	490	-1529	811
11180	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	490	-701	2740
11181	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	490	-701	2740
11182	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	985	-13831	-16952
11183	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	985	-13831	-16952
11184	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11185	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11186	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	985	-13831	-16952
11187	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11188	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	697	-11717	-14388
11189	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11190	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	490	-1529	811
11191	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11192	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11193	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11194	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11195	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
11196	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
11197	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
11198	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
11199	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11200	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11201	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11202	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11203	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11204	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11205	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11206	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11207	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11208	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11209	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11210	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11211	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11212	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11213	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11214	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11215	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
11216	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
11217	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
11218	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
11219	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11220	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	1038	-1313	696
11221	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	1038	-1313	696
11222	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	1038	-608	2348
11223	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	1038	-608	2348
11224	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	1038	-1313	696
11225	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	1038	-608	2348
11226	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	735	-1317	699
11227	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	735	-625	2432
11228	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	735	-625	2432
11229	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
11230	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
11231	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	0	0	0
11232	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	0	0	0
11233	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
11234	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	0	0	0
11235	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
11236	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	0	0	0
11237	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
11238	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11239	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11240	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11241	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11242	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11243	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11244	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11245	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11246	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11247	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11248	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11249	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11250	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11251	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11252	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11253	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11254	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11255	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11256	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11257	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11258	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11259	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11260	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11261	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11262	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11263	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11264	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11265	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11266	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11267	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2658	-1313	696
11268	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2658	-1313	696
11269	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2658	-608	2348
11270	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2658	-608	2348
11271	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2658	-1313	696
11272	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2658	-608	2348
11273	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2355	-1317	699
11274	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2355	-625	2432
11275	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2355	-625	2432
11276	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
11277	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
11278	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	0	0	0
11279	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	0	0	0
11280	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
11281	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	0	0	0
11282	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
11283	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	0	0	0
11284	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
11285	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11286	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11287	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11288	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11289	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11290	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11291	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11292	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11293	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11294	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11295	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11296	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11297	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11298	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11299	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11300	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11301	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11302	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11303	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11304	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11305	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11306	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11307	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11308	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11309	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11310	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11311	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11312	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11313	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11314	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
11315	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
11316	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
11317	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
11318	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
11319	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
11320	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
11321	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
11322	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
11323	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	985	-13730	-15131
11324	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	985	-13730	-15131
11325	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	985	-13730	-15131
11326	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	985	-13730	-15131
11327	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	985	-13730	-15131
11328	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	985	-13730	-15131
11329	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	697	-11573	-12832
11330	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	697	-11573	-12832
11331	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
11332	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
11333	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
11334	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
11335	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
11336	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
11337	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
11338	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
11339	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
11340	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
11341	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
11342	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
11343	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
11344	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
11345	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
11346	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
11347	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
11348	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
11349	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
11350	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
11351	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
11352	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
11353	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
11354	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
11355	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
11356	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
11357	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
11358	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
11359	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
11360	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11361	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	0	0	0
11362	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	0	0	0
11363	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	0	0	0
11364	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	0	0	0
11365	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	0	0	0
11366	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	0	0	0
11367	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	0	0	0
11368	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	0	0	0
11369	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	0	0	0
11370	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1346	-24075	-28394
11371	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1346	-24075	-28394
11372	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1346	-24075	-28394
11373	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1346	-24075	-28394
11374	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1346	-24075	-28394
11375	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1346	-24075	-28394
11376	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1026	-22884	-27050
11377	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1026	-22884	-27050
11378	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	0	0	0
11379	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
11380	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
11381	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
11382	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
11383	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
11384	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
11385	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
11386	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
11387	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
11388	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
11389	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
11390	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
11391	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
11392	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
11393	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
11394	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
11395	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
11396	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
11397	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
11398	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
11399	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
11400	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
11401	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
11402	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
11403	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
11404	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
11405	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
11406	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
11407	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11408	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	0	0	0
11409	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	0	0	0
11410	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	0	0	0
11411	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	0	0	0
11412	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	0	0	0
11413	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	0	0	0
11414	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	0	0	0
11415	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	0	0	0
11416	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	0	0	0
11417	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	985	-13831	-16952
11418	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	985	-13831	-16952
11419	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	985	-13831	-16952
11420	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	985	-13831	-16952
11421	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	985	-13831	-16952
11422	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	985	-13831	-16952
11423	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	697	-11717	-14388
11424	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	697	-11717	-14388
11425	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	0	0	0
11426	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11427	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11428	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11429	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11430	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
11431	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
11432	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
11433	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
11434	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11435	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11436	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11437	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11438	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11439	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11440	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11441	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11442	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11443	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11444	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11445	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11446	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11447	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11448	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11449	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11450	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
11451	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
11452	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
11453	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
11454	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11455	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	0	0	0
11456	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	0	0	0
11457	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	0	0	0
11458	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	0	0	0
11459	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	0	0	0
11460	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	0	0	0
11461	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	0	0	0
11462	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	0	0	0
11463	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	0	0	0
11464	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
11465	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
11466	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
11467	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
11468	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
11469	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
11470	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
11471	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
11472	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	0	0	0
11473	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11474	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11475	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11476	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11477	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11478	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11479	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11480	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11481	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11482	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11483	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11484	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11485	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11486	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11487	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11488	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11489	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11490	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11491	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11492	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11493	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11494	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11495	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11496	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11497	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11498	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11499	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11500	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11501	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11502	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	0	0	0
11503	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	0	0	0
11504	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	0	0	0
11505	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	0	0	0
11506	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	0	0	0
11507	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	0	0	0
11508	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	0	0	0
11509	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	0	0	0
11510	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	0	0	0
11511	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1478	-15589	-19201
11512	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1478	-15589	-19201
11513	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1478	-15589	-19201
11514	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1478	-15589	-19201
11515	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1478	-15589	-19201
11516	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1478	-15589	-19201
11517	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	1046	-13181	-16261
11518	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	1046	-13181	-16261
11519	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	0	0	0
11520	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11521	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11522	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11523	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11524	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11525	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11526	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11527	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11528	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11529	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11530	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11531	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11532	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11533	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11534	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11535	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11536	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11537	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11538	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11539	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11540	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11541	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11542	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11543	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11544	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11545	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11546	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11547	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11548	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11549	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	692	-1063	559
11550	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	692	-1063	559
11551	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	692	-546	1896
11552	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	692	-546	1896
11553	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	692	-1063	559
11554	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	692	-546	1896
11555	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	490	-1049	552
11556	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	490	-540	1928
11557	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	490	-540	1928
11558	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
11559	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
11560	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11561	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11562	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
11563	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11564	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
11565	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11566	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	490	-1049	552
11567	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1383	1080
11568	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1383	1080
11569	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1383	1080
11570	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1383	1080
11571	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-1579	1234
11572	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-1579	1234
11573	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-1579	1234
11574	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-1579	1234
11575	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-908	709
11576	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-908	709
11577	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-908	709
11578	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-908	709
11579	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-413	323
11580	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-413	323
11581	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-413	323
11582	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-413	323
11583	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-527	412
11584	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-527	412
11585	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-527	412
11586	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-527	412
11587	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-421	329
11588	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-421	329
11589	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-421	329
11590	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-421	329
11591	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-400	313
11592	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-400	313
11593	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-400	313
11594	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-400	313
11595	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-339	264

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11596	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	945	-2531	1340
11597	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	945	-2531	1340
11598	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	945	-1144	4298
11599	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	945	-1144	4298
11600	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	945	-2531	1340
11601	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	945	-1144	4298
11602	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	721	-3005	1592
11603	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	721	-1291	4911
11604	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	721	-1291	4911
11605	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	0	0	0
11606	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	0	0	0
11607	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	0	0	0
11608	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	0	0	0
11609	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	0	0	0
11610	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	0	0	0
11611	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	0	0	0
11612	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	0	0	0
11613	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	721	-3005	1592
11614	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-638	499
11615	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-638	499
11616	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-638	499
11617	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-638	499
11618	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-729	569
11619	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-729	569
11620	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-729	569
11621	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-729	569
11622	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-419	327
11623	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-419	327
11624	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-419	327
11625	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-419	327
11626	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-191	149
11627	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-191	149
11628	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-191	149
11629	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-191	149
11630	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-243	190
11631	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-243	190
11632	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-243	190
11633	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-243	190
11634	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-194	152
11635	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-194	152
11636	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-194	152
11637	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-194	152
11638	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-185	144
11639	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-185	144
11640	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-185	144
11641	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-185	144
11642	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-156	122

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11643	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	692	-1372	727
11644	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	692	-1372	727
11645	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	692	-593	2289
11646	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	692	-593	2289
11647	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	692	-1372	727
11648	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	692	-593	2289
11649	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	490	-1529	811
11650	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	490	-701	2740
11651	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	490	-701	2740
11652	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	0	0	0
11653	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	0	0	0
11654	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	0	0	0
11655	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	0	0	0
11656	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	0	0	0
11657	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	0	0	0
11658	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	0	0	0
11659	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	0	0	0
11660	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	490	-1529	811
11661	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11662	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11663	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11664	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11665	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-486	380
11666	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-486	380
11667	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-486	380
11668	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-486	380
11669	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11670	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11671	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11672	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11673	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11674	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11675	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11676	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11677	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11678	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11679	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11680	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11681	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11682	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11683	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11684	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11685	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-123	96
11686	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-123	96
11687	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-123	96
11688	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-123	96
11689	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11690	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	1038	-1313	696
11691	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	1038	-1313	696
11692	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	1038	-608	2348
11693	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	1038	-608	2348
11694	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	1038	-1313	696
11695	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	1038	-608	2348
11696	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	735	-1317	699
11697	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	735	-625	2432
11698	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	735	-625	2432
11699	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	0	0	0
11700	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	0	0	0
11701	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	0	0	0
11702	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	0	0	0
11703	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	0	0	0
11704	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	0	0	0
11705	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	0	0	0
11706	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	0	0	0
11707	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
11708	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11709	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11710	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11711	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11712	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-486	380
11713	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-486	380
11714	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-486	380
11715	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-486	380
11716	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11717	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11718	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11719	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11720	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11721	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11722	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11723	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11724	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11725	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11726	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11727	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11728	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11729	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11730	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11731	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11732	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-123	96
11733	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-123	96
11734	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-123	96
11735	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-123	96
11736	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11737	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2658	-1313	696
11738	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2658	-1313	696
11739	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2658	-608	2348
11740	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2658	-608	2348
11741	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2658	-1313	696
11742	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2658	-608	2348
11743	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	2355	-1317	699
11744	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	2355	-625	2432
11745	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	2355	-625	2432
11746	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	0	0	0
11747	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	0	0	0
11748	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	0	0	0
11749	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	0	0	0
11750	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	0	0	0
11751	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	0	0	0
11752	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	0	0	0
11753	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	0	0	0
11754	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	735	-1317	699
11755	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-425	332
11756	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-425	332
11757	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-425	332
11758	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-425	332
11759	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-486	380
11760	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-486	380
11761	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-486	380
11762	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-486	380
11763	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-279	218
11764	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-279	218
11765	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-279	218
11766	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-279	218
11767	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-127	99
11768	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-127	99
11769	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-127	99
11770	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-127	99
11771	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-162	127
11772	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-162	127
11773	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-162	127
11774	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-162	127
11775	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-129	101
11776	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-129	101
11777	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-129	101
11778	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-129	101
11779	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-123	96
11780	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-123	96
11781	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-123	96
11782	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-123	96
11783	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-104	81

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11784	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1A	602	-925	484
11785	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2A	602	-925	484
11786	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3A	602	-503	1642
11787	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4A	602	-503	1642
11788	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1A	602	-925	484
11789	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2A	602	-503	1642
11790	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1A	426	-913	479
11791	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2A	426	-492	1671
11792	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1A	426	-492	1671
11793	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F1B	857	-12428	-12775
11794	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F2B	857	-12428	-12775
11795	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F3B	857	-12428	-12775
11796	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C1F4B	857	-12428	-12775
11797	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F1B	857	-12428	-12775
11798	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	C2F2B	857	-12428	-12775
11799	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F1B	606	-10460	-10849
11800	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E1F2B	606	-10460	-10849
11801	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	E2F1B	426	-913	479
11802	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5S	0	-1772	1385
11803	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5X	0	-1772	1385
11804	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5XY	0	-1772	1385
11805	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd5Y	0	-1772	1385
11806	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CP	0	-2024	1582
11807	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CX	0	-2024	1582
11808	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CXY	0	-2024	1582
11809	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CY	0	-2024	1582
11810	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10S	0	-1164	909
11811	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10X	0	-1164	909
11812	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10XY	0	-1164	909
11813	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd10Y	0	-1164	909
11814	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1P	0	-529	414
11815	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1X	0	-529	414
11816	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-529	414
11817	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-529	414
11818	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12S	0	-676	528
11819	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12X	0	-676	528
11820	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12XY	0	-676	528
11821	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	Sd12Y	0	-676	528
11822	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1P	0	-539	421
11823	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1X	0	-539	421
11824	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-539	421
11825	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-539	421
11826	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DP	0	-513	401
11827	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DX	0	-513	401
11828	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DXY	0	-513	401
11829	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	DY	0	-513	401
11830	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	TopP	0	-434	339

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11831	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1A	1347	-2201	1165
11832	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2A	1347	-2201	1165
11833	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3A	1347	-992	3738
11834	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4A	1347	-992	3738
11835	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1A	1347	-2201	1165
11836	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2A	1347	-992	3738
11837	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1A	1105	-2613	1384
11838	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2A	1105	-1121	4271
11839	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1A	1105	-1121	4271
11840	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F1B	1917	-20892	-24724
11841	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F2B	1917	-20892	-24724
11842	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F3B	1917	-20892	-24724
11843	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C1F4B	1917	-20892	-24724
11844	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F1B	1917	-20892	-24724
11845	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	C2F2B	1917	-20892	-24724
11846	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F1B	1573	-19860	-23553
11847	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E1F2B	1573	-19860	-23553
11848	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	E2F1B	1105	-2613	1384
11849	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5S	0	-532	415
11850	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5X	0	-532	415
11851	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5XY	0	-532	415
11852	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd5Y	0	-532	415
11853	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CP	0	-607	474
11854	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CX	0	-607	474
11855	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CXY	0	-607	474
11856	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CY	0	-607	474
11857	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10S	0	-349	273
11858	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10X	0	-349	273
11859	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10XY	0	-349	273
11860	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd10Y	0	-349	273
11861	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1P	0	-159	124
11862	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1X	0	-159	124
11863	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1XY	0	-159	124
11864	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA2.1Y	0	-159	124
11865	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12S	0	-203	158
11866	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12X	0	-203	158
11867	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12XY	0	-203	158
11868	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	Sd12Y	0	-203	158
11869	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1P	0	-162	126
11870	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1X	0	-162	126
11871	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1XY	0	-162	126
11872	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	CA1.1Y	0	-162	126
11873	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DP	0	-154	120
11874	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DX	0	-154	120
11875	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DXY	0	-154	120
11876	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	DY	0	-154	120
11877	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	TopP	0	-130	102

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11878	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1A	602	-1193	633
11879	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2A	602	-1193	633
11880	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3A	602	-515	1990
11881	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4A	602	-515	1990
11882	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1A	602	-1193	633
11883	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2A	602	-515	1990
11884	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1A	426	-1329	706
11885	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2A	426	-609	2383
11886	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1A	426	-609	2383
11887	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F1B	857	-12014	-14751
11888	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F2B	857	-12014	-14751
11889	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F3B	857	-12014	-14751
11890	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C1F4B	857	-12014	-14751
11891	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F1B	857	-12014	-14751
11892	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	C2F2B	857	-12014	-14751
11893	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F1B	606	-10178	-12519
11894	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E1F2B	606	-10178	-12519
11895	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	E2F1B	426	-1329	706
11896	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5S	0	-354	277
11897	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5X	0	-354	277
11898	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5XY	0	-354	277
11899	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd5Y	0	-354	277
11900	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CP	0	-405	316
11901	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CX	0	-405	316
11902	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CXY	0	-405	316
11903	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CY	0	-405	316
11904	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10S	0	-233	182
11905	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10X	0	-233	182
11906	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10XY	0	-233	182
11907	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd10Y	0	-233	182
11908	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1P	0	-106	83
11909	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1X	0	-106	83
11910	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1XY	0	-106	83
11911	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA2.1Y	0	-106	83
11912	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12S	0	-135	106
11913	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12X	0	-135	106
11914	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12XY	0	-135	106
11915	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	Sd12Y	0	-135	106
11916	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1P	0	-108	84
11917	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1X	0	-108	84
11918	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1XY	0	-108	84
11919	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	CA1.1Y	0	-108	84
11920	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DP	0	-103	80
11921	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DX	0	-103	80
11922	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DXY	0	-103	80
11923	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	DY	0	-103	80
11924	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11925	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1A	903	-1142	606
11926	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2A	903	-1142	606
11927	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3A	903	-528	2042
11928	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4A	903	-528	2042
11929	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1A	903	-1142	606
11930	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2A	903	-528	2042
11931	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1A	639	-1146	608
11932	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2A	639	-543	2115
11933	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1A	639	-543	2115
11934	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F1B	1285	-13543	-16707
11935	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F2B	1285	-13543	-16707
11936	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F3B	1285	-13543	-16707
11937	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C1F4B	1285	-13543	-16707
11938	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F1B	1285	-13543	-16707
11939	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	C2F2B	1285	-13543	-16707
11940	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F1B	910	-11451	-14148
11941	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E1F2B	910	-11451	-14148
11942	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	E2F1B	639	-1146	608
11943	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5S	0	-354	277
11944	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5X	0	-354	277
11945	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5XY	0	-354	277
11946	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd5Y	0	-354	277
11947	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CP	0	-405	316
11948	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CX	0	-405	316
11949	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CXY	0	-405	316
11950	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CY	0	-405	316
11951	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10S	0	-233	182
11952	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10X	0	-233	182
11953	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10XY	0	-233	182
11954	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd10Y	0	-233	182
11955	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1P	0	-106	83
11956	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1X	0	-106	83
11957	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1XY	0	-106	83
11958	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA2.1Y	0	-106	83
11959	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12S	0	-135	106
11960	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12X	0	-135	106
11961	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12XY	0	-135	106
11962	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	Sd12Y	0	-135	106
11963	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1P	0	-108	84
11964	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1X	0	-108	84
11965	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1XY	0	-108	84
11966	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	CA1.1Y	0	-108	84
11967	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DP	0	-103	80
11968	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DX	0	-103	80
11969	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DXY	0	-103	80
11970	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	DY	0	-103	80
11971	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
11972	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1A	2253	-1142	606
11973	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2A	2253	-1142	606
11974	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3A	2253	-528	2042
11975	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4A	2253	-528	2042
11976	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1A	2253	-1142	606
11977	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2A	2253	-528	2042
11978	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1A	1989	-1146	608
11979	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2A	1989	-543	2115
11980	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1A	1989	-543	2115
11981	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F1B	1285	-13543	-16707
11982	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F2B	1285	-13543	-16707
11983	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F3B	1285	-13543	-16707
11984	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C1F4B	1285	-13543	-16707
11985	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F1B	1285	-13543	-16707
11986	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	C2F2B	1285	-13543	-16707
11987	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F1B	910	-11451	-14148
11988	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E1F2B	910	-11451	-14148
11989	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	E2F1B	639	-1146	608
11990	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5S	0	-354	277
11991	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5X	0	-354	277
11992	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5XY	0	-354	277
11993	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd5Y	0	-354	277
11994	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CP	0	-405	316
11995	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CX	0	-405	316
11996	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CXY	0	-405	316
11997	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CY	0	-405	316
11998	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10S	0	-233	182
11999	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10X	0	-233	182
12000	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10XY	0	-233	182
12001	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd10Y	0	-233	182
12002	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1P	0	-106	83
12003	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1X	0	-106	83
12004	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1XY	0	-106	83
12005	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA2.1Y	0	-106	83
12006	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12S	0	-135	106
12007	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12X	0	-135	106
12008	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12XY	0	-135	106
12009	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	Sd12Y	0	-135	106
12010	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1P	0	-108	84
12011	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1X	0	-108	84
12012	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1XY	0	-108	84
12013	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	CA1.1Y	0	-108	84
12014	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DP	0	-103	80
12015	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DX	0	-103	80
12016	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DXY	0	-103	80
12017	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	DY	0	-103	80
12018	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	TopP	0	-87	68

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
12019	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F1A	669	-10880	468
12020	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F2A	669	-10880	468
12021	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F3A	669	-10241	968
12022	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F4A	669	-10241	968
12023	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F1A	669	-10880	468
12024	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F2A	669	-10241	968
12025	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F1A	473	-863	459
12026	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F2A	473	-240	963
12027	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E2F1A	473	-240	963
12028	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F1B	952	-14643	-5943
12029	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F2B	952	-14643	-5943
12030	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F3B	952	-14643	-5943
12031	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C1F4B	952	-14643	-5943
12032	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F1B	952	-14643	-5943
12033	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	C2F2B	952	-14643	-5943
12034	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F1B	674	-3701	-4737
12035	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E1F2B	674	-3701	-4737
12036	LC282_EDS_Shortcurrent_Dir=NA_Transversal_-10kN	E2F1B	473	-863	459

Row #	Load Case	Joint Label	Vertical Load (N)	Transverse Load (N)	Longitudinal Load (N)
12037	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F1A	669	9120	468
12038	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F2A	669	9120	468
12039	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F3A	669	9120	968
12040	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F4A	669	9759	968
12041	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F1A	669	9120	468
12042	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F2A	669	9759	968
12043	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F1A	473	-863	459
12044	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F2A	473	-240	963
12045	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E2F1A	473	-240	963
12046	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F1B	952	5357	-5943
12047	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F2B	952	5357	-5943
12048	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F3B	952	5357	-5943
12049	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C1F4B	952	5357	-5943
12050	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F1B	952	5357	-5943
12051	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	C2F2B	952	5357	-5943
12052	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F1B	674	-3701	-4737
12053	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E1F2B	674	-3701	-4737
12054	LC283_EDS_Shortcurrent_Dir=NA_Transversal_10kN	E2F1B	473	-863	459

BIJLAGEN B: BEREKENINGSRESULTATEN PLS

BIJLAGE B1: BEREKENINGSRESULTATEN AFKEURSNIVEAU

Row #	Section Label	Joint Defining Section Bottom	Dead Load Adjust. Factor	Transverse Drag x Area Factor For Face	Longitudinal Drag x Area Factor For Face	Transverse Area Factor (CD From Code)	Longitudinal Area Factor (CD From Code)	Af Flat Factor For Face EIA Only	Ar Round Factor For Face EIA Only	Transverse Drag x Area Factor For All	Longitudinal Drag x Area Factor For All	SAPS Angle Drag x Area Factor	SAPS Round Drag x Area Factor	Adjustment Type
1	S8	DP	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
2	S7	CA1.1P	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
3	S6	Sd12S	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
4	S5	CA2.2P	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
5	S4	Sd10S	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
6	S3	CP	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
7	S2	Sd5S	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
8	S1	AP	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None

Row #	Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (MPa)	Max Usage %	Usage Cont- rol	Max Use In Comp. %	Comp. Control Member	Comp. Force (kN)	Comp. Control Load Case	L/r Capacity (kN)	Comp. Connect. Shear Capacity (kN)	Comp. Connect. Bearing Capacity (kN)	RLX	RLY	RLZ	L/r	KL/r	Length Comp. Member (m)	Curve No.	No. Of Bolts Comp.	Bolt Type Comp.	Max Use In Tens. %	Tension Control Member	Tension Force (kN)	Tension Control Load Case	Net Section Capacity (kN)	Tension Connect. Shear Capacity (kN)	Tension Connect. Bearing Capacity (kN)	Tension Connect. Rupture Capacity (kN)	Length Tens. Member (m)	No. Of Bolts Tens.	Bolt Type Tens.	No. Of Holes	Hole Diameter (cm)
1	L1	Leg 160*15	SAE	160*160*15	235	163	Comp	163	Leg1.6XY	-747.244	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	925.86	458.432	1296	1	1	1	57.3	0.56	1.793	1	8	M20&4.6_M	155.06	Leg1.6P	710.83	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	1026.691	458.432	1296	0	1.793	8	M20&4.6_M	2	2.15
2	L2	Leg 130*14	SAE	130*130*14	235	147.34	Comp	147.34	Leg2.1XY	-675.434	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	645.58	458.432	1209.6	1	1	1	66.8	0.66	1.69	1	8	M20&4.6_M	139.99	Leg2.1P	641.781	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	725.242	458.432	1209.6	0	1.69	8	M20&4.6_M	2	2.15
3	L3	Leg 90*11	SAE	90*90*11	235	94.11	Comp	94.11	Leg3.1XY	-274.656	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	319.673	291.84	522.72	1	1	1	81.1	0.8	1.395	1	4	M22&4.6	88.21	Leg3.1P	257.445	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	348.365	291.84	522.72	0	1.395	4	M22&4.6	2	2.4
4	L4	Leg 60*6	SAE	60*60*6	235	25.42	Comp	25.42	Leg3.9X	-15.951	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	62.746	77.28	103.68	1	1	1	135.86	1.39	1.59	8	2	M16&4.6	19.14	Leg3.9Y	14.794	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	80.389	77.28	103.68	0	1.59	2	M16&4.6	1	1.75
5	UNP120(B)	UNP 120 Beam	UNP_TRUE	120	235	151.07	Tens	150.19	CA1.11Y	-86.066	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	186.009	57.304	75.6	1	1.31	1	93.11	1.1	1.13	5	1	M20&4.6_M	151.07	CA1.11X	86.572	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	446.256	57.304	75.6	0	1.13	1	M20&4.6_M	1	2.15
6	HEA120(T)	HE 120 Truss	HE_TRUE	120	235	18.33	Tens	0.1	CA3.14X	-0.152	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	486.56	154.56	172.8	1	1	1	22.19	0.51	0.67	8	4	M16&4.6	18.33	CA2.10X	28.329	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	353.931	154.56	172.8	0	0.51	4	M16&4.6	2	1.75
7	CD_EL_45*5	Crossing_Diagonal_Equal_L_45*5	SAE	45*45*5	235	18.56	Tens	15.53	Bracing18.1XY	-6	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	51.214	38.64	43.2	0.53	0.53	0.53	74	0.94	1.211	7	1	M16&4.6	18.56	Bracing18.1P	7.171	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	98.64	38.64	43.2	0	1.211	1	M16&4.6	1	1.75
8	CD_EL_50*5	Crossing_Diagonal_Equal_L_50*5	SAE	50*50*5	235	91.32	Tens	87.93	Bracing15.1X	-33.976	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	52.06	38.64	43.2	0.53	0.53	0.53	89.28	1.03	1.634	7	1	M16&4.6	91.32	Bracing15.1P	35.286	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	113.04	38.64	43.2	0	1.634	1	M16&4.6	1	1.75
9	CD_EL_50*6	Crossing_Diagonal_Equal_L_50*6	SAE	50*50*6	235	111.75	Tens	106	Bracing17.1X	-40.957	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	67.958	38.64	51.84	0.53	0.53	0.53	73.34	0.94	1.337	7	1	M16&4.6	111.75	Bracing17.1P	43.181	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	133.718	38.64	51.84	0	1.337	1	M16&4.6	1	1.75
10	CD_EL_55*6	Crossing_Diagonal_Equal_L_55*6	SAE	55*55*6	235	101.84	Comp	101.84	Bracing16.1X	-39.351	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	75.872	38.64	51.84	0.53	0.53	0.53	72.17	0.93	1.443	7	1	M16&4.6	97.61	Bracing16.1P	37.718	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	151.2	38.64	51.84	0	1.443	1	M16&4.6	1	1.75
11	CD_EL_75*8	Crossing_Diagonal_Equal_L_75*8	SAE	75*75*8	235	77.9	Tens	75.94	Bracing8.1X	-87.036	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	139.343	114.608	172.8	0.52	0.52	0.52	102.05	1.13	2.865	8	2	M20&4.6_M	77.9	Bracing8.1P	89.282	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	137.505	114.608	172.8	0	2.865	2	M20&4.6_M	1	2.15
12	CD_EL_80*8	Crossing_Diagonal_Equal_L_80*8	SAE	80*80*8	235	49.46	Comp	49.46	Bracing2.1X	-53.776	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	108.727	114.608	172.8	0.52	0.52	0.52	138.92	1.41	4.168	8	2	M20&4.6_M	45.55	Bracing2.1P	52.203	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	149.094	114.608	172.8	0	4.168	2	M20&4.6_M	1	2.15
13	Other_EL45*5	Other_Element_Equal_L_45*5	SAE	45*45*5	235	114.18	Comp	114.18	CA3.3XY	-30.966	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	27.12	38.64	43.2	1	1	1	153	1.52	1.327	7	1	M16&4.6	80.33	CA3.3X	31.039	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	98.64	38.64	43.2	0	1.327	1	M16&4.6	1	1.75
14	Other_EL50*5	Other_Element_Equal_L_50*5	SAE	50*50*5	235	69.77	Tens	46.01	CA3.19P	-11.585	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	25.181	38.64	43.2	1	1	1	176.29	1.7	1.71	7	1	M16&4.6	69.77	CA3.20Y	26.958	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	113.04	38.64	43.2	0	1.71	1	M16&4.6	1	1.75
15	Other_EL55*6	Other_Element_Equal_L_55*6	SAE	55*55*6	235	66.05	Comp	66.05	CA1.5X	-25.522	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	46.978	38.64	51.84	1	1	1	132.95	1.37	1.409	7	1	M16&4.6	59.29	CA1.7X	33.975	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	144.288	57.304	64.8	0	1.262	1	M20&4.6_M	1	2.15
16	Ot_UL65*50*7	Other_Element_Unequal_L_65*50*7	SAE	65*50*7	235	81.18	Comp	81.18	CA1.9X	-46.517	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	70.183	57.304	75.6	1	1	1	106.78	1.18	1.132	7	1	M20&4.6_M	17.52	CA1.9P	10.039	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	175.536	57.304	75.6	0	1.132	1	M20&4.6_M	1	2.15
17	Ot_UL75*50*7	Other_Element_Unequal_L_75*50*7	SAE	75*50*7	235	67.79	Tens	48.26	CA2.5X	-18.648	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	43.515	38.64	60.48	1	1	1	176.53	1.7	1.907	7	1	M16&4.6	67.79	CA2.7X	26.195	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	204.048	38.64	60.48	0	1.482	1	M16&4.6	1	1.75
18	Other_EL65*7	Other_Element_Equal_L_65*7	SAE	65*65*7	235	65.93	Comp	65.93	CA2.9X	-48.099	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	82.119	72.96	83.16	1	1	1	105.6	1.16	1.331	7	1	M22&4.6	49.37	CA3.11X	29.778	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	207.13	60.32	75.6	0	1.671	1	M20&4.6	1	2.15
19	Other_EL70*7	Other_Element_Equal_L_70*7	SAE	70*70*7	235	64.81	Tens	13.39	CA3.7P	-8.811	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	65.791	72.96	83.16	1	1	1	140.4	1.42	1.909	7	1	M22&4.6	64.81	CA3.7X	47.286	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	222.25	72.96	83.16	0	1.909	1	M22&4.6	1	2.4
20	Other_EL75*7	Other_Element_Equal_L_75*7	SAE	75*75*7	235	71.95	Comp	71.95	CA3.5X	-41.229	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	66.039	57.304	75.6	1	1	1	148.61	1.49	2.17	7	1	M20&4.6_M	12.78	CA3.5P	7.324	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	247.536	57.304	75.6	0	2.17	1	M20&4.6_M	1	2.15

Row #	Member Label	Group Label	Symmetry Code	Origin Join	End Joint	Ecc. Code	Rest. Code	Ratio RLX	Ratio RLY	Ratio RLZ	Bolt Type	# Bolts	# Bolt Hole	# Shear Pla	Connect Leg	Short Edge Dist. (cm)	Long Edge Dist. (cm)	End Dist. (cm)	Bolt Spacing (cm)	Shear Path Length (cm)	Tension Path Length (cm)	Rest. Coef.
1	Leg1.1	L1	XY-Symmetry	AP	Sd1S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
2	Leg1.2	L1	XY-Symmetry	Sd1S	Sd2S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
3	Leg1.3	L1	XY-Symmetry	Sd2S	Sd3S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
4	Leg1.4	L1	XY-Symmetry	Sd3S	Sd4S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
5	Leg1.5	L1	XY-Symmetry	Sd4S	Sd5S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
6	Leg1.6	L1	XY-Symmetry	Sd5S	Sd6S	1	6	1	1	1	M20&4.6_M	8	2	1	Both	4.5	10	4	8	0	0	0
7	Leg2.2	L2	XY-Symmetry	Sd7S	Sd8S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
8	Leg2.3	L2	XY-Symmetry	Sd8S	Sd9S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
9	Leg2.4	L2	XY-Symmetry	Sd9S	CP	1	6	1	1	1	M22&4.6	8	2	1	Both	4	0	4	9	0	0	0
10	Leg3.1	L3	XY-Symmetry	CP	Sd10S	1	6	1	1	1	M22&4.6	4	2	1	Both	4	0	4	8	0	0	0
11	Leg3.2	L3	XY-Symmetry	Sd10S	Sd11S	1	4	1	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
12	Leg3.3	L3	XY-Symmetry	Sd11S	CA2.1P	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
13	Leg3.6	L3	XY-Symmetry	Sd13S	Sd14S	1	4	1	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
14	Leg3.7	L3	XY-Symmetry	Sd14S	CA1.1P	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
15	Leg3.8	L3	XY-Symmetry	CA1.1P	DP	1	6	1	1	1	M16&4.6	4	2.46	1	Both	3	0	2	8	0	0	0
16	Leg3.9	L4	XY-Symmetry	DP	TopP	3	8	1	1	1	M16&4.6	2	1	1	Long only	2.5	0	3	5.5	0	0	0
17	Bracing1.1	CD_EL_80*8	XY-Symmetry	AP	Sd1X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
18	Bracing1.2	CD_EL_80*8	XY-Symmetry	AP	Sd1Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
19	Bracing2.1	CD_EL_80*8	XY-Symmetry	Sd1S	Sd2X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
20	Bracing2.2	CD_EL_80*8	XY-Symmetry	Sd1S	Sd2Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
21	Bracing3.1	CD_EL_75*8	XY-Symmetry	Sd2S	Sd3X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
22	Bracing3.2	CD_EL_75*8	XY-Symmetry	Sd2S	Sd3Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
23	Bracing4.1	CD_EL_75*8	XY-Symmetry	Sd3S	Sd4X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
24	Bracing4.2	CD_EL_75*8	XY-Symmetry	Sd3S	Sd4Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
25	Bracing5.1	CD_EL_75*8	XY-Symmetry	Sd4S	Sd5X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
26	Bracing5.2	CD_EL_75*8	XY-Symmetry	Sd4S	Sd5Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
27	Bracing6.1	CD_EL_75*8	XY-Symmetry	Sd5S	Sd6X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
28	Bracing6.2	CD_EL_75*8	XY-Symmetry	Sd5S	Sd6Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
29	Bracing7.1	CD_EL_75*8	XY-Symmetry	Sd6S	Sd7X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
30	Bracing7.2	CD_EL_75*8	XY-Symmetry	Sd6S	Sd7Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
31	Bracing8.1	CD_EL_75*8	XY-Symmetry	Sd7S	Sd8X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
32	Bracing8.2	CD_EL_75*8	XY-Symmetry	Sd7S	Sd8Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
33	Bracing9.1	CD_EL_75*8	XY-Symmetry	Sd8S	Sd9X	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
34	Bracing9.2	CD_EL_75*8	XY-Symmetry	Sd8S	Sd9Y	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
35	Bracing10.1	CD_EL_75*8	XY-Symmetry	Sd9S	CX	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
36	Bracing10.2	CD_EL_75*8	XY-Symmetry	Sd9S	CY	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
37	Bracing11.1	CD_EL_55*6	XY-Symmetry	CP	Sd10X	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
38	Bracing11.2	CD_EL_55*6	XY-Symmetry	CP	Sd10Y	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
39	Bracing12.1	CD_EL_55*6	XY-Symmetry	Sd10S	Sd11X	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
40	Bracing12.2	CD_EL_55*6	XY-Symmetry	Sd10S	Sd11Y	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
41	Bracing13.1	CD_EL_55*6	XY-Symmetry	Sd11S	CA2.1X	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
42	Bracing13.2	CD_EL_55*6	XY-Symmetry	Sd11S	CA2.1Y	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
43	Bracing14.1	CD_EL_50*5	XY-Symmetry	CA2.1P	Sd12X	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
44	Bracing14.2	CD_EL_50*5	XY-Symmetry	CA2.1P	Sd12Y	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
45	Bracing15.1	CD_EL_50*5	XY-Symmetry	Sd12S	Sd13X	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3.1	0	0	0	0
46	Bracing15.2	CD_EL_50*5	XY-Symmetry	Sd12S	Sd13Y	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3.1	0	0	0	0
47	Bracing16.1	CD_EL_55*6	XY-Symmetry	Sd13S	Sd14X	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
48	Bracing16.2	CD_EL_55*6	XY-Symmetry	Sd13S	Sd14Y	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
49	Bracing17.1	CD_EL_50*6	XY-Symmetry	Sd14S	CA1.1X	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3.1	0	0	0	0
50	Bracing17.2	CD_EL_50*6	XY-Symmetry	Sd14S	CA1.1Y	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3.1	0	0	0	0
51	Bracing18.1	CD_EL_45*5	XY-Symmetry	CA1.1P	DX	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	2.9	0	0	0	0
52	Bracing18.2	CD_EL_45*5	XY-Symmetry	CA1.1P	DY	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	2.9	0	0	0	0
53	CA3.1.2	UNP120(B)	XY-Symmetry	CP	SdCA3.1S	3	6	2.023	1	1	M22&4.6	3	2	1	Long only	6	0	3	10	0	0	0
54	CA3.1.3	UNP120(B)	XY-Symmetry	SdCA3.1S	SdCA3.2S	3	4	1.978	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
55	CA3.1.5	UNP120(B)	XY-Symmetry	SdCA3.2S	SdCA3.3S	3	4	2.714	1	1	M20&4.6_M	0	1	0	Continuous	0	0	0	0	0	0	0
56	CA3.1.6	UNP120(B)	XY-Symmetry	SdCA3.3S	SdCA3.4S	3	4	3.129	1	1	M16&4.6	0	1	0	Continuous	0	0	0	0	0	0	0

57	CA3.1.7	UNP120(B)	XY-Symmetry	SdCA3.4S	CA3.2P	3	6	3.206	1	1	M16&4.6	6	2	1	Short only	2.5	0	3	4	0	0	0
58	CA3.14	HEA120(T)	X-Symmetry	CA3.2P	CA3.2Y	1	8	1	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
59	CA3.13	Other_EL65*7	X-Symmetry	CA3.2P	SdCA3.4Y	3	7	1	1	1	M22&4.6	1	1	1	Short only	3	0	4	0	0	0	0
60	CA3.12	Other_EL45*5	X-Symmetry	SdCA3.4Y	SdCA3.4S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
61	CA3.11	Other_EL65*7	X-Symmetry	SdCA3.4Y	SdCA3.3S	3	7	1	1	1	M20&4.6	1	1	1	Short only	3	0	3.5	0	0	0	0
62	CA3.10	Other_EL45*5	X-Symmetry	SdCA3.3S	SdCA3.3Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
63	CA3.9	Other_EL65*7	X-Symmetry	SdCA3.3S	SdCA3.2Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	3	0	3	0	0	0	0
64	CA3.8	HEA120(T)	XY-Symmetry	SdCA3.6S	SdCA3.2S	3	6	2	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
65	CA3.7	Other_EL70*7	X-Symmetry	SdCA3.2Y	SdCA3.1S	3	7	1	1	1	M22&4.6	1	1	1	Short only	3	0	4	0	0	0	0
66	CA3.6	Other_EL45*5	X-Symmetry	SdCA3.1S	SdCA3.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
67	CA3.5	Other_EL75*7	X-Symmetry	SdCA3.1S	CY	3	7	1	1	1	M20&4.6_M	1	1	1	Short only	3.5	0	3.5	0	0	0	0
68	CA2.1.2	UNP120(B)	XY-Symmetry	CA2.1P	SdCA2.1S	3	6	1	1.49	1	M20&4.6_M	2	2	1	Long only	6	0	3	14	0	0	0
69	CA2.1.3	UNP120(B)	XY-Symmetry	SdCA2.1S	SdCA2.2S	3	4	1.927	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
70	CA2.1.4	UNP120(B)	XY-Symmetry	SdCA2.2S	CA2.2P	3	6	2.078	1	1	M16&4.6	6	2	1	Short only	2	0	2.5	4	0	0	0
71	CA2.10	HEA120(T)	X-Symmetry	CA2.2P	CA2.2Y	1	8	1	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
72	CA2.9	Other_EL65*7	X-Symmetry	CA2.2P	SdCA2.2Y	3	7	1	1	1	M22&4.6	1	1	1	Long only	3	0	4	0	0	0	0
73	CA2.8	Other_EL45*5	X-Symmetry	SdCA2.2Y	SdCA2.2S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
74	CA2.7	Ot_UL75*50*7	X-Symmetry	SdCA2.2Y	SdCA2.1S	3	7	1	1	1	M16&4.6	1	1	1	Long only	3.5	0	3	0	0	0	0
75	CA2.6	Other_EL45*5	X-Symmetry	SdCA2.1S	SdCA2.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
76	CA2.5	Ot_UL75*50*7	X-Symmetry	SdCA2.1S	CA2.1Y	3	7	1	1	1	M16&4.6	1	1	1	Long only	3.5	0	3	0	0	0	0
77	CA1.11	UNP120(B)	XY-Symmetry	CA1.1P	SdCA1.1S	3	5	1	1.31	1	M20&4.6_M	1	1	1	Long only	6	0	3	0	0	0	0
78	CA1.1.3	UNP120(B)	XY-Symmetry	SdCA1.1.S	SdCA1.2S	3	4	2.391	1.488	1	M20&4.6_M	0	1	0	Continuous	0	0	0	0	0	0	0
79	CA1.1.4	UNP120(B)	XY-Symmetry	SdCA1.2S	CA1.2P	3	6	1.719	1	1	M16&4.6	6	2.458	1	Short only	2.5	0	3	6	0	0	0
80	CA1.10	HEA120(T)	X-Symmetry	CA1.2P	CA1.2Y	1	8	1	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
81	CA1.9	Ot_UL65*50*7	X-Symmetry	CA1.2P	SdCA1.2Y	3	7	1	1	1	M20&4.6_M	1	1	1	Long only	3	0	3.5	0	0	0	0
82	CA1.8	Other_EL45*5	X-Symmetry	SdCA1.2Y	SdCA1.2S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
83	CA1.7	Other_EL55*6	X-Symmetry	SdCA1.2Y	SdCA1.1S	3	7	1	1	1	M20&4.6_M	1	1	1	Short only	2.5	0	3.5	0	0	0	0
84	CA1.6	Other_EL45*5	X-Symmetry	SdCA1.1S	SdCA1.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
85	CA1.5	Other_EL55*6	X-Symmetry	SdCA1.1S	CA1.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2.5	0	3	0	0	0	0
86	CA3.16.1	Other_EL55*6	XY-Symmetry	Sd10XY	SdCA3.5XY	3	6	1	2.655	1	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
87	CA3.16.2	Other_EL55*6	XY-Symmetry	SdCA3.5XY	CA3.2XY	3	6	1	1.604	1	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
88	CA3.17	Other_EL45*5	XY-Symmetry	SdCA3.2XY	SdCA3.5XY	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
89	CA3.15	Other_EL55*6	XY-Symmetry	SdCA3.2XY	Sd10XY	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
90	CA3.18	Other_EL45*5	XY-Symmetry	SdCA3.6S	SdCA3.5S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
91	CA2.12.1	Other_EL50*5	XY-Symmetry	Sd12S	SdCA2.3S	3	6	1	2.529	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
92	CA2.12.2	Other_EL50*5	XY-Symmetry	SdCA2.3S	CA2.2P	3	6	1	1.654	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
93	CA2.13	Other_EL45*5	XY-Symmetry	SdCA2.1S	SdCA2.3S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
94	CA1.12.1	Other_EL50*5	XY-Symmetry	DP	SdCA1.3S	3	6	1	2.11	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
95	CA1.12.2	Other_EL50*5	XY-Symmetry	SdCA1.3S	CA1.2P	3	6	1	1.903	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
96	CA1.14	Other_EL45*5	XY-Symmetry	SdCA1.3S	SdCA1.1.S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
97	CA1.1.1	UNP120(B)	XY-Symmetry	CA1.1P	SdCA1.4S	3	5	2	1	1	M20&4.6_M	1	1	1	Long only	6	0	3.5	0	0	0	0
98	CA1.1.2	UNP120(B)	XY-Symmetry	CA1.1P	SdCA1.5S	3	5	2	1	1	M20&4.6_M	1	1.63	1	Long only	6	0	3	0	0	0	0
99	CA1.15	Other_EL45*5	X-Symmetry	DP	DY	3	8	1	1	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
100	CA1.16	Other_EL45*5	Y-Symmetry	DP	DX	3	8	1	1	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
101	CA1.3	Other_EL45*5	XY-Symmetry	SdCA1.4S	SdCA1.5S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
102	CA2.1.1	UNP120(B)	XY-Symmetry	CA2.1P	SdCA2.4S	3	6	2	1	1	M20&4.6_M	2	2	1	Long only	6	0	3.5	14	0	0	0
103	CA2.2	UNP120(B)	XY-Symmetry	CA2.1P	SdCA2.5S	3	6	2	1	1	M20&4.6_M	2	1.63	1	Long only	6	0	3	14	0	0	0
104	CA2.3	Other_EL45*5	XY-Symmetry	SdCA2.4S	SdCA2.5S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
105	CA2.14	Other_EL45*5	X-Symmetry	Sd12S	Sd12Y	3	7	1	1	1	M16&4.6	1	1	2	Short only	2	0	2.7	0	0	0	0
106	CA3.1.1	UNP120(B)	XY-Symmetry	CP	SdCA3.7S	3	6	2	1	1	M22&4.6	3	1.5	1	Long only	6	0	3	10	0	0	0
107	CA3.2	UNP120(B)	XY-Symmetry	CP	SdCA3.8S	3	6	2	1	1	M22&4.6	3	1.46	1	Long only	6	0	3	10	0	0	0
108	CA3.3	Other_EL45*5	XY-Symmetry	SdCA3.8S	SdCA3.7S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
109	CA3.19	Other_EL50*5	X-Symmetry	Sd10S	Sd10Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
110	CA3.20	Other_EL50*5	Y-Symmetry	Sd10S	Sd10X	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
111	CA1.13	Other_EL45*5	XY-Symmetry	DP	SdCA1.1.S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
112	CA2.15	Other_EL45*5	Y-Symmetry	Sd12S	Sd12X	3	7	1	1	1	M16&4.6	1	1	2	Short only	2	0	2.7	0	0	0	0
113	CA2.11	Other_EL45*5	XY-Symmetry	SdCA2.1S	Sd12S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0

114	Leg3.5	L3	XY-Symmetry	Sd13S	Sd12S	1	4	1	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
115	Leg3.4	L3	XY-Symmetry	Sd12S	CA2.1P	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
116	CA3.4	Other_EL45*5	None	SdCA3.7X	SdCA3.7S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
117	CA2.4	Other_EL45*5	None	SdCA2.4X	SdCA2.4S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
118	CA1.4	Other_EL45*5	None	SdCA1.4X	SdCA1.4S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
119	Leg2.1	L2	XY-Symmetry	Sd6S	Sd7S	1	6	1	1	1	M20&4.6_M	8	2	1	Both	4	8	4	8	0	0	0
120	BRACING5-6	CD_EL_50*5	X-Symmetry	Sd5S	Sd5XY	3	7	0.5	0.75	0.5	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
121	BRACINGD-T	CD_EL_45*5	X-Symmetry	DX	DY	3	7	0.5	0.75	0.5	M16&4.6	1	1	1	Short only	2	0	2.9	0	0	0	0
122	CA1.1.5	UNP120(B)	XY-Symmetry	SdCA1.1S	SdCA1.1.S	3	4	4.276	3.05	1	M20&4.6_M	0	1	0	Continuous	0	0	0	0	0	0	0

Row #	Group Label	Group Description	Angle Type	Angle Size	Material Type	Element Type	Group Type	Optimize Group	Allow. Add. Angle Width For Optimize (cm)
1	L1	Leg 160*15	SAE	160*160*15	S235	Beam	Leg	None	0
2	L2	Leg 130*14	SAE	130*130*14	S235	Beam	Leg	None	0
3	L3	Leg 90*11	SAE	90*90*11	S235	Beam	Leg	None	0
4	L4	Leg 60*6	SAE	60*60*6	S235	Truss	Other	None	0
5	UNP120(B)	UNP 120 Beam	UNP_TRUE	120	S235	Beam	Other	None	0
6	HEA120(T)	HE 120 Truss	HE_TRUE	120	S235	Truss	Other	None	0
7	CD_EL_45*5	Crossing_Diagonal_Equal_L_45*5	SAE	45*45*5	S235	Truss	Crossing Diagonal	None	0
8	CD_EL_50*5	Crossing_Diagonal_Equal_L_50*5	SAE	50*50*5	S235	Truss	Crossing Diagonal	None	0
9	CD_EL_50*6	Crossing_Diagonal_Equal_L_50*6	SAE	50*50*6	S235	Truss	Crossing Diagonal	None	0
10	CD_EL_55*6	Crossing_Diagonal_Equal_L_55*6	SAE	55*55*6	S235	Truss	Crossing Diagonal	None	0
11	CD_EL_75*8	Crossing_Diagonal_Equal_L_75*8	SAE	75*75*8	S235	Truss	Crossing Diagonal	None	0
12	CD_EL_80*8	Crossing_Diagonal_Equal_L_80*8	SAE	80*80*8	S235	Truss	Crossing Diagonal	None	0
13	Other_EL45*5	Other_Element _Equal_L_45*5	SAE	45*45*5	S235	Truss	Other	None	0
14	Other_EL50*5	Other_Element _Equal_L_50*5	SAE	50*50*5	S235	Truss	Other	None	0
15	Other_EL55*6	Other_Element _Equal_L_55*6	SAE	55*55*6	S235	Truss	Other	None	0
16	Ot_UL65*50*7	Other_Element _Unequal_L_65*50*7	SAE	65*50*7	S235	Truss	Other	None	0
17	Ot_UL75*50*7	Other_Element _Unequal_L_75*50*7	SAE	75*50*7	S235	Truss	Other	None	0
18	Other_EL65*7	Other_Element _Equal_L_65*7	SAE	65*65*7	S235	Truss	Other	None	0
19	Other_EL70*7	Other_Element _Equal_L_70*7	SAE	70*70*7	S235	Truss	Other	None	0
20	Other_EL75*7	Other_Element _Equal_L_75*7	SAE	75*75*7	S235	Truss	Other	None	0

Row #	Group Label	Angle Label	Max. Usage For All LC %	Max. Tens. For All LC (kN)	Max. Comp. For All LC (kN)
1	L1	Leg1.1P	93.77	962.711	-46.083
2	L1	Leg1.1X	24.78	56.459	-220.263
3	L1	Leg1.1XY	113.82	0	-1011.548
4	L1	Leg1.1Y	16.53	169.728	-107.721
5	L1	Leg1.2P	90.28	926.905	-43.876
6	L1	Leg1.2X	24.04	55.362	-212.741
7	L1	Leg1.2XY	110.18	0.871	-974.878
8	L1	Leg1.2Y	16.08	165.056	-101.927
9	L1	Leg1.3P	85.6	878.895	-41.071
10	L1	Leg1.3X	22.06	53.356	-202.432
11	L1	Leg1.3XY	100.79	2.087	-924.864
12	L1	Leg1.3Y	15.42	158.354	-95.006
13	L1	Leg1.4P	80.79	829.466	-38.688
14	L1	Leg1.4X	21.21	50.274	-192.381
15	L1	Leg1.4XY	96.3	2.892	-873.313
16	L1	Leg1.4Y	14.71	151.023	-88.454
17	L1	Leg1.5P	75.44	774.574	-36.038
18	L1	Leg1.5X	19.45	47.111	-180.999
19	L1	Leg1.5XY	87.52	3.893	-814.572
20	L1	Leg1.5Y	13.92	142.962	-81.573
21	L1	Leg1.6P	155.06	710.83	-33.325
22	L1	Leg1.6X	36.78	42.534	-168.628
23	L1	Leg1.6XY	163	4.248	-747.244
24	L1	Leg1.6Y	29.35	134.553	-73.816
25	L2	Leg2.2P	76.84	557.247	-28.639
26	L2	Leg2.2X	21.55	31.099	-140.81
27	L2	Leg2.2XY	89.77	3.242	-586.52
28	L2	Leg2.2Y	15.64	113.447	-58.425
29	L2	Leg2.3P	65.41	474.41	-27.922
30	L2	Leg2.3X	19.22	27.544	-127.175
31	L2	Leg2.3XY	75.38	2.414	-498.809
32	L2	Leg2.3Y	14	101.568	-54.706
33	L2	Leg2.4P	60.46	352.896	-23.012
34	L2	Leg2.4X	17.86	12.486	-104.228
35	L2	Leg2.4XY	63.56	0.78	-370.988
36	L2	Leg2.4Y	14.42	84.181	-38.552
37	L3	Leg3.1P	88.21	257.445	-23.447
38	L3	Leg3.1X	29.82	6.189	-87.032
39	L3	Leg3.1XY	94.11	0.405	-274.656
40	L3	Leg3.1Y	23.62	68.939	-31.455
41	L3	Leg3.2P	58.78	226.572	-17.259
42	L3	Leg3.2X	24.7	12.214	-79.271
43	L3	Leg3.2XY	74.71	2.839	-239.74
44	L3	Leg3.2Y	17.09	65.856	-27.715
45	L3	Leg3.3P	45.02	163.259	-12.264
46	L3	Leg3.3X	18.97	6.432	-65.227
47	L3	Leg3.3XY	50.64	2.792	-174.15
48	L3	Leg3.3Y	15.07	54.64	-16.355
49	L3	Leg3.6P	16.07	61.941	-7.863
50	L3	Leg3.6X	9.93	3.24	-37.767
51	L3	Leg3.6XY	17.55	1.905	-66.72
52	L3	Leg3.6Y	8.65	33.332	-8.26
53	L3	Leg3.7P	5.48	19.876	-6.168
54	L3	Leg3.7X	6.87	0	-26.399
55	L3	Leg3.7XY	5.83	0.174	-22.399
56	L3	Leg3.7Y	7.14	25.892	-4.867
57	L3	Leg3.8P	5.87	1.628	-9.078

58	L3	Leg3.8X	12.73	0	-19.68
59	L3	Leg3.8XY	3.08	4.764	-4.625
60	L3	Leg3.8Y	10.59	16.363	-4.308
61	L4	Leg3.9P	6.25	2.353	-3.921
62	L4	Leg3.9X	25.42	0.374	-15.951
63	L4	Leg3.9XY	5.61	3.873	-3.517
64	L4	Leg3.9Y	19.14	14.794	-0.557
65	CD_EL_80*8	Bracing1.1P	42.35	48.536	-18.272
66	CD_EL_80*8	Bracing1.1X	45.04	20.508	-46.288
67	CD_EL_80*8	Bracing1.1XY	45.39	21.125	-46.649
68	CD_EL_80*8	Bracing1.1Y	37.69	43.195	-24.625
69	CD_EL_80*8	Bracing1.2P	37.53	43.009	-25.984
70	CD_EL_80*8	Bracing1.2X	35.51	40.698	-28.789
71	CD_EL_80*8	Bracing1.2XY	45.05	23.258	-46.297
72	CD_EL_80*8	Bracing1.2Y	37.42	30.621	-38.457
73	CD_EL_80*8	Bracing2.1P	45.55	52.203	-22.574
74	CD_EL_80*8	Bracing2.1X	49.46	21.024	-53.776
75	CD_EL_80*8	Bracing2.1XY	45.52	26.421	-49.488
76	CD_EL_80*8	Bracing2.1Y	44.5	50.997	-24.869
77	CD_EL_80*8	Bracing2.2P	38.56	44.198	-33.121
78	CD_EL_80*8	Bracing2.2X	43.73	50.119	-27.695
79	CD_EL_80*8	Bracing2.2XY	43.42	30.566	-47.214
80	CD_EL_80*8	Bracing2.2Y	43.12	30.379	-46.878
81	CD_EL_75*8	Bracing3.1P	48.51	55.601	-22.854
82	CD_EL_75*8	Bracing3.1X	54.21	23.011	-55.443
83	CD_EL_75*8	Bracing3.1XY	52.04	26.322	-53.227
84	CD_EL_75*8	Bracing3.1Y	45.7	52.374	-27.263
85	CD_EL_75*8	Bracing3.2P	41.91	48.035	-33.037
86	CD_EL_75*8	Bracing3.2X	44	50.423	-31.166
87	CD_EL_75*8	Bracing3.2XY	50.69	29.744	-51.846
88	CD_EL_75*8	Bracing3.2Y	46.32	33.729	-47.373
89	CD_EL_75*8	Bracing4.1P	53.35	61.143	-25.317
90	CD_EL_75*8	Bracing4.1X	56.9	25.313	-61.125
91	CD_EL_75*8	Bracing4.1XY	54.33	29.344	-58.366
92	CD_EL_75*8	Bracing4.1Y	50.66	58.055	-29.548
93	CD_EL_75*8	Bracing4.2P	45.84	52.539	-36.892
94	CD_EL_75*8	Bracing4.2X	49.25	56.444	-33.416
95	CD_EL_75*8	Bracing4.2XY	52.4	33.555	-56.288
96	CD_EL_75*8	Bracing4.2Y	48.89	36.817	-52.521
97	CD_EL_75*8	Bracing5.1P	56.69	64.972	-27.59
98	CD_EL_75*8	Bracing5.1X	57.44	26.76	-65.836
99	CD_EL_75*8	Bracing5.1XY	54.28	31.461	-62.213
100	CD_EL_75*8	Bracing5.1Y	54.54	62.505	-31.477
101	CD_EL_75*8	Bracing5.2P	48.67	55.775	-39.781
102	CD_EL_75*8	Bracing5.2X	52.53	60.203	-35.827
103	CD_EL_75*8	Bracing5.2XY	52.74	35.584	-60.445
104	CD_EL_75*8	Bracing5.2Y	49.34	39.123	-56.553
105	CD_EL_75*8	Bracing6.1P	64.29	73.687	-32.571
106	CD_EL_75*8	Bracing6.1X	63.96	32.795	-73.303
107	CD_EL_75*8	Bracing6.1XY	61.77	37.022	-70.79
108	CD_EL_75*8	Bracing6.1Y	60.08	68.859	-38.323
109	CD_EL_75*8	Bracing6.2P	53.21	60.984	-41.089
110	CD_EL_75*8	Bracing6.2X	56.64	64.913	-37.448
111	CD_EL_75*8	Bracing6.2XY	57.08	36.778	-65.417
112	CD_EL_75*8	Bracing6.2Y	53.05	41.039	-60.803
113	CD_EL_75*8	Bracing7.1P	69.11	79.207	-36.242
114	CD_EL_75*8	Bracing7.1X	70.42	34.98	-80.705
115	CD_EL_75*8	Bracing7.1XY	65.21	41.617	-74.741

116	CD_EL_75*8	Bracing7.1Y	67.49	77.351	-40.198
117	CD_EL_75*8	Bracing7.2P	57.33	65.707	-44.955
118	CD_EL_75*8	Bracing7.2X	61.99	71.047	-39.94
119	CD_EL_75*8	Bracing7.2XY	61.7	40.5	-70.718
120	CD_EL_75*8	Bracing7.2Y	58.18	44.346	-66.675
121	CD_EL_75*8	Bracing8.1P	77.9	89.282	-38.35
122	CD_EL_75*8	Bracing8.1X	75.94	40.144	-87.036
123	CD_EL_75*8	Bracing8.1XY	75.36	43.351	-86.365
124	CD_EL_75*8	Bracing8.1Y	70.93	81.286	-46.557
125	CD_EL_75*8	Bracing8.2P	64.41	73.816	-48.764
126	CD_EL_75*8	Bracing8.2X	67.69	77.577	-45.01
127	CD_EL_75*8	Bracing8.2XY	68.68	43.444	-78.708
128	CD_EL_75*8	Bracing8.2Y	62.92	49.762	-72.115
129	CD_EL_75*8	Bracing9.1P	61	95.8	-45.804
130	CD_EL_75*8	Bracing9.1X	68.07	41.925	-100.388
131	CD_EL_75*8	Bracing9.1XY	60.53	52.444	-89.271
132	CD_EL_75*8	Bracing9.1Y	62.03	97.427	-47.613
133	CD_EL_75*8	Bracing9.2P	50.57	79.424	-56.208
134	CD_EL_75*8	Bracing9.2X	55.91	87.805	-47.958
135	CD_EL_75*8	Bracing9.2XY	58.41	50.35	-86.138
136	CD_EL_75*8	Bracing9.2Y	56.3	53.694	-83.025
137	CD_EL_75*8	Bracing10.1P	71.7	112.602	-45.784
138	CD_EL_75*8	Bracing10.1X	68.22	51.4	-105.676
139	CD_EL_75*8	Bracing10.1XY	71.4	51.05	-110.604
140	CD_EL_75*8	Bracing10.1Y	61.65	96.831	-59.71
141	CD_EL_75*8	Bracing10.2P	59.18	92.946	-59.311
142	CD_EL_75*8	Bracing10.2X	60.61	95.195	-56.731
143	CD_EL_75*8	Bracing10.2XY	63.35	52.562	-98.134
144	CD_EL_75*8	Bracing10.2Y	56.48	62.915	-87.487
145	CD_EL_55*6	Bracing11.1P	78.61	56.715	-13.596
146	CD_EL_55*6	Bracing11.1X	58.27	28.73	-40.461
147	CD_EL_55*6	Bracing11.1XY	69.41	16.271	-48.198
148	CD_EL_55*6	Bracing11.1Y	45.45	32.787	-25.927
149	CD_EL_55*6	Bracing11.2P	67.24	48.509	-25.449
150	CD_EL_55*6	Bracing11.2X	51.98	37.498	-36.084
151	CD_EL_55*6	Bracing11.2XY	77.22	19.936	-53.618
152	CD_EL_55*6	Bracing11.2Y	53.39	38.515	-34.673
153	CD_EL_55*6	Bracing12.1P	77.92	56.212	-23.773
154	CD_EL_55*6	Bracing12.1X	75.23	25.269	-55.348
155	CD_EL_55*6	Bracing12.1XY	65.47	31.72	-48.165
156	CD_EL_55*6	Bracing12.1Y	74.8	53.96	-27.754
157	CD_EL_55*6	Bracing12.2P	66.81	48.203	-36.731
158	CD_EL_55*6	Bracing12.2X	72.15	52.055	-32.856
159	CD_EL_55*6	Bracing12.2XY	72.99	31.544	-53.701
160	CD_EL_55*6	Bracing12.2Y	65.86	37.17	-48.458
161	CD_EL_55*6	Bracing13.1P	83.34	60.128	-26.961
162	CD_EL_55*6	Bracing13.1X	78.29	25.804	-60.5
163	CD_EL_55*6	Bracing13.1XY	75.98	29.688	-58.716
164	CD_EL_55*6	Bracing13.1Y	71.94	51.901	-34.522
165	CD_EL_55*6	Bracing13.2P	72.72	52.466	-39.85
166	CD_EL_55*6	Bracing13.2X	79.77	57.552	-34.511
167	CD_EL_55*6	Bracing13.2XY	73.35	35.087	-56.685
168	CD_EL_55*6	Bracing13.2Y	66.96	39.809	-51.743
169	CD_EL_50*5	Bracing14.1P	82.76	31.98	-10.801
170	CD_EL_50*5	Bracing14.1X	66.77	16.346	-25.801
171	CD_EL_50*5	Bracing14.1XY	68.87	12.412	-26.613
172	CD_EL_50*5	Bracing14.1Y	56.2	21.716	-15.302
173	CD_EL_50*5	Bracing14.2P	61.61	23.806	-15.748

174	CD_EL_50*5	Bracing14.2X	53.26	20.581	-18.908
175	CD_EL_50*5	Bracing14.2XY	70.55	12.588	-27.261
176	CD_EL_50*5	Bracing14.2Y	53.69	20.746	-18.849
177	CD_EL_50*5	Bracing15.1P	91.32	35.286	-15.769
178	CD_EL_50*5	Bracing15.1X	87.93	17.125	-33.976
179	CD_EL_50*5	Bracing15.1XY	81.61	19.81	-31.533
180	CD_EL_50*5	Bracing15.1Y	81.69	31.563	-19.541
181	CD_EL_50*5	Bracing15.2P	67.94	26.25	-21.283
182	CD_EL_50*5	Bracing15.2X	71.71	27.71	-19.522
183	CD_EL_50*5	Bracing15.2XY	76.41	17.85	-29.526
184	CD_EL_50*5	Bracing15.2Y	65.06	22.478	-25.138
185	CD_EL_55*6	Bracing16.1P	97.61	37.718	-19.104
186	CD_EL_55*6	Bracing16.1X	101.84	17.5	-39.351
187	CD_EL_55*6	Bracing16.1XY	89.65	22.094	-34.639
188	CD_EL_55*6	Bracing16.1Y	92.31	35.667	-21.787
189	CD_EL_55*6	Bracing16.2P	72.32	27.943	-24.982
190	CD_EL_55*6	Bracing16.2X	84.14	32.513	-20.006
191	CD_EL_55*6	Bracing16.2XY	80.27	21.473	-31.015
192	CD_EL_55*6	Bracing16.2Y	75.65	23.735	-29.231
193	CD_EL_50*6	Bracing17.1P	111.75	43.181	-18.856
194	CD_EL_50*6	Bracing17.1X	106	20.868	-40.957
195	CD_EL_50*6	Bracing17.1XY	103.59	23.244	-40.029
196	CD_EL_50*6	Bracing17.1Y	95.91	37.061	-24.789
197	CD_EL_50*6	Bracing17.2P	82.71	31.96	-26.028
198	CD_EL_50*6	Bracing17.2X	88.87	34.338	-23.762
199	CD_EL_50*6	Bracing17.2XY	92.65	22.186	-35.799
200	CD_EL_50*6	Bracing17.2Y	78.99	27.178	-30.523
201	CD_EL_45*5	Bracing18.1P	18.56	7.171	-0.493
202	CD_EL_45*5	Bracing18.1X	11.74	4.536	-2.091
203	CD_EL_45*5	Bracing18.1XY	15.53	1.882	-6
204	CD_EL_45*5	Bracing18.1Y	14.84	5.732	-4.075
205	CD_EL_45*5	Bracing18.2P	11.95	1.131	-4.617
206	CD_EL_45*5	Bracing18.2X	12.26	1.032	-4.736
207	CD_EL_45*5	Bracing18.2XY	9.79	3.784	-1.779
208	CD_EL_45*5	Bracing18.2Y	11.35	4.384	-1.369
209	UNP120(B)	CA3.1.2P	48.67	106.524	-39.348
210	UNP120(B)	CA3.1.2X	57.83	126.585	-25.659
211	UNP120(B)	CA3.1.2XY	34.29	5.66	-75.048
212	UNP120(B)	CA3.1.2Y	67.93	14.177	-148.689
213	UNP120(B)	CA3.1.3P	16.39	61.805	-33.732
214	UNP120(B)	CA3.1.3X	19.68	74.238	-23.384
215	UNP120(B)	CA3.1.3XY	30.92	5.649	-75.038
216	UNP120(B)	CA3.1.3Y	61.27	14.16	-148.674
217	UNP120(B)	CA3.1.5P	16.29	65.443	-24.566
218	UNP120(B)	CA3.1.5X	19.08	76.63	-17.56
219	UNP120(B)	CA3.1.5XY	24.14	3.455	-48.269
220	UNP120(B)	CA3.1.5Y	41.28	8.675	-82.538
221	UNP120(B)	CA3.1.6P	9.81	30.28	-20.672
222	UNP120(B)	CA3.1.6X	8.71	35.605	-15.773
223	UNP120(B)	CA3.1.6XY	22.91	3.454	-48.272
224	UNP120(B)	CA3.1.6Y	39.17	8.673	-82.54
225	UNP120(B)	CA3.1.7P	21.02	30.271	-20.677
226	UNP120(B)	CA3.1.7X	24.72	35.6	-15.78
227	UNP120(B)	CA3.1.7XY	11.54	16.621	-11.874
228	UNP120(B)	CA3.1.7Y	14.9	0	-32.106
229	HEA120(T)	CA3.14P	15.46	23.892	-0.052
230	HEA120(T)	CA3.14X	17.96	27.763	-0.152
231	Other_EL65*7	CA3.13P	54.53	8.296	-39.643

232	Other_EL65*7	CA3.13X	63.54	4.586	-46.197
233	Other_EL45*5	CA3.12P	0.35	0.136	0
234	Other_EL45*5	CA3.12X	0.32	0.122	-0.016
235	Other_EL65*7	CA3.11P	42.07	25.378	-5.455
236	Other_EL65*7	CA3.11X	49.37	29.778	-3.049
237	Other_EL45*5	CA3.10P	0.15	0.058	0
238	Other_EL45*5	CA3.10X	0.12	0.047	-0.021
239	Other_EL65*7	CA3.9P	51.23	3.996	-19.795
240	Other_EL65*7	CA3.9X	59.39	2.151	-22.95
241	HEA120(T)	CA3.8P	3.34	5.157	-0.002
242	HEA120(T)	CA3.8X	1.87	2.897	-0.025
243	HEA120(T)	CA3.8XY	1.91	2.946	-0.019
244	HEA120(T)	CA3.8Y	3.34	5.168	-0.006
245	Other_EL70*7	CA3.7P	55.23	40.294	-8.811
246	Other_EL70*7	CA3.7X	64.81	47.286	-4.958
247	Other_EL45*5	CA3.6P	1.2	0.216	-0.246
248	Other_EL45*5	CA3.6X	1.5	0.215	-0.306
249	Other_EL75*7	CA3.5P	61.58	7.324	-35.286
250	Other_EL75*7	CA3.5X	71.95	4.134	-41.229
251	UNP120(B)	CA2.1.2P	52.37	60.021	-21.532
252	UNP120(B)	CA2.1.2X	65.15	74.666	-14.24
253	UNP120(B)	CA2.1.2XY	39.87	4.535	-45.693
254	UNP120(B)	CA2.1.2Y	69.39	8.946	-79.524
255	UNP120(B)	CA2.1.3P	8.82	33.28	-15.881
256	UNP120(B)	CA2.1.3X	10.72	40.43	-10.912
257	UNP120(B)	CA2.1.3XY	18.97	5.19	-45.339
258	UNP120(B)	CA2.1.3Y	32.59	9.927	-77.897
259	UNP120(B)	CA2.1.4P	23.12	33.288	-15.885
260	UNP120(B)	CA2.1.4X	28.09	40.443	-10.915
261	UNP120(B)	CA2.1.4XY	12.73	18.325	-6.523
262	UNP120(B)	CA2.1.4Y	12.48	0	-28.942
263	HEA120(T)	CA2.10P	15.15	23.417	-0.104
264	HEA120(T)	CA2.10X	18.33	28.329	-0.106
265	Other_EL65*7	CA2.9P	54.14	8.464	-39.497
266	Other_EL65*7	CA2.9X	65.93	4.951	-48.099
267	Other_EL45*5	CA2.8P	0.14	0.047	-0.054
268	Other_EL45*5	CA2.8X	0.34	0.033	-0.131
269	Ot_UL75*50*7	CA2.7P	55.29	21.365	-4.688
270	Ot_UL75*50*7	CA2.7X	67.79	26.195	-2.689
271	Other_EL45*5	CA2.6P	0.5	0.064	-0.177
272	Other_EL45*5	CA2.6X	0.6	0.087	-0.213
273	Ot_UL75*50*7	CA2.5P	39.66	3.22	-15.324
274	Ot_UL75*50*7	CA2.5X	48.26	1.929	-18.648
275	UNP120(B)	CA1.11P	134.7	77.19	-25.379
276	UNP120(B)	CA1.11X	151.07	86.572	-13.766
277	UNP120(B)	CA1.11XY	90.05	6.128	-51.603
278	UNP120(B)	CA1.11Y	150.19	12.76	-86.066
279	UNP120(B)	CA1.1.3P	8.65	34.746	-14.629
280	UNP120(B)	CA1.1.3X	9.69	38.904	-9.247
281	UNP120(B)	CA1.1.3XY	20.08	6.957	-50.71
282	UNP120(B)	CA1.1.3Y	33.68	13.981	-85.039
283	UNP120(B)	CA1.1.4P	22.26	34.75	-14.63
284	UNP120(B)	CA1.1.4X	24.92	38.911	-9.248
285	UNP120(B)	CA1.1.4XY	11.83	18.476	-5.955
286	UNP120(B)	CA1.1.4Y	11.44	0	-26.026
287	HEA120(T)	CA1.10P	15.19	23.479	-0.082
288	HEA120(T)	CA1.10X	16.79	25.95	-0.084
289	Ot_UL65*50*7	CA1.9P	72.86	10.039	-41.749

290	Ot_UL65*50*7	CA1.9X	81.18	5.42	-46.517
291	Other_EL45*5	CA1.8P	0.13	0.051	-0.042
292	Other_EL45*5	CA1.8X	0.36	0.026	-0.139
293	Other_EL55*6	CA1.7P	52.83	30.275	-7.464
294	Other_EL55*6	CA1.7X	59.29	33.975	-3.921
295	Other_EL45*5	CA1.6P	0.52	0.141	-0.199
296	Other_EL45*5	CA1.6X	0.82	0.114	-0.317
297	Other_EL55*6	CA1.5P	59.36	5.42	-22.937
298	Other_EL55*6	CA1.5X	66.05	2.988	-25.522
299	Other_EL55*6	CA3.16.1P	25.27	18.231	0
300	Other_EL55*6	CA3.16.1X	25.29	18.246	0
301	Other_EL55*6	CA3.16.1XY	23.39	16.872	0
302	Other_EL55*6	CA3.16.1Y	23.58	17.012	0
303	Other_EL55*6	CA3.16.2P	25.25	18.217	0
304	Other_EL55*6	CA3.16.2X	25.27	18.233	0
305	Other_EL55*6	CA3.16.2XY	23.37	16.863	0
306	Other_EL55*6	CA3.16.2Y	23.56	17	0
307	Other_EL45*5	CA3.17P	1.17	0	-0.454
308	Other_EL45*5	CA3.17X	1.19	0	-0.458
309	Other_EL45*5	CA3.17XY	1.09	0	-0.421
310	Other_EL45*5	CA3.17Y	1.13	0	-0.437
311	Other_EL55*6	CA3.15P	25.45	9.833	0
312	Other_EL55*6	CA3.15X	26.14	10.1	0
313	Other_EL55*6	CA3.15XY	26.48	10.233	0
314	Other_EL55*6	CA3.15Y	24.51	9.471	0
315	Other_EL45*5	CA3.18P	0.54	0.21	0
316	Other_EL45*5	CA3.18X	0.6	0.231	0
317	Other_EL45*5	CA3.18XY	0.64	0.247	0
318	Other_EL45*5	CA3.18Y	0.64	0.249	0
319	Other_EL50*5	CA2.12.1P	21.66	11.681	0
320	Other_EL50*5	CA2.12.1X	22.06	11.899	0
321	Other_EL50*5	CA2.12.1XY	23.98	12.932	0
322	Other_EL50*5	CA2.12.1Y	23.81	12.842	0
323	Other_EL50*5	CA2.12.2P	21.66	11.683	0
324	Other_EL50*5	CA2.12.2X	22.06	11.899	0
325	Other_EL50*5	CA2.12.2XY	23.98	12.935	0
326	Other_EL50*5	CA2.12.2Y	23.81	12.845	0
327	Other_EL45*5	CA2.13P	0.3	0	-0.118
328	Other_EL45*5	CA2.13X	0.3	0	-0.118
329	Other_EL45*5	CA2.13XY	0.31	0	-0.12
330	Other_EL45*5	CA2.13Y	0.31	0	-0.122
331	Other_EL50*5	CA1.12.1P	18.78	10.13	0
332	Other_EL50*5	CA1.12.1X	18.81	10.145	0
333	Other_EL50*5	CA1.12.1XY	19.97	10.771	0
334	Other_EL50*5	CA1.12.1Y	19.85	10.708	0
335	Other_EL50*5	CA1.12.2P	18.78	10.132	0
336	Other_EL50*5	CA1.12.2X	18.81	10.145	0
337	Other_EL50*5	CA1.12.2XY	19.97	10.773	0
338	Other_EL50*5	CA1.12.2Y	19.86	10.711	0
339	Other_EL45*5	CA1.14P	0.25	0	-0.096
340	Other_EL45*5	CA1.14X	0.25	0	-0.095
341	Other_EL45*5	CA1.14XY	0.25	0	-0.098
342	Other_EL45*5	CA1.14Y	0.26	0	-0.099
343	UNP120(B)	CA1.1.1P	33.76	19.345	-16.816
344	UNP120(B)	CA1.1.1X	37.93	21.736	-13.55
345	UNP120(B)	CA1.1.1XY	25.94	14.867	-8.832
346	UNP120(B)	CA1.1.1Y	25.04	14.348	-8.559
347	UNP120(B)	CA1.1.2P	135.23	77.492	-18.261

348	UNP120(B)	CA1.1.2X	127.17	72.871	-15.867
349	UNP120(B)	CA1.1.2XY	138.59	8.3	-79.419
350	UNP120(B)	CA1.1.2Y	146.54	12.155	-83.973
351	Other_EL45*5	CA1.15P	5.38	0	-2.998
352	Other_EL45*5	CA1.15X	2.57	1.076	-1.435
353	Other_EL45*5	CA1.16P	22.09	10.398	-0.997
354	Other_EL45*5	CA1.16Y	23.25	10.941	-1.019
355	Other_EL45*5	CA1.3P	56.95	22.004	-19.678
356	Other_EL45*5	CA1.3X	55.57	20.057	-21.471
357	Other_EL45*5	CA1.3XY	56	21.637	-20.064
358	Other_EL45*5	CA1.3Y	56.94	19.664	-22.002
359	UNP120(B)	CA2.1.1P	16.05	18.398	-18.382
360	UNP120(B)	CA2.1.1X	19.43	22.27	-12.975
361	UNP120(B)	CA2.1.1XY	15.35	17.588	-9.932
362	UNP120(B)	CA2.1.1Y	12.19	13.971	-12.085
363	UNP120(B)	CA2.2P	52.28	59.922	-15.421
364	UNP120(B)	CA2.2X	47.87	54.859	-12.97
365	UNP120(B)	CA2.2XY	53.68	4.062	-61.519
366	UNP120(B)	CA2.2Y	58.03	7.75	-66.513
367	Other_EL45*5	CA2.3P	59.11	22.839	-21.485
368	Other_EL45*5	CA2.3X	60	21.588	-22.647
369	Other_EL45*5	CA2.3XY	58.84	22.734	-21.576
370	Other_EL45*5	CA2.3Y	60.55	21.467	-22.855
371	Other_EL45*5	CA2.14P	17.83	0	-5.082
372	Other_EL45*5	CA2.14X	9.81	4.237	0
373	UNP120(B)	CA3.1.1P	13.51	28.367	-29.561
374	UNP120(B)	CA3.1.1X	19.26	42.152	-14.223
375	UNP120(B)	CA3.1.1XY	14.24	31.161	-1.402
376	UNP120(B)	CA3.1.1Y	7.16	14	-15.672
377	UNP120(B)	CA3.2P	42.71	93.473	-30.047
378	UNP120(B)	CA3.2X	38.05	83.287	-26.4
379	UNP120(B)	CA3.2XY	45.82	4.099	-100.298
380	UNP120(B)	CA3.2Y	50.44	9.525	-110.401
381	Other_EL45*5	CA3.3P	114.08	30.699	-30.938
382	Other_EL45*5	CA3.3X	112.59	31.039	-30.535
383	Other_EL45*5	CA3.3XY	114.18	30.648	-30.966
384	Other_EL45*5	CA3.3Y	113.13	30.934	-30.681
385	Other_EL50*5	CA3.19P	46.01	0	-11.585
386	Other_EL50*5	CA3.19X	26.9	10.394	0
387	Other_EL50*5	CA3.20P	52.63	20.335	-9.867
388	Other_EL50*5	CA3.20Y	69.77	26.958	0
389	Other_EL45*5	CA1.13P	6.89	2.662	0
390	Other_EL45*5	CA1.13X	6.79	2.625	0
391	Other_EL45*5	CA1.13XY	6.23	2.407	0
392	Other_EL45*5	CA1.13Y	6.3	2.435	0
393	Other_EL45*5	CA2.15P	25.97	11.218	-4.893
394	Other_EL45*5	CA2.15Y	32.76	14.154	-0.302
395	Other_EL45*5	CA2.11P	7.85	3.035	0
396	Other_EL45*5	CA2.11X	5.92	2.288	0
397	Other_EL45*5	CA2.11XY	4.86	1.877	-0.113
398	Other_EL45*5	CA2.11Y	6.19	2.39	0
399	L3	Leg3.5P	23.47	90.467	-8.924
400	L3	Leg3.5X	12.76	4.532	-46.16
401	L3	Leg3.5XY	27.21	2.73	-98.426
402	L3	Leg3.5Y	10.27	39.581	-10.141
403	L3	Leg3.4P	30.69	111.286	-12.874
404	L3	Leg3.4X	14.85	3.668	-54.808
405	L3	Leg3.4XY	33.49	2.362	-123.616

406	L3	Leg3.4Y	12.06	43.721	-14.729
407	Other_EL45*5	CA3.4P	0.75	0.014	-0.127
408	Other_EL45*5	CA2.4P	0.21	0.009	-0.054
409	Other_EL45*5	CA1.4P	0.35	0	-0.137
410	L2	Leg2.1P	139.99	641.781	-31.674
411	L2	Leg2.1X	34.14	38.833	-156.516
412	L2	Leg2.1XY	147.34	3.888	-675.434
413	L2	Leg2.1Y	27.29	125.105	-68.248
414	CD_EL_50*5	BRACING5-6P	12.74	2.403	-2.177
415	CD_EL_50*5	BRACING5-6X	9.94	2.784	-1.699
416	CD_EL_45*5	BRACINGD-TP	12.25	4.732	-2.253
417	CD_EL_45*5	BRACINGD-TX	11.58	4.475	-2.695
418	UNP120(B)	CA1.1.5P	8.36	33.585	-16.687
419	UNP120(B)	CA1.1.5X	9.41	37.777	-11.27
420	UNP120(B)	CA1.1.5XY	20.43	6.129	-51.591
421	UNP120(B)	CA1.1.5Y	34.07	12.757	-86.055

BIJLAGE B2: BEREKENINGSRESULTATEN VERBOUWNIVEAU NA VERSTREKKING

Row #	Section Label	Joint Defining Section Bottom	Dead Load Adjust. Factor	Transverse Drag x Area Factor For Face	Longitudinal Drag x Area Factor For Face	Transverse Area Factor (CD From Code)	Longitudinal Area Factor (CD From Code)	Af Flat Factor For Face EIA Only	Ar Round Factor For Face EIA Only	Transverse Drag x Area Factor For All	Longitudinal Drag x Area Factor For All	SAPS Angle Drag x Area Factor	SAPS Round Drag x Area Factor	Adjustment Type
1	S8	DP	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
2	S7	CA1.1P	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
3	S6	Sd12S	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
4	S5	CA2.2P	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
5	S4	Sd10S	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
6	S3	CP	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
7	S2	Sd5S	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None
8	S1	AP	1.185	1.1	1.1	1.1	1.1	0	0	0	0	0	0	None

Row #	Group Label	Group Description	Angle Type	Angle Size	Material Type	Element Type	Group Type	Optimize Group	Allow. Add. Angle Width For Optimize (cm)
1	L1	Leg 160*15	SAE	160*160*15	S235	Beam	Leg	None	0
2	L2	Leg 130*14	SAE	130*130*14	S235	Beam	Leg	None	0
3	L3	Leg 90*11	SAE	90*90*11	S235	Beam	Leg	None	0
4	L4	Leg 60*6	SAE	60*60*6	S235	Truss	Other	None	0
5	UNP120(B)	UNP 120 Beam	UNP_TRUE	120	S235	Beam	Other	None	0
6	HEA120(T)	HE 120 Truss	HE_TRUE	120	S235	Truss	Other	None	0
7	CD_EL_45*5	Crossing_Diagonal_Equal_L_45*5	SAE	45*45*5	S235	Truss	Crossing Diagonal	None	0
8	CD_EL_50*5	Crossing_Diagonal_Equal_L_50*5	SAE	50*50*5	S235	Truss	Crossing Diagonal	None	0
9	CD_EL_50*6	Crossing_Diagonal_Equal_L_50*6	SAE	50*50*6	S235	Truss	Crossing Diagonal	None	0
10	CD_EL_55*6	Crossing_Diagonal_Equal_L_55*6	SAE	55*55*6	S235	Truss	Crossing Diagonal	None	0
11	CD_EL_75*8	Crossing_Diagonal_Equal_L_75*8	SAE	75*75*8	S235	Truss	Crossing Diagonal	None	0
12	CD_EL_80*8	Crossing_Diagonal_Equal_L_80*8	SAE	80*80*8	S235	Truss	Crossing Diagonal	None	0
13	Other_EL45*5	Other_Element _Equal_L_45*5	SAE	45*45*5	S235	Truss	Other	None	0
14	Other_EL50*5	Other_Element _Equal_L_50*5	SAE	50*50*5	S235	Truss	Other	None	0
15	Other_EL55*6	Other_Element _Equal_L_55*6	SAE	55*55*6	S235	Truss	Other	None	0
16	Ot_UL65*50*7	Other_Element _Unequal_L_65*50*7	SAE	65*50*7	S235	Truss	Other	None	0
17	Ot_UL75*50*7	Other_Element _Unequal_L_75*50*7	SAE	75*50*7	S235	Truss	Other	None	0
18	Other_EL65*7	Other_Element _Equal_L_65*7	SAE	65*65*7	S235	Truss	Other	None	0
19	Other_EL70*7	Other_Element _Equal_L_70*7	SAE	70*70*7	S235	Truss	Other	None	0
20	Other_EL75*7	Other_Element _Equal_L_75*7	SAE	75*75*7	S235	Truss	Other	None	0
21	Mod_EL_60*6	Modified member for quadrant	SAE	60*60*6	S235	Truss	Other	None	0
22	ModDC160*15	Modified member for legs	DC	160*160*15*	S235	Beam	Leg	None	0

Row #	Member Label	Group Label	Symmetry Code	Origin Joir	End Joint	Ecc. Code	Rest. Code	Ratio RLX	Ratio RLY	Ratio RLZ	Bolt Type	# Bolts	# Bolt Hol	# Shear Pl	Connect Leg	Short Edge	Long Edge	End Dist. (	Bolt Spacir	Shear Path	Tension Pa	Rest. Coef.
1	Leg1.1	ModDC160*15	XY-Symmetry	AP	Sd1S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
2	Leg1.2	L1	XY-Symmetry	Sd1S	Sd2S	1	4	0.33	0.33	0.33	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
3	Leg1.3	L1	XY-Symmetry	Sd2S	Sd3S	1	4	0.5	0.5	0.5	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
4	Leg1.4	L1	XY-Symmetry	Sd3S	Sd4S	1	4	0.5	0.5	0.5	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
5	Leg1.5	L1	XY-Symmetry	Sd4S	Sd5S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
6	Leg1.6	L1	XY-Symmetry	Sd5S	Sd6S	1	6	1	1	1	M20&8.8	8	2	1	Both	4.5	10	4	8	0	0	0
7	Leg2.2	L2	XY-Symmetry	Sd7S	Sd8S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
8	Leg2.3	L2	XY-Symmetry	Sd8S	Sd9S	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
9	Leg2.4	L2	XY-Symmetry	Sd9S	CP	1	6	1	1	1	M22&4.6	8	2	1	Both	4	0	4	9	0	0	0
10	Leg3.1	L3	XY-Symmetry	CP	Sd10S	1	6	1	1	1	M22&4.6	4	2	1	Both	4	0	4	8	0	0	0
11	Leg3.2	L3	XY-Symmetry	Sd10S	Sd11S	1	4	1	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
12	Leg3.3	L3	XY-Symmetry	Sd11S	CA2.1P	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
13	Leg3.6	L3	XY-Symmetry	Sd13S	Sd14S	1	4	1	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
14	Leg3.7	L3	XY-Symmetry	Sd14S	CA1.1P	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
15	Leg3.8	L3	XY-Symmetry	CA1.1P	DP	1	6	1	1	1	M16&4.6	4	2.46	1	Both	3	0	2	8	0	0	0
16	Leg3.9	L4	XY-Symmetry	DP	TopP	3	8	1	1	1	M16&4.6	2	1	1	Long only	2.5	0	3	5.5	0	0	0
17	Bracing1.1	CD_EL_80*8	XY-Symmetry	AP	Sd1X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
18	Bracing1.2	CD_EL_80*8	XY-Symmetry	AP	Sd1Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
19	Bracing2.1	CD_EL_80*8	XY-Symmetry	Sd1S	Sd2X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
20	Bracing2.2	CD_EL_80*8	XY-Symmetry	Sd1S	Sd2Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
21	Bracing3.1	CD_EL_75*8	XY-Symmetry	Sd2S	Sd3X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
22	Bracing3.2	CD_EL_75*8	XY-Symmetry	Sd2S	Sd3Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
23	Bracing4.1	CD_EL_75*8	XY-Symmetry	Sd3S	Sd4X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
24	Bracing4.2	CD_EL_75*8	XY-Symmetry	Sd3S	Sd4Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
25	Bracing5.1	CD_EL_75*8	XY-Symmetry	Sd4S	Sd5X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
26	Bracing5.2	CD_EL_75*8	XY-Symmetry	Sd4S	Sd5Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
27	Bracing6.1	CD_EL_75*8	XY-Symmetry	Sd5S	Sd6X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
28	Bracing6.2	CD_EL_75*8	XY-Symmetry	Sd5S	Sd6Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
29	Bracing7.1	CD_EL_75*8	XY-Symmetry	Sd6S	Sd7X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
30	Bracing7.2	CD_EL_75*8	XY-Symmetry	Sd6S	Sd7Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
31	Bracing8.1	CD_EL_75*8	XY-Symmetry	Sd7S	Sd8X	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
32	Bracing8.2	CD_EL_75*8	XY-Symmetry	Sd7S	Sd8Y	3	8	0.52	0.52	0.52	M20&4.6_M	2	1	1	Short only	3.5	0	3.5	7	0	0	0
33	Bracing9.1	CD_EL_75*8	XY-Symmetry	Sd8S	Sd9X	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
34	Bracing9.2	CD_EL_75*8	XY-Symmetry	Sd8S	Sd9Y	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
35	Bracing10.1	CD_EL_75*8	XY-Symmetry	Sd9S	CX	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
36	Bracing10.2	CD_EL_75*8	XY-Symmetry	Sd9S	CY	3	8	0.52	0.52	0.52	M20&4.6_M	3	1	1	Short only	3.5	0	3.5	7	0	0	0
37	Bracing11.1	CD_EL_55*6	XY-Symmetry	CP	Sd10X	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
38	Bracing11.2	CD_EL_55*6	XY-Symmetry	CP	Sd10Y	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
39	Bracing12.1	CD_EL_55*6	XY-Symmetry	Sd10S	Sd11X	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
40	Bracing12.2	CD_EL_55*6	XY-Symmetry	Sd10S	Sd11Y	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
41	Bracing13.1	CD_EL_55*6	XY-Symmetry	Sd11S	CA2.1X	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
42	Bracing13.2	CD_EL_55*6	XY-Symmetry	Sd11S	CA2.1Y	3	8	0.53	0.53	0.53	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
43	Bracing14.1	CD_EL_50*5	XY-Symmetry	CA2.1P	Sd12X	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
44	Bracing14.2	CD_EL_50*5	XY-Symmetry	CA2.1P	Sd12Y	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
45	Bracing15.1	CD_EL_50*5	XY-Symmetry	Sd12S	Sd13X	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3.1	0	0	0	0
46	Bracing15.2	CD_EL_50*5	XY-Symmetry	Sd12S	Sd13Y	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	3.1	0	0	0	0
47	Bracing16.1	CD_EL_55*6	XY-Symmetry	Sd13S	Sd14X	3	7	0.53	0.53	0.53	M16&8.8	1	1	1	Short only	2	0	3	0	0	0	0
48	Bracing16.2	CD_EL_55*6	XY-Symmetry	Sd13S	Sd14Y	3	7	0.53	0.53	0.53	M16&8.8	1	1	1	Short only	2	0	3	0	0	0	0
49	Bracing17.1	CD_EL_50*6	XY-Symmetry	Sd14S	CA1.1X	3	7	0.53	0.53	0.53	M16&8.8	1	1	1	Short only	2	0	3.1	0	0	0	0

50	Bracing17.2	CD_EL_50*6	XY-Symmetry	Sd14S	CA1.1Y	3	7	0.53	0.53	0.53	M16&8.8	1	1	1	Short only	2	0	3.1	0	0	0	0
51	Bracing18.1	CD_EL_45*5	XY-Symmetry	CA1.1P	DX	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	2.9	0	0	0	0
52	Bracing18.2	CD_EL_45*5	XY-Symmetry	CA1.1P	DY	3	7	0.53	0.53	0.53	M16&4.6	1	1	1	Short only	2	0	2.9	0	0	0	0
53	CA3.1.2	UNP120(B)	XY-Symmetry	CP	SdCA3.1S	3	6	2.023	1	1	M22&4.6	3	2	1	Long only	6	0	3	10	0	0	0
54	CA3.1.3	UNP120(B)	XY-Symmetry	SdCA3.1S	SdCA3.2S	3	4	1.978	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
55	CA3.1.5	UNP120(B)	XY-Symmetry	SdCA3.2S	SdCA3.3S	3	4	2.714	1	1	M20&4.6_M	0	1	0	Continuous	0	0	0	0	0	0	0
56	CA3.1.6	UNP120(B)	XY-Symmetry	SdCA3.3S	SdCA3.4S	3	4	3.129	1	1	M16&4.6	0	1	0	Continuous	0	0	0	0	0	0	0
57	CA3.1.7	UNP120(B)	XY-Symmetry	SdCA3.4S	CA3.2P	3	6	3.206	1	1	M16&4.6	6	2	1	Short only	2.5	0	3	4	0	0	0
58	CA3.14	HEA120(T)	X-Symmetry	CA3.2P	CA3.2Y	1	8	1	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
59	CA3.13	Other_EL65*7	X-Symmetry	CA3.2P	SdCA3.4Y	3	7	1	1	1	M22&4.6	1	1	1	Short only	3	0	4	0	0	0	0
60	CA3.12	Other_EL45*5	X-Symmetry	SdCA3.4Y	SdCA3.4S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
61	CA3.11	Other_EL65*7	X-Symmetry	SdCA3.4Y	SdCA3.3S	3	7	1	1	1	M16&4.6	1	1	1	Short only	3	0	3.5	0	0	0	0
62	CA3.10	Other_EL45*5	X-Symmetry	SdCA3.3S	SdCA3.3Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
63	CA3.9	Other_EL65*7	X-Symmetry	SdCA3.3S	SdCA3.2Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	3	0	3	0	0	0	0
64	CA3.8	HEA120(T)	XY-Symmetry	SdCA3.6S	SdCA3.2S	3	6	2	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
65	CA3.7	Other_EL70*7	X-Symmetry	SdCA3.2Y	SdCA3.1S	3	7	1	1	1	M22&4.6	1	1	1	Short only	3	0	4	0	0	0	0
66	CA3.6	Other_EL45*5	X-Symmetry	SdCA3.1S	SdCA3.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
67	CA3.5	Other_EL75*7	X-Symmetry	SdCA3.1S	CY	3	7	1	1	1	M20&4.6_M	1	1	1	Short only	3.5	0	3.5	0	0	0	0
68	CA2.1.2	UNP120(B)	XY-Symmetry	CA2.1P	SdCA2.1S	3	6	1	1.49	1	M20&4.6_M	2	2	1	Long only	6	0	3	14	0	0	0
69	CA2.1.3	UNP120(B)	XY-Symmetry	SdCA2.1S	SdCA2.2S	3	4	1.927	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
70	CA2.1.4	UNP120(B)	XY-Symmetry	SdCA2.2S	CA2.2P	3	6	2.078	1	1	M16&4.6	6	2	1	Short only	2	0	2.5	4	0	0	0
71	CA2.10	HEA120(T)	X-Symmetry	CA2.2P	CA2.2Y	1	8	1	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
72	CA2.9	Other_EL65*7	X-Symmetry	CA2.2P	SdCA2.2Y	3	7	1	1	1	M22&4.6	1	1	1	Long only	3	0	4	0	0	0	0
73	CA2.8	Other_EL45*5	X-Symmetry	SdCA2.2Y	SdCA2.2S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
74	CA2.7	Ot_UL75*50*7	X-Symmetry	SdCA2.2Y	SdCA2.1S	3	7	1	1	1	M16&4.6	1	1	1	Long only	3.5	0	3	0	0	0	0
75	CA2.6	Other_EL45*5	X-Symmetry	SdCA2.1S	SdCA2.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
76	CA2.5	Ot_UL75*50*7	X-Symmetry	SdCA2.1S	CA2.1Y	3	7	1	1	1	M16&4.6	1	1	1	Long only	3.5	0	3	0	0	0	0
77	CA1.11	UNP120(B)	XY-Symmetry	CA1.1P	SdCA1.1S	3	5	1	1.31	1	M20&4.6_M	2	2	1	Long only	6	0	3	7	0	0	0
78	CA1.1.3	UNP120(B)	XY-Symmetry	SdCA1.1.S	SdCA1.2S	3	4	2.391	1.488	1	M20&4.6_M	0	1	0	Continuous	0	0	0	0	0	0	0
79	CA1.1.4	UNP120(B)	XY-Symmetry	SdCA1.2S	CA1.2P	3	6	1.719	1	1	M16&4.6	6	2.458	1	Short only	2.5	0	3	6	0	0	0
80	CA1.10	HEA120(T)	X-Symmetry	CA1.2P	CA1.2Y	1	8	1	1	1	M16&4.6	4	2	1	Short only	2.7	0	3	5	0	0	0
81	CA1.9	Ot_UL65*50*7	X-Symmetry	CA1.2P	SdCA1.2Y	3	7	1	1	1	M20&4.6_M	1	1	1	Long only	3	0	3.5	0	0	0	0
82	CA1.8	Other_EL45*5	X-Symmetry	SdCA1.2Y	SdCA1.2S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
83	CA1.7	Other_EL55*6	X-Symmetry	SdCA1.2Y	SdCA1.1S	3	7	1	1	1	M20&4.6_M	1	1	1	Short only	2.5	0	3.5	0	0	0	0
84	CA1.6	Other_EL45*5	X-Symmetry	SdCA1.1S	SdCA1.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
85	CA1.5	Other_EL55*6	X-Symmetry	SdCA1.1S	CA1.1Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2.5	0	3	0	0	0	0
86	CA3.16.1	Other_EL55*6	XY-Symmetry	Sd10XY	SdCA3.5XY	3	6	1	2.655	1	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
87	CA3.16.2	Other_EL55*6	XY-Symmetry	SdCA3.5XY	CA3.2XY	3	6	1	1.604	1	M16&4.6	2	1	1	Short only	2.5	0	3	5.5	0	0	0
88	CA3.17	Other_EL45*5	XY-Symmetry	SdCA3.2XY	SdCA3.5XY	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
89	CA3.15	Other_EL55*6	XY-Symmetry	SdCA3.2XY	Sd10XY	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
90	CA3.18	Other_EL45*5	XY-Symmetry	SdCA3.6S	SdCA3.5S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
91	CA2.12.1	Other_EL50*5	XY-Symmetry	Sd12S	SdCA2.3S	3	6	1	2.529	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
92	CA2.12.2	Other_EL50*5	XY-Symmetry	SdCA2.3S	CA2.2P	3	6	1	1.654	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
93	CA2.13	Other_EL45*5	XY-Symmetry	SdCA2.1S	SdCA2.3S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
94	CA1.12.1	Other_EL50*5	XY-Symmetry	DP	SdCA1.3S	3	6	1	2.11	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
95	CA1.12.2	Other_EL50*5	XY-Symmetry	SdCA1.3S	CA1.2P	3	6	1	1.903	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
96	CA1.14	Other_EL45*5	XY-Symmetry	SdCA1.3S	SdCA1.1.S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
97	CA1.1.1	UNP120(B)	XY-Symmetry	CA1.1P	SdCA1.4S	3	5	2	1	1	M20&4.6_M	1	1	1	Long only	6	0	3.5	0	0	0	0
98	CA1.1.2	UNP120(B)	XY-Symmetry	CA1.1P	SdCA1.5S	3	5	2	1	1	M20&4.6_M	2	2.63	1	Long only	6	0	3	7	0	0	0
99	CA1.15	Other_EL45*5	X-Symmetry	DP	DY	3	8	1	1	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0

100	CA1.16	Other_EL45*5	Y-Symmetry	DP	DX	3	8	1	1	1	M16&4.6	2	1	1	Short only	2	0	3	5.5	0	0	0
101	CA1.3	Other_EL45*5	XY-Symmetry	SdCA1.4S	SdCA1.5S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
102	CA2.1.1	UNP120(B)	XY-Symmetry	CA2.1P	SdCA2.4S	3	6	2	1	1	M20&4.6_M	2	2	1	Long only	6	0	3.5	14	0	0	0
103	CA2.2	UNP120(B)	XY-Symmetry	CA2.1P	SdCA2.5S	3	6	2	1	1	M20&4.6_M	2	1.63	1	Long only	6	0	3	14	0	0	0
104	CA2.3	Other_EL45*5	XY-Symmetry	SdCA2.4S	SdCA2.5S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
105	CA2.14	Other_EL45*5	X-Symmetry	Sd12S	Sd12Y	3	7	1	1	1	M16&4.6	1	1	2	Short only	2	0	2.7	0	0	0	0
106	CA3.1.1	UNP120(B)	XY-Symmetry	CP	SdCA3.7S	3	6	2	1	1	M22&4.6	3	1.5	1	Long only	6	0	3	10	0	0	0
107	CA3.2	UNP120(B)	XY-Symmetry	CP	SdCA3.8S	3	6	2	1	1	M22&4.6	3	1.46	1	Long only	6	0	3	10	0	0	0
108	CA3.3_Mod	Mod_EL_60*6	XY-Symmetry	SdCA3.8S	SdCA3.7S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
109	CA3.19	Other_EL50*5	X-Symmetry	Sd10S	Sd10Y	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
110	CA3.20	Other_EL50*5	Y-Symmetry	Sd10S	Sd10X	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
111	CA1.13	Other_EL45*5	XY-Symmetry	DP	SdCA1.1.S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
112	CA2.15	Other_EL45*5	Y-Symmetry	Sd12S	Sd12X	3	7	1	1	1	M16&4.6	1	1	2	Short only	2	0	2.7	0	0	0	0
113	CA2.11	Other_EL45*5	XY-Symmetry	SdCA2.1S	Sd12S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
114	Leg3.5	L3	XY-Symmetry	Sd13S	Sd12S	1	4	1	1	1	M16&4.6	0	2	0	Continuous	0	0	0	0	0	0	0
115	Leg3.4	L3	XY-Symmetry	Sd12S	CA2.1P	1	4	1	1	1	M20&4.6_M	0	2	0	Continuous	0	0	0	0	0	0	0
116	CA3.4	Other_EL45*5	None	SdCA3.7X	SdCA3.7S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
117	CA2.4	Other_EL45*5	None	SdCA2.4X	SdCA2.4S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
118	CA1.4	Other_EL45*5	None	SdCA1.4X	SdCA1.4S	3	7	1	1	1	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
119	Leg2.1	L2	XY-Symmetry	Sd6S	Sd7S	1	6	0.5	0.5	0.5	M20&8.8	8	2	1	Both	4	8	4	8	0	0	0
120	BRACING5-6	CD_EL_50*5	X-Symmetry	Sd5S	Sd5XY	3	7	0.5	0.75	0.5	M16&4.6	1	1	1	Short only	2	0	3	0	0	0	0
121	BRACINGD-T	CD_EL_45*5	X-Symmetry	DX	DY	3	7	0.5	0.75	0.5	M16&4.6	1	1	1	Short only	2	0	2.9	0	0	0	0
122	CA1.1.5	UNP120(B)	XY-Symmetry	SdCA1.1S	SdCA1.1.S	3	4	4.276	3.05	1	M20&4.6_M	0	1	0	Continuous	0	0	0	0	0	0	0

Row #	Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (MPa)	Max Usage %	Usage Cont- rol	Max Use In Comp. %	Comp. Control Member	Comp. Force (kN)	Comp. Control Load Case	L/r Capacity (kN)	Comp. Connect. Shear Capacity (kN)	Comp. Connect. Bearing Capacity (kN)	RLX	RLY	RLZ	L/r	KL/r	Length Comp. Member (m)	Curve No.	No. Of Bolts Comp.	Bolt Type Comp.	Max Use In Tens. %	Tension Control Member	Tension Force (kN)	Tension Control Load Case	Net Section Capacity (kN)	Tension Connect. Shear Capacity (kN)	Tension Connect. Bearing Capacity (kN)	Tension Connect. Rupture Capacity (kN)	Length Tens. Member (m)	No. Of Bolts Tens.	Bolt Type Tens.	No. Of Holes	Hole Diameter (cm)
1	L1	Leg 160*15	SAE	160*160*15	235	98.64	Tens	98.51	Leg1.2XY	-1062.3	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	1078.34	0	0	0.33	0.33	0.33	21.45	0.21	2.034	1	0	M20&4.6_M	98.64	Leg1.2P	1012.693	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	1026.691	0	0	0	2.034	0	M20&4.6_M	2	2.15
2	L2	Leg 130*14	SAE	130*130*14	235	98.22	Comp	98.22	Leg2.2XY	-641.727	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	653.355	0	0	1	1	1	64.93	0.64	1.643	1	0	M20&4.6_M	97.5	Leg2.1P	703.578	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	721.613	965.12	1209.6	0	1.69	8	M20&8.8	2	2.2
3	L3	Leg 90*11	SAE	90*90*11	235	103.19	Comp	103.19	Leg3.1XY	-301.155	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	319.673	291.84	522.72	1	1	1	81.1	0.8	1.395	1	4	M22&4.6	96.4	Leg3.1P	281.336	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	348.365	291.84	522.72	0	1.395	4	M22&4.6	2	2.4
4	L4	Leg 60*6	SAE	60*60*6	235	27.82	Comp	27.82	Leg3.9X	-17.456	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	62.746	77.28	103.68	1	1	1	135.86	1.39	1.59	8	2	M16&4.6	20.99	Leg3.9Y	16.22	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	80.389	77.28	103.68	0	1.59	2	M16&4.6	1	1.75
5	UNP120(B)	UNP 120 Beam	UNP_TRUE	120	235	83.07	Tens	82.17	CA1.11Y	-94.172	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	186.009	114.608	151.2	1	1.31	1	93.11	1.1	1.13	5	2	M20&4.6_M	83.07	CA1.11X	95.2	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	197.708	114.608	151.2	0	1.13	2	M20&4.6_M	2	2.15
6	HEA120(T)	HE 120 Truss	HE_TRUE	120	235	20.13	Tens	0.1	CA3.14X	-0.152	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	486.56	154.56	172.8	1	1	1	22.19	0.51	0.67	8	4	M16&4.6	20.13	CA2.10X	31.108	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	353.931	154.56	172.8	0	0.51	4	M16&4.6	2	1.75
7	CD_EL_45*5	Crossing_Diagonal_Equal_L_45*5	SAE	45*45*5	235	20.18	Tens	16.78	Bracing18.1XY	-6.484	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	51.214	38.64	43.2	0.53	0.53	0.53	74	0.94	1.211	7	1	M16&4.6	20.18	Bracing18.1P	7.799	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	98.64	38.64	43.2	0	1.211	1	M16&4.6	1	1.75
8	CD_EL_50*5	Crossing_Diagonal_Equal_L_50*5	SAE	50*50*5	235	99.56	Tens	95.91	Bracing15.1X	-37.059	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	52.06	38.64	43.2	0.53	0.53	0.53	89.28	1.03	1.634	7	1	M16&4.6	99.56	Bracing15.1P	38.469	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	113.04	38.64	43.2	0	1.634	1	M16&4.6	1	1.75
9	CD_EL_50*6	Crossing_Diagonal_Equal_L_50*6	SAE	50*50*6	235	90.83	Tens	86.12	Bracing17.1X	-44.642	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	67.958	77.2	51.84	0.53	0.53	0.53	73.34	0.94	1.337	7	1	M16&8.8	90.83	Bracing17.1P	47.088	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	132.854	77.2	51.84	0	1.337	1	M16&8.8	1	1.8
10	CD_EL_55*6	Crossing_Diagonal_Equal_L_55*6	SAE	55*55*6	235	92.57	Tens	86.79	Bracing13.1X	-67.07	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	80.801	77.28	103.68	0.53	0.53	0.53	95.9	1.08	1.918	8	2	M16&4.6	92.57	Bracing13.1P	66.783	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	72.144	77.28	103.68	0	1.918	2	M16&4.6	1	1.75
11	CD_EL_75*8	Crossing_Diagonal_Equal_L_75*8	SAE	75*75*8	235	84.84	Tens	82.61	Bracing8.1X	-94.672	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	139.343	114.608	172.8	0.52	0.52	0.52	102.05	1.13	2.865	8	2	M20&4.6_M	84.84	Bracing8.1P	97.234	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	137.505	114.608	172.8	0	2.865	2	M20&4.6_M	1	2.15
12	CD_EL_80*8	Crossing_Diagonal_Equal_L_80*8	SAE	80*80*8	235	53.26	Comp	53.26	Bracing2.1X	-57.911	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	108.727	114.608	172.8	0.52	0.52	0.52	138.92	1.41	4.168	8	2	M20&4.6_M	51.04	Bracing2.1P	58.49	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	149.094	114.608	172.8	0	4.168	2	M20&4.6_M	1	2.15
13	Other_EL45*5	Other_Element_Equal_L_45*5	SAE	45*45*5	235	63.48	Comp	63.48	CA2.3Y	-23.958	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	37.743	38.64	43.2	1	1	1	114.03	1.22	0.989	7	1	M16&4.6	62.93	CA1.3P	24.316	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	98.64	38.64	43.2	0	0.651	1	M16&4.6	1	1.75
14	Other_EL50*5	Other_Element_Equal_L_50*5	SAE	50*50*5	235	74.15	Tens	50.99	CA3.19P	-12.84	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	25.181	38.64	43.2	1	1	1	176.29	1.7	1.71	7	1	M16&4.6	74.15	CA3.20Y	28.652	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	113.04	38.64	43.2	0	1.71	1	M16&4.6	1	1.75
15	Other_EL55*6	Other_Element_Equal_L_55*6	SAE	55*55*6	235	72.54	Comp	72.54	CA1.5X	-28.03	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	46.978	38.64	51.84	1	1	1	132.95	1.37	1.409	7	1	M16&4.6	65.12	CA1.7X	37.316	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	144.288	57.304	64.8	0	1.262	1	M20&4.6_M	1	2.15
16	Ot_UL65*50*7	Other_Element_Unequal_L_65*50*7	SAE	65*50*7	235	89.14	Comp	89.14	CA1.9X	-51.084	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	70.183	57.304	75.6	1	1	1	106.78	1.18	1.132	7	1	M20&4.6_M	19.21	CA1.9P	11.01	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	175.536	57.304	75.6	0	1.132	1	M20&4.6_M	1	2.15
17	Ot_UL75*50*7	Other_Element_Unequal_L_75*50*7	SAE	75*50*7	235	74.44	Tens	52.99	CA2.5X	-20.475	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	43.515	38.64	60.48	1	1	1	176.53	1.7	1.907	7	1	M16&4.6	74.44	CA2.7X	28.765	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	204.048	38.64	60.48	0	1.482	1	M16&4.6	1	1.75
18	Other_EL65*7	Other_Element_Equal_L_65*7	SAE	65*65*7	235	84.69	Tens	72.38	CA2.9X	-52.812	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	82.119	72.96	83.16	1	1	1	105.6	1.16	1.331	7	1	M22&4.6	84.69	CA3.11X	32.722	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	215.194	38.64	60.48	0	1.671	1	M16&4.6	1	1.75
19	Other_EL70*7	Other_Element_Equal_L_70*7	SAE	70*70*7	235	71.22	Tens	14.66	CA3.7P	-9.648	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	65.791	72.96	83.16	1	1	1	140.4	1.42	1.909	7	1	M22&4.6	71.22	CA3.7X	51.961	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	222.25	72.96	83.16	0	1.909	1	M22&4.6	1	2.4

20	Other_EL75*7	Other_Element_Equal_L_75*7	SAE	75*75*7	235	78.96	Comp	78.96	CA3.5X	-45.249	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	66.039	57.304	75.6	1	1	1	148.61	1.49	2.17	7	1	M20&4.6_M	14.03	CA3.5P	8.042	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	247.536	57.304	75.6	0	2.17	1	M20&4.6_M	1	2.15
21	Mod_EL_60*6	Modified member for quadrant	SAE	60*60*6	235	92.41	Tens	92.21	CA3.3_ModXY	-35.631	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	60.908	38.64	51.84	1	1	1	113.38	1.22	1.327	7	1	M16&4.6	92.41	CA3.3_ModX	35.705	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	168.48	38.64	51.84	0	1.327	1	M16&4.6	1	1.75
22	ModDC160*15	Modified member for legs	DC	160*160*15*2	235	99.69	Comp	99.69	Leg1.1XY	-1109.808	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	1113.229	0	0	1	1	1	34.93	0.28	2.012	1	0	M20&4.6_M	47.64	Leg1.1P	1057.932	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	2220.566	0	0	0	2.012	0	M20&4.6_M	2	2.15

Row #	Group Label	Angle Label	Max. Usage For All LC %	Max. Tens. For All LC (kN)	Max. Comp. For All LC (kN)
1	ModDC160*15	Leg1.1P	47.64	1057.932	-106.505
2	ModDC160*15	Leg1.1X	28.39	243.679	-316.015
3	ModDC160*15	Leg1.1XY	99.69	55.103	-1109.808
4	ModDC160*15	Leg1.1Y	26.47	264.614	-294.651
5	L1	Leg1.2P	98.64	1012.693	-98.323
6	L1	Leg1.2X	27.7	231.488	-298.708
7	L1	Leg1.2XY	98.51	51.629	-1062.3
8	L1	Leg1.2Y	25.77	252.286	-277.929
9	L1	Leg1.3P	94.08	965.941	-90.38
10	L1	Leg1.3X	26.85	217.93	-281.383
11	L1	Leg1.3XY	96.77	47.007	-1013.974
12	L1	Leg1.3Y	24.92	238.511	-261.136
13	L1	Leg1.4P	88.45	908.08	-81.426
14	L1	Leg1.4X	24.99	201.244	-260.892
15	L1	Leg1.4XY	91.33	41.346	-953.337
16	L1	Leg1.4Y	23.1	221.425	-241.091
17	L1	Leg1.5P	82.8	850.069	-71.888
18	L1	Leg1.5X	25.74	183.809	-239.59
19	L1	Leg1.5XY	95.79	34.945	-891.519
20	L1	Leg1.5Y	23.67	203.29	-220.315
21	L1	Leg1.6P	80.72	779.005	-61.305
22	L1	Leg1.6X	23.22	162.806	-214.976
23	L1	Leg1.6XY	88.2	27.764	-816.631
24	L1	Leg1.6Y	21.17	182.063	-195.964
25	L2	Leg2.2P	84.15	610.294	-37.179
26	L2	Leg2.2X	24.14	111.32	-157.738
27	L2	Leg2.2XY	98.22	9.024	-641.727
28	L2	Leg2.2Y	21.38	129.88	-139.71
29	L2	Leg2.3P	71.62	519.441	-30.588
30	L2	Leg2.3X	21.08	80.725	-139.471
31	L2	Leg2.3XY	82.55	4.053	-546.301
32	L2	Leg2.3Y	16.37	111.017	-108.358
33	L2	Leg2.4P	66.09	385.758	-24.972
34	L2	Leg2.4X	19.62	42.331	-114.518
35	L2	Leg2.4XY	69.67	2.23	-406.636
36	L2	Leg2.4Y	15.72	91.752	-65.816
37	L3	Leg3.1P	96.4	281.336	-24.907
38	L3	Leg3.1X	32.77	15.688	-95.632
39	L3	Leg3.1XY	103.19	1.677	-301.155
40	L3	Leg3.1Y	25.73	75.102	-37.773
41	L3	Leg3.2P	64.34	247.998	-18.803
42	L3	Leg3.2X	27.09	13.649	-86.935
43	L3	Leg3.2XY	81.82	3.92	-262.562
44	L3	Leg3.2Y	18.67	71.964	-30.055
45	L3	Leg3.3P	49.41	179.16	-13.601
46	L3	Leg3.3X	20.74	6.961	-71.312
47	L3	Leg3.3XY	55.33	3.461	-190.256
48	L3	Leg3.3Y	16.53	59.954	-17.997
49	L3	Leg3.6P	17.68	68.158	-8.739
50	L3	Leg3.6X	10.84	3.416	-41.229
51	L3	Leg3.6XY	19.12	2.228	-72.702
52	L3	Leg3.6Y	9.61	37.032	-9.133
53	L3	Leg3.7P	6.04	21.919	-6.649
54	L3	Leg3.7X	7.57	0	-29.109
55	L3	Leg3.7XY	6.33	0.332	-24.32
56	L3	Leg3.7Y	7.86	28.518	-5.16
57	L3	Leg3.8P	6.43	1.699	-9.932

58	L3	Leg3.8X	14.14	0	-21.851
59	L3	Leg3.8XY	3.44	5.318	-4.931
60	L3	Leg3.8Y	11.58	17.904	-4.466
61	L4	Leg3.9P	6.84	2.539	-4.293
62	L4	Leg3.9X	27.82	0.377	-17.456
63	L4	Leg3.9XY	6.06	4.28	-3.801
64	L4	Leg3.9Y	20.99	16.22	-0.552
65	CD_EL_80*8	Bracing1.1P	43.12	49.417	-20.917
66	CD_EL_80*8	Bracing1.1X	48.1	20.888	-49.436
67	CD_EL_80*8	Bracing1.1XY	45.82	24.267	-47.089
68	CD_EL_80*8	Bracing1.1Y	40.64	46.582	-24.809
69	CD_EL_80*8	Bracing1.2P	37.19	42.624	-29.373
70	CD_EL_80*8	Bracing1.2X	39.32	45.063	-27.468
71	CD_EL_80*8	Bracing1.2XY	44.47	26.81	-45.71
72	CD_EL_80*8	Bracing1.2Y	41.29	29.558	-42.434
73	CD_EL_80*8	Bracing2.1P	51.04	58.49	-24.163
74	CD_EL_80*8	Bracing2.1X	53.26	24.772	-57.911
75	CD_EL_80*8	Bracing2.1XY	51.43	27.986	-55.918
76	CD_EL_80*8	Bracing2.1Y	47.58	54.53	-29.322
77	CD_EL_80*8	Bracing2.2P	44.24	50.697	-33.915
78	CD_EL_80*8	Bracing2.2X	45.83	52.531	-32.671
79	CD_EL_80*8	Bracing2.2XY	50.02	30.866	-54.389
80	CD_EL_80*8	Bracing2.2Y	45.41	35.269	-49.37
81	CD_EL_75*8	Bracing3.1P	52.54	60.216	-26.318
82	CD_EL_75*8	Bracing3.1X	60.21	24.95	-61.58
83	CD_EL_75*8	Bracing3.1XY	56.08	30.372	-57.36
84	CD_EL_75*8	Bracing3.1Y	51.02	58.469	-29.366
85	CD_EL_75*8	Bracing3.2P	44.75	51.281	-37.294
86	CD_EL_75*8	Bracing3.2X	49.69	56.95	-32.244
87	CD_EL_75*8	Bracing3.2XY	53.88	34.026	-55.11
88	CD_EL_75*8	Bracing3.2Y	52.17	35.19	-53.359
89	CD_EL_75*8	Bracing4.1P	58.91	67.519	-27.905
90	CD_EL_75*8	Bracing4.1X	62	28.787	-66.609
91	CD_EL_75*8	Bracing4.1XY	60.21	32.102	-64.686
92	CD_EL_75*8	Bracing4.1Y	55.07	63.111	-33.564
93	CD_EL_75*8	Bracing4.2P	50.99	58.44	-39.3
94	CD_EL_75*8	Bracing4.2X	53.13	60.889	-37.363
95	CD_EL_75*8	Bracing4.2XY	58.42	35.517	-62.756
96	CD_EL_75*8	Bracing4.2Y	52.9	40.844	-56.827
97	CD_EL_75*8	Bracing5.1P	61.99	71.046	-31.077
98	CD_EL_75*8	Bracing5.1X	63.19	29.73	-72.424
99	CD_EL_75*8	Bracing5.1XY	59.28	35.383	-67.942
100	CD_EL_75*8	Bracing5.1Y	60.14	68.922	-34.749
101	CD_EL_75*8	Bracing5.2P	53.05	60.802	-43.665
102	CD_EL_75*8	Bracing5.2X	58.09	66.572	-38.463
103	CD_EL_75*8	Bracing5.2XY	57.37	39.262	-65.756
104	CD_EL_75*8	Bracing5.2Y	54.49	42.135	-62.45
105	CD_EL_75*8	Bracing6.1P	70.1	80.342	-35.485
106	CD_EL_75*8	Bracing6.1X	69.51	35.985	-79.663
107	CD_EL_75*8	Bracing6.1XY	67.35	40.308	-77.19
108	CD_EL_75*8	Bracing6.1Y	65.26	74.788	-42.021
109	CD_EL_75*8	Bracing6.2P	59.15	67.786	-45.207
110	CD_EL_75*8	Bracing6.2X	62.47	71.596	-41.761
111	CD_EL_75*8	Bracing6.2XY	63.38	40.544	-72.64
112	CD_EL_75*8	Bracing6.2Y	58.61	45.576	-67.171
113	CD_EL_75*8	Bracing7.1P	75.14	86.12	-39.693
114	CD_EL_75*8	Bracing7.1X	76.71	38.148	-87.914
115	CD_EL_75*8	Bracing7.1XY	70.89	45.514	-81.246

116	CD_EL_75*8	Bracing7.1Y	73.51	84.246	-43.822
117	CD_EL_75*8	Bracing7.2P	63.45	72.721	-49.811
118	CD_EL_75*8	Bracing7.2X	68.71	78.75	-44.178
119	CD_EL_75*8	Bracing7.2XY	68.19	45.018	-78.153
120	CD_EL_75*8	Bracing7.2Y	64.56	48.924	-73.99
121	CD_EL_75*8	Bracing8.1P	84.84	97.234	-41.874
122	CD_EL_75*8	Bracing8.1X	82.61	43.951	-94.672
123	CD_EL_75*8	Bracing8.1XY	82.06	47.301	-94.05
124	CD_EL_75*8	Bracing8.1Y	77.14	88.407	-50.895
125	CD_EL_75*8	Bracing8.2P	71.41	81.845	-53.883
126	CD_EL_75*8	Bracing8.2X	74.87	85.802	-49.96
127	CD_EL_75*8	Bracing8.2XY	76.06	48.108	-87.174
128	CD_EL_75*8	Bracing8.2Y	69.7	55.072	-79.882
129	CD_EL_75*8	Bracing9.1P	66.33	104.182	-50.164
130	CD_EL_75*8	Bracing9.1X	74.14	45.765	-109.338
131	CD_EL_75*8	Bracing9.1XY	65.85	57.281	-97.115
132	CD_EL_75*8	Bracing9.1Y	67.54	106.074	-51.968
133	CD_EL_75*8	Bracing9.2P	56.04	88.012	-62.184
134	CD_EL_75*8	Bracing9.2X	61.88	97.193	-53.15
135	CD_EL_75*8	Bracing9.2XY	64.63	55.816	-95.32
136	CD_EL_75*8	Bracing9.2Y	62.4	59.362	-92.021
137	CD_EL_75*8	Bracing10.1P	78.13	122.701	-50.002
138	CD_EL_75*8	Bracing10.1X	74.2	56.353	-114.943
139	CD_EL_75*8	Bracing10.1XY	77.76	55.758	-120.454
140	CD_EL_75*8	Bracing10.1Y	67.09	105.369	-65.255
141	CD_EL_75*8	Bracing10.2P	65.57	102.987	-65.605
142	CD_EL_75*8	Bracing10.2X	67.08	105.36	-62.849
143	CD_EL_75*8	Bracing10.2XY	70.1	58.26	-108.585
144	CD_EL_75*8	Bracing10.2Y	62.6	69.568	-96.97
145	CD_EL_55*6	Bracing11.1P	86.99	62.755	-15.858
146	CD_EL_55*6	Bracing11.1X	64.68	32.529	-44.908
147	CD_EL_55*6	Bracing11.1XY	77.37	18.771	-53.721
148	CD_EL_55*6	Bracing11.1Y	50.76	36.622	-29.55
149	CD_EL_55*6	Bracing11.2P	73.07	52.718	-27.237
150	CD_EL_55*6	Bracing11.2X	56.48	40.746	-38.78
151	CD_EL_55*6	Bracing11.2XY	83.72	21.301	-58.134
152	CD_EL_55*6	Bracing11.2Y	57.45	41.449	-37.601
153	CD_EL_55*6	Bracing12.1P	86.37	62.312	-27.236
154	CD_EL_55*6	Bracing12.1X	83.58	28.741	-61.492
155	CD_EL_55*6	Bracing12.1XY	72.94	35.725	-53.665
156	CD_EL_55*6	Bracing12.1Y	83.03	59.898	-31.497
157	CD_EL_55*6	Bracing12.2P	72.43	52.257	-39.43
158	CD_EL_55*6	Bracing12.2X	78.19	56.41	-35.223
159	CD_EL_55*6	Bracing12.2XY	79.09	33.814	-58.185
160	CD_EL_55*6	Bracing12.2Y	71.39	39.925	-52.522
161	CD_EL_55*6	Bracing13.1P	92.57	66.783	-30.68
162	CD_EL_55*6	Bracing13.1X	86.79	29.542	-67.07
163	CD_EL_55*6	Bracing13.1XY	84.33	33.675	-65.173
164	CD_EL_55*6	Bracing13.1Y	80.13	57.807	-38.88
165	CD_EL_55*6	Bracing13.2P	78.83	56.871	-42.81
166	CD_EL_55*6	Bracing13.2X	86.44	62.365	-37.012
167	CD_EL_55*6	Bracing13.2XY	79.5	37.614	-61.437
168	CD_EL_55*6	Bracing13.2Y	72.59	42.738	-56.098
169	CD_EL_50*5	Bracing14.1P	90.22	34.862	-11.863
170	CD_EL_50*5	Bracing14.1X	72.7	17.963	-28.09
171	CD_EL_50*5	Bracing14.1XY	75.43	13.617	-29.146
172	CD_EL_50*5	Bracing14.1Y	61.3	23.686	-16.867
173	CD_EL_50*5	Bracing14.2P	68.25	26.372	-17.4

174	CD_EL_50*5	Bracing14.2X	59.13	22.848	-20.844
175	CD_EL_50*5	Bracing14.2XY	77.8	14.001	-30.061
176	CD_EL_50*5	Bracing14.2Y	59.12	22.843	-20.95
177	CD_EL_50*5	Bracing15.1P	99.56	38.469	-17.295
178	CD_EL_50*5	Bracing15.1X	95.91	18.758	-37.059
179	CD_EL_50*5	Bracing15.1XY	89.08	21.628	-34.419
180	CD_EL_50*5	Bracing15.1Y	89.05	34.41	-21.375
181	CD_EL_50*5	Bracing15.2P	75.24	29.072	-23.486
182	CD_EL_50*5	Bracing15.2X	79.25	30.624	-21.579
183	CD_EL_50*5	Bracing15.2XY	84.34	19.771	-32.589
184	CD_EL_50*5	Bracing15.2Y	72.09	24.789	-27.857
185	CD_EL_55*6	Bracing16.1P	79.34	41.128	-20.939
186	CD_EL_55*6	Bracing16.1X	82.78	19.176	-42.913
187	CD_EL_55*6	Bracing16.1XY	72.85	24.137	-37.764
188	CD_EL_55*6	Bracing16.1Y	75.06	38.911	-23.792
189	CD_EL_55*6	Bracing16.2P	59.72	30.961	-27.553
190	CD_EL_55*6	Bracing16.2X	69.21	35.881	-22.152
191	CD_EL_55*6	Bracing16.2XY	66.1	23.732	-34.268
192	CD_EL_55*6	Bracing16.2Y	62.45	26.186	-32.373
193	CD_EL_50*6	Bracing17.1P	90.83	47.088	-20.644
194	CD_EL_50*6	Bracing17.1X	86.12	22.878	-44.642
195	CD_EL_50*6	Bracing17.1XY	84.26	25.387	-43.678
196	CD_EL_50*6	Bracing17.1Y	77.95	40.407	-27.092
197	CD_EL_50*6	Bracing17.2P	68.28	35.394	-28.714
198	CD_EL_50*6	Bracing17.2X	73.2	37.944	-26.269
199	CD_EL_50*6	Bracing17.2XY	76.23	24.565	-39.516
200	CD_EL_50*6	Bracing17.2Y	65.24	29.969	-33.818
201	CD_EL_45*5	Bracing18.1P	20.18	7.799	-0.552
202	CD_EL_45*5	Bracing18.1X	12.87	4.972	-2.277
203	CD_EL_45*5	Bracing18.1XY	16.78	2.068	-6.484
204	CD_EL_45*5	Bracing18.1Y	16.01	6.185	-4.44
205	CD_EL_45*5	Bracing18.2P	13.15	1.353	-5.079
206	CD_EL_45*5	Bracing18.2X	13.5	1.243	-5.215
207	CD_EL_45*5	Bracing18.2XY	10.9	4.213	-2.021
208	CD_EL_45*5	Bracing18.2Y	12.56	4.855	-1.417
209	UNP120(B)	CA3.1.2P	53.67	117.482	-42.948
210	UNP120(B)	CA3.1.2X	63.65	139.318	-27.056
211	UNP120(B)	CA3.1.2XY	37.82	6.258	-82.786
212	UNP120(B)	CA3.1.2Y	74.29	15.574	-162.602
213	UNP120(B)	CA3.1.3P	18.11	68.295	-35.859
214	UNP120(B)	CA3.1.3X	21.7	81.834	-24.535
215	UNP120(B)	CA3.1.3XY	34.11	6.247	-82.779
216	UNP120(B)	CA3.1.3Y	67	15.556	-162.585
217	UNP120(B)	CA3.1.5P	17.96	72.123	-26.138
218	UNP120(B)	CA3.1.5X	20.99	84.298	-18.48
219	UNP120(B)	CA3.1.5XY	26.78	3.824	-53.543
220	UNP120(B)	CA3.1.5Y	45.09	9.52	-90.156
221	UNP120(B)	CA3.1.6P	10.37	33.455	-21.853
222	UNP120(B)	CA3.1.6X	9.6	39.257	-16.491
223	UNP120(B)	CA3.1.6XY	25.41	3.823	-53.546
224	UNP120(B)	CA3.1.6Y	42.79	9.518	-90.157
225	UNP120(B)	CA3.1.7P	23.23	33.447	-21.858
226	UNP120(B)	CA3.1.7X	27.26	39.252	-16.498
227	UNP120(B)	CA3.1.7XY	13.01	18.741	-12.47
228	UNP120(B)	CA3.1.7Y	16.91	0	-36.444
229	HEA120(T)	CA3.14P	17.01	26.292	-0.057
230	HEA120(T)	CA3.14X	19.73	30.494	-0.152
231	Other_EL65*7	CA3.13P	59.98	9.1	-43.606

232	Other_EL65*7	CA3.13X	69.78	5.052	-50.732
233	Other_EL45*5	CA3.12P	0.36	0.14	0
234	Other_EL45*5	CA3.12X	0.34	0.13	-0.026
235	Other_EL65*7	CA3.11P	72.29	27.935	-5.979
236	Other_EL65*7	CA3.11X	84.69	32.722	-3.353
237	Other_EL45*5	CA3.10P	0.16	0.062	-0.003
238	Other_EL45*5	CA3.10X	0.12	0.047	-0.024
239	Other_EL65*7	CA3.9P	56.32	4.389	-21.763
240	Other_EL65*7	CA3.9X	65.21	2.378	-25.198
241	HEA120(T)	CA3.8P	3.64	5.632	0
242	HEA120(T)	CA3.8X	2.05	3.176	-0.04
243	HEA120(T)	CA3.8XY	2.09	3.228	-0.054
244	HEA120(T)	CA3.8Y	3.65	5.645	-0.007
245	Other_EL70*7	CA3.7P	60.78	44.346	-9.648
246	Other_EL70*7	CA3.7X	71.22	51.961	-5.448
247	Other_EL45*5	CA3.6P	1.27	0.217	-0.259
248	Other_EL45*5	CA3.6X	1.56	0.214	-0.32
249	Other_EL75*7	CA3.5P	67.7	8.042	-38.797
250	Other_EL75*7	CA3.5X	78.96	4.552	-45.249
251	UNP120(B)	CA2.1.2P	57.74	66.17	-23.479
252	UNP120(B)	CA2.1.2X	71.65	82.118	-14.995
253	UNP120(B)	CA2.1.2XY	43.85	4.991	-50.253
254	UNP120(B)	CA2.1.2Y	75.88	9.816	-86.968
255	UNP120(B)	CA2.1.3P	9.73	36.68	-16.812
256	UNP120(B)	CA2.1.3X	11.79	44.454	-11.371
257	UNP120(B)	CA2.1.3XY	20.8	5.723	-49.719
258	UNP120(B)	CA2.1.3Y	35.65	10.898	-85.206
259	UNP120(B)	CA2.1.4P	25.48	36.689	-16.816
260	UNP120(B)	CA2.1.4X	30.88	44.468	-11.374
261	UNP120(B)	CA2.1.4XY	14.11	20.312	-9.807
262	UNP120(B)	CA2.1.4Y	14.12	1.014	-32.726
263	HEA120(T)	CA2.10P	16.68	25.779	-0.104
264	HEA120(T)	CA2.10X	20.13	31.108	-0.106
265	Other_EL65*7	CA2.9P	59.55	9.286	-43.449
266	Other_EL65*7	CA2.9X	72.38	5.451	-52.812
267	Other_EL45*5	CA2.8P	0.16	0.05	-0.061
268	Other_EL45*5	CA2.8X	0.38	0.035	-0.146
269	Ot_UL75*50*7	CA2.7P	60.83	23.503	-5.14
270	Ot_UL75*50*7	CA2.7X	74.44	28.765	-2.96
271	Other_EL45*5	CA2.6P	0.55	0.069	-0.196
272	Other_EL45*5	CA2.6X	0.66	0.095	-0.232
273	Ot_UL75*50*7	CA2.5P	43.62	3.534	-16.856
274	Ot_UL75*50*7	CA2.5X	52.99	2.124	-20.475
275	UNP120(B)	CA1.11P	74.15	84.983	-27.703
276	UNP120(B)	CA1.11X	83.07	95.2	-14.472
277	UNP120(B)	CA1.11XY	49.38	6.751	-56.588
278	UNP120(B)	CA1.11Y	82.17	13.99	-94.172
279	UNP120(B)	CA1.1.3P	9.53	38.256	-15.456
280	UNP120(B)	CA1.1.3X	10.65	42.783	-9.565
281	UNP120(B)	CA1.1.3XY	22.03	7.665	-55.627
282	UNP120(B)	CA1.1.3Y	36.86	15.338	-93.067
283	UNP120(B)	CA1.1.4P	24.51	38.26	-15.458
284	UNP120(B)	CA1.1.4X	27.41	42.79	-9.565
285	UNP120(B)	CA1.1.4XY	13.08	20.419	-5.955
286	UNP120(B)	CA1.1.4Y	12.93	0	-29.419
287	HEA120(T)	CA1.10P	16.72	25.839	-0.082
288	HEA120(T)	CA1.10X	18.44	28.501	-0.084
289	Ot_UL65*50*7	CA1.9P	80.11	11.01	-45.905

290	Ot_UL65*50*7	CA1.9X	89.14	5.965	-51.084
291	Other_EL45*5	CA1.8P	0.15	0.056	-0.048
292	Other_EL45*5	CA1.8X	0.4	0.029	-0.153
293	Other_EL55*6	CA1.7P	58.1	33.292	-8.186
294	Other_EL55*6	CA1.7X	65.12	37.316	-4.315
295	Other_EL45*5	CA1.6P	0.58	0.155	-0.226
296	Other_EL45*5	CA1.6X	0.91	0.126	-0.351
297	Other_EL55*6	CA1.5P	65.26	5.944	-25.216
298	Other_EL55*6	CA1.5X	72.54	3.289	-28.03
299	Other_EL55*6	CA3.16.1P	26.5	19.118	0
300	Other_EL55*6	CA3.16.1X	26.53	19.142	0
301	Other_EL55*6	CA3.16.1XY	25.51	18.401	0
302	Other_EL55*6	CA3.16.1Y	25.68	18.527	0
303	Other_EL55*6	CA3.16.2P	26.48	19.103	0
304	Other_EL55*6	CA3.16.2X	26.51	19.128	0
305	Other_EL55*6	CA3.16.2XY	25.49	18.392	0
306	Other_EL55*6	CA3.16.2Y	25.66	18.514	0
307	Other_EL45*5	CA3.17P	1.28	0	-0.495
308	Other_EL45*5	CA3.17X	1.29	0	-0.5
309	Other_EL45*5	CA3.17XY	1.19	0	-0.459
310	Other_EL45*5	CA3.17Y	1.23	0	-0.477
311	Other_EL55*6	CA3.15P	26.93	10.407	0
312	Other_EL55*6	CA3.15X	27.69	10.699	0
313	Other_EL55*6	CA3.15XY	28.94	11.181	0
314	Other_EL55*6	CA3.15Y	26.59	10.273	0
315	Other_EL45*5	CA3.18P	0.59	0.227	0
316	Other_EL45*5	CA3.18X	0.65	0.251	0
317	Other_EL45*5	CA3.18XY	0.69	0.268	0
318	Other_EL45*5	CA3.18Y	0.7	0.27	-0.001
319	Other_EL50*5	CA2.12.1P	23.57	12.71	0
320	Other_EL50*5	CA2.12.1X	24.04	12.964	0
321	Other_EL50*5	CA2.12.1XY	25.08	13.529	0
322	Other_EL50*5	CA2.12.1Y	24.91	13.437	0
323	Other_EL50*5	CA2.12.2P	23.57	12.712	0
324	Other_EL50*5	CA2.12.2X	24.04	12.965	0
325	Other_EL50*5	CA2.12.2XY	25.09	13.532	0
326	Other_EL50*5	CA2.12.2Y	24.92	13.44	0
327	Other_EL45*5	CA2.13P	0.34	0	-0.133
328	Other_EL45*5	CA2.13X	0.34	0	-0.133
329	Other_EL45*5	CA2.13XY	0.35	0	-0.135
330	Other_EL45*5	CA2.13Y	0.35	0	-0.135
331	Other_EL50*5	CA1.12.1P	20.42	11.012	0
332	Other_EL50*5	CA1.12.1X	20.46	11.037	0
333	Other_EL50*5	CA1.12.1XY	20.74	11.189	0
334	Other_EL50*5	CA1.12.1Y	20.62	11.122	0
335	Other_EL50*5	CA1.12.2P	20.42	11.014	0
336	Other_EL50*5	CA1.12.2X	20.46	11.037	0
337	Other_EL50*5	CA1.12.2XY	20.75	11.191	0
338	Other_EL50*5	CA1.12.2Y	20.62	11.124	0
339	Other_EL45*5	CA1.14P	0.28	0	-0.108
340	Other_EL45*5	CA1.14X	0.28	0	-0.108
341	Other_EL45*5	CA1.14XY	0.28	0	-0.109
342	Other_EL45*5	CA1.14Y	0.28	0	-0.109
343	UNP120(B)	CA1.1.1P	37.29	21.366	-18.596
344	UNP120(B)	CA1.1.1X	41.76	23.929	-15.056
345	UNP120(B)	CA1.1.1XY	28.71	16.453	-9.875
346	UNP120(B)	CA1.1.1Y	27.69	15.866	-9.578
347	UNP120(B)	CA1.1.2P	74.4	85.271	-19.397

348	UNP120(B)	CA1.1.2X	69.95	80.168	-16.729
349	UNP120(B)	CA1.1.2XY	75.9	9.104	-86.984
350	UNP120(B)	CA1.1.2Y	80.29	13.343	-92.016
351	Other_EL45*5	CA1.15P	6.17	0	-3.441
352	Other_EL45*5	CA1.15X	2.71	1.177	-1.514
353	Other_EL45*5	CA1.16P	23.07	10.858	-1.166
354	Other_EL45*5	CA1.16Y	24.29	11.432	-1.117
355	Other_EL45*5	CA1.3P	62.93	24.316	-21.804
356	Other_EL45*5	CA1.3X	61.41	22.224	-23.73
357	Other_EL45*5	CA1.3XY	61.89	23.914	-22.23
358	Other_EL45*5	CA1.3Y	62.92	21.793	-24.314
359	UNP120(B)	CA2.1.1P	16.93	19.406	-19.394
360	UNP120(B)	CA2.1.1X	20.59	23.593	-13.52
361	UNP120(B)	CA2.1.1XY	16.13	18.484	-10.185
362	UNP120(B)	CA2.1.1Y	12.7	14.555	-12.509
363	UNP120(B)	CA2.2P	57.34	65.718	-16.29
364	UNP120(B)	CA2.2X	52.86	60.582	-13.733
365	UNP120(B)	CA2.2XY	58.96	4.566	-67.571
366	UNP120(B)	CA2.2Y	63.37	8.365	-72.631
367	Other_EL45*5	CA2.3P	61.96	23.941	-22.467
368	Other_EL45*5	CA2.3X	62.87	22.582	-23.729
369	Other_EL45*5	CA2.3XY	61.66	23.824	-22.569
370	Other_EL45*5	CA2.3Y	63.48	22.449	-23.958
371	Other_EL45*5	CA2.14P	19.82	0	-5.651
372	Other_EL45*5	CA2.14X	10.78	4.658	0
373	UNP120(B)	CA3.1.1P	15.38	32.353	-33.662
374	UNP120(B)	CA3.1.1X	21.63	47.342	-16.968
375	UNP120(B)	CA3.1.1XY	15.66	34.283	-2.889
376	UNP120(B)	CA3.1.1Y	8.4	16.582	-18.388
377	UNP120(B)	CA3.2P	47.09	103.064	-31.963
378	UNP120(B)	CA3.2X	41.8	91.5	-27.77
379	UNP120(B)	CA3.2XY	50.44	4.339	-110.402
380	UNP120(B)	CA3.2Y	55.27	10.537	-120.97
381	Mod_EL_60*6	CA3.3_ModP	92.12	35.348	-35.596
382	Mod_EL_60*6	CA3.3_ModX	92.41	35.705	-35.168
383	Mod_EL_60*6	CA3.3_ModXY	92.21	35.291	-35.631
384	Mod_EL_60*6	CA3.3_ModY	92.11	35.591	-35.333
385	Other_EL50*5	CA3.19P	50.99	0.634	-12.84
386	Other_EL50*5	CA3.19X	29.72	11.486	-0.784
387	Other_EL50*5	CA3.20P	55.47	21.433	-11.137
388	Other_EL50*5	CA3.20Y	74.15	28.652	0
389	Other_EL45*5	CA1.13P	7.33	2.831	0
390	Other_EL45*5	CA1.13X	7.26	2.805	0
391	Other_EL45*5	CA1.13XY	6.59	2.546	0
392	Other_EL45*5	CA1.13Y	6.67	2.576	0
393	Other_EL45*5	CA2.15P	27.3	11.793	-5.51
394	Other_EL45*5	CA2.15Y	34.69	14.988	-0.367
395	Other_EL45*5	CA2.11P	8.83	3.411	0
396	Other_EL45*5	CA2.11X	6.32	2.44	0
397	Other_EL45*5	CA2.11XY	5.19	2.006	-0.215
398	Other_EL45*5	CA2.11Y	6.66	2.574	0
399	L3	Leg3.5P	25.82	99.536	-9.965
400	L3	Leg3.5X	13.92	4.764	-50.356
401	L3	Leg3.5XY	29.65	3.121	-107.252
402	L3	Leg3.5Y	11.29	43.522	-11.258
403	L3	Leg3.4P	33.78	122.493	-13.887
404	L3	Leg3.4X	16.1	3.75	-59.428
405	L3	Leg3.4XY	36.47	2.796	-134.636

406	L3	Leg3.4Y	13.27	48.105	-15.838
407	Other_EL45*5	CA3.4P	0.87	0.011	-0.146
408	Other_EL45*5	CA2.4P	0.23	0.011	-0.058
409	Other_EL45*5	CA1.4P	0.38	0	-0.146
410	L2	Leg2.1P	97.5	703.578	-49.639
411	L2	Leg2.1X	24.68	139.04	-188.077
412	L2	Leg2.1XY	96.98	18.211	-739.061
413	L2	Leg2.1Y	22.36	157.157	-170.423
414	CD_EL_50*5	BRACING5-6P	9.58	1.743	-1.638
415	CD_EL_50*5	BRACING5-6X	6.28	2.201	-1.073
416	CD_EL_45*5	BRACINGD-TP	13.52	5.224	-2.604
417	CD_EL_45*5	BRACINGD-TX	12.82	4.952	-3.079
418	UNP120(B)	CA1.1.5P	9.22	37.042	-17.63
419	UNP120(B)	CA1.1.5X	10.36	41.61	-11.702
420	UNP120(B)	CA1.1.5XY	22.4	6.752	-56.575
421	UNP120(B)	CA1.1.5Y	37.28	13.987	-94.16

BIJLAGE C: BEREKENINGEN FUNDERING MAST

Opdrachtgever: **TenneT TSO**
Project: **EU-200 Aansluiting op 110 kV-station Eibergen Realisatie**

Sterkte- en stabiliteitsberekening
Fundering mast 21

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TEBODIN

0	04-03-2021	Eerste uitgave	G. Bastiaens	E. Counen
Rev.	Datum	Omschrijving	Opsteller	Gecontroleerd

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Bijlage 3: Uitvoer XConstruct	0	-	3-1 t/m 3-5
Bijlage 4: Beschouwde belastingen op fundering	0	-	4-1 t/m 4-15

1 Beschrijving van het project

1.1 Algemene beschrijving van het project

Als onderdeel van het project Aansluiting op 110 kV-station Eibergen zijn onder andere twee nieuwe transformatorvelden E01 en E02 voorzien. Door deze nieuwe transformatorvelden zal de oriëntatie van de geleiders aan de mast veranderen. Het gevolg is dat de belastingen op de stalen mast 21 en de bijbehorende fundering veranderen.

In dit document wordt de sterkte en stabiliteit van de bestaande fundering van mast 21 gecontroleerd. Daarnaast worden de bestaande ankers van de mast gecontroleerd op sterkte en krachtsoverdracht.

Figuur 1 Positie nieuwe portalen

1.2 Revisies

1.2.1 Revisie 0

Eerste uitgave

2 Uitgangspunten van het ontwerp

2.1 Normen & voorschriften

Deze berekening is gebaseerd op de laatste uitgave van de volgende Europese normen met Nederlandse Nationale Bijlagen:

- NEN-EN 1990 & NB Grondslagen van het constructief ontwerp
- NEN-EN 1991 & NB Belastingen op de constructies
- NEN-EN 1992 & NB Betonconstructies
- NEN-EN 1993 & NB Staalconstructies

2.2 Materialen

2.2.1 Stalen profielen

Warmgewalste profielen en platen (NEN-EN 1993-1-1 & NB)

- S355 f_y = 355 N/mm^2 f_u = 490 N/mm^2

2.2.1.1 Materiaalfactoren

Partiële factoren voor capaciteit en doorsneden van de staven
◊ Conform Art.6.1 van NEN-EN 1993-1-1/NB

- γ_{M0} = 1,0
- γ_{M1} = 1,0
- γ_{M2} = 1,25

2.2.2 Beton

2.2.2.1 Betonkwaliteit

Op tekening is K225 aangegeven, dit is vergelijkbaar met C13/16 conform NEN 8702 Tabel 1

Conform Tabel 3.1 van NEN-EN 1992-1-1

- C13/16 f_{ck} = 13 N/mm^2 $f_{ck;cube}$ = 16 N/mm^2

2.2.2.2 Kwaliteit wapeningstaal

Op tekening is QR40 aangegeven, dit is vergelijkbaar met FeB400 HW conform NEN 8702 Tabel 2

Conform Bijlage C van NEN-EN 1992-1-1/NB en NEN-EN 10080

- FeB400 HW f_{yk} = 400 N/mm^2

2.2.2.3 Partiële factoren voor materialen

Conform Art.2.4.2.4 van NEN-EN 1992-1-1/NB

Ontwerpsituaties	γ_c voor beton	γ_s voor staal
Blijvend en tijdelijk	1,5	1,15

2.3 Duurzaamheid

Specifieke aspecten met betrekking tot duurzaamheid, conservering e.d. worden (indien nodig) vermeld in specificaties of tekeningen.

2.4 Ontwerpcriteria

Ontwerplevensduur en gevolgklasse

◊ Conform PVE.05.00

- ❑ Controle van fundering conform NEN8700 op afkeurniveau 30 jaar restlevensduur

Gevolgklasse

◊ Conform PVE.05.00 AM-Req-0935

- ❑ Bouwniveau voor 1995: Gevolgklasse CC2-0

2.5 Computertoepassingen

- ❑ Scia Engineer
- ❑ XConstruct

2.6 Bijzonderheden

- ❑ Op het moment dat deze berekening gemaakt wordt, is het funderingsadvies nog niet beschikbaar. Als verticale beddings constante voor grond onder een fundering op staal wordt $k_{v;d}$ = 5,0 MN/m^3 aangehouden.
- ❑ Voor het gewicht van grond bovenop de fundering wordt γ_{grond} = 15,0 kN/m^3 aangehouden.

3 Belastingen

3.1 Algemene belastingen

3.1.1 Blijvende belastingen (BG1)

3.1.1.1 Eigen gewicht constructieve elementen

- Staal: γ_k = 78,5 kN/m^3
- Gewapend beton: γ_k = 25,0 kN/m^3

3.1.2 Permanente belasting (BG2)

- Grond: γ_k = 15,0 kN/m^3

3.1.3 Belastingen uit mast (BG3.1 en BG3.2)

De volgende reactiekrachten werkend op de fundering voor verschillende belastingcombinaties zijn afkomstig uit de berekening van de staalconstructie. Hierin zijn partiele factoren voor belastingen reeds verwerkt. In bijlage 4 staat een volledig overzicht van alle beschouwde combinaties. Hieruit zijn de volgende twee maatgevende belastinggevallen geselecteerd. Momenten uit de kolommen van de staalconstructie werkend op de fundering zijn klein en zijn niet meegenomen in deze berekening.

Knoop label	Longitudinale kracht (kN)	Transversale kracht (kN)	Verticale kracht (kN)
AP	78,6	79,2	933,0
AX	3,1	22,1	-116,3
AXY	78,6	82,0	-985,3
AY	9,3	18,6	59,1

*Tabel 1 Belastingen werkend op de fundering, LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9*

Knoop label	Longitudinale kracht (kN)	Transversale kracht (kN)	Verticale kracht (kN)
AP	88,1	77,5	981,7
AX	4,0	12,1	-45,5
AXY	77,6	89,2	-1027,3
AY	19,8	18,6	-4,6

*Tabel 2 Belastingen werkend op de fundering, LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9*

4 Belastingcombinaties

4.1 ULS - uiterste grenstoestand

Op basis van PVE.05.000 afkeurniveau 30 jaar.

4.13/NL.1 - Partial factors and combination factors (Ultimate Limit State, ULS)

"Unfit for Use" Afkeur /CC2/30j

Nr	Loadcase	Temp [°C]	γg(1)	γq			γa
			Gk	Qpk	Qwk	Qik	Ak
1a	Wind	10	1,1	-	1,22	-	-
2	Not relevant	-	-	-	-	-	-
3	Wind + ice	-5	1,1	-	0,37	1,01 (B) 0,98 (A)	-
4	Min temp + wind	-20	1,1	-	0,24	-	-
5a	Torsional loads	10	1,0	1,0	-	-	1,0
5b	Longitudinal loads	10	1,0	-	-	-	1,0
6a	Construction + maintenance	5	1,1	1,2	0,24	-	-
6b	Weight of linesmen	5	1,1	1,2	0,24	-	-
7	Permanent	10	1,20	-	-	-	-
8	Special	10	1,0	-	-	-	1,0

4.2 Buitengewone belastingcombinaties

Op basis van PVE.05.000 afkeurniveau 30 jaar.

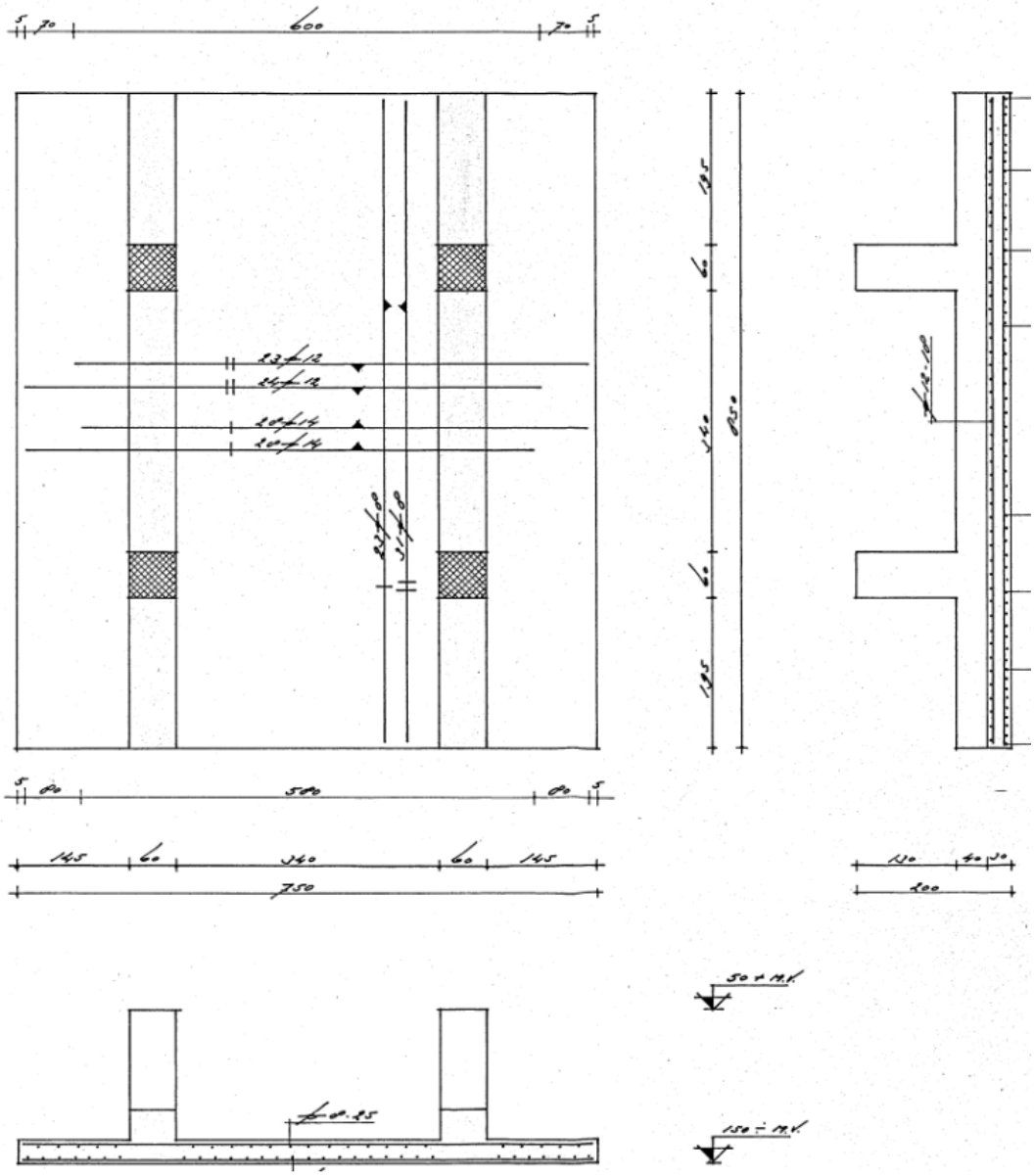
4.13/NL.2 - Partial factors and combination factors for tension supports (Special Limit State, SpLS)

"Unfit for Use" Afkeur /CC2/30j

Nr	Loadcase	Temp [°C]	γg(1)	γq			γa
			Gk	Qpk	Qwk	Qik	Ak
1a	Wind	10	1,1	-	0,78	-	-
2	Not relevant	-	-	-	-	-	-
3	Wind + ice	-5	1,1	-	0,36	0,34 (B) 0,12 (A)	-
4	Min temp + wind	-20	1,1	-	0,24	-	-
5a	Not relevant	-	-	-	-	-	-
5b	Not relevant	-	-	-	-	-	-
6a	Construction + maintenance	5	1,1	1,2	0,24	-	-
6b	Weight of linesmen	5	1,1	1,2	0,24	-	-
7	Not relevant	-	-	-	-	-	-
8	Not relevant	-	-	-	-	-	-

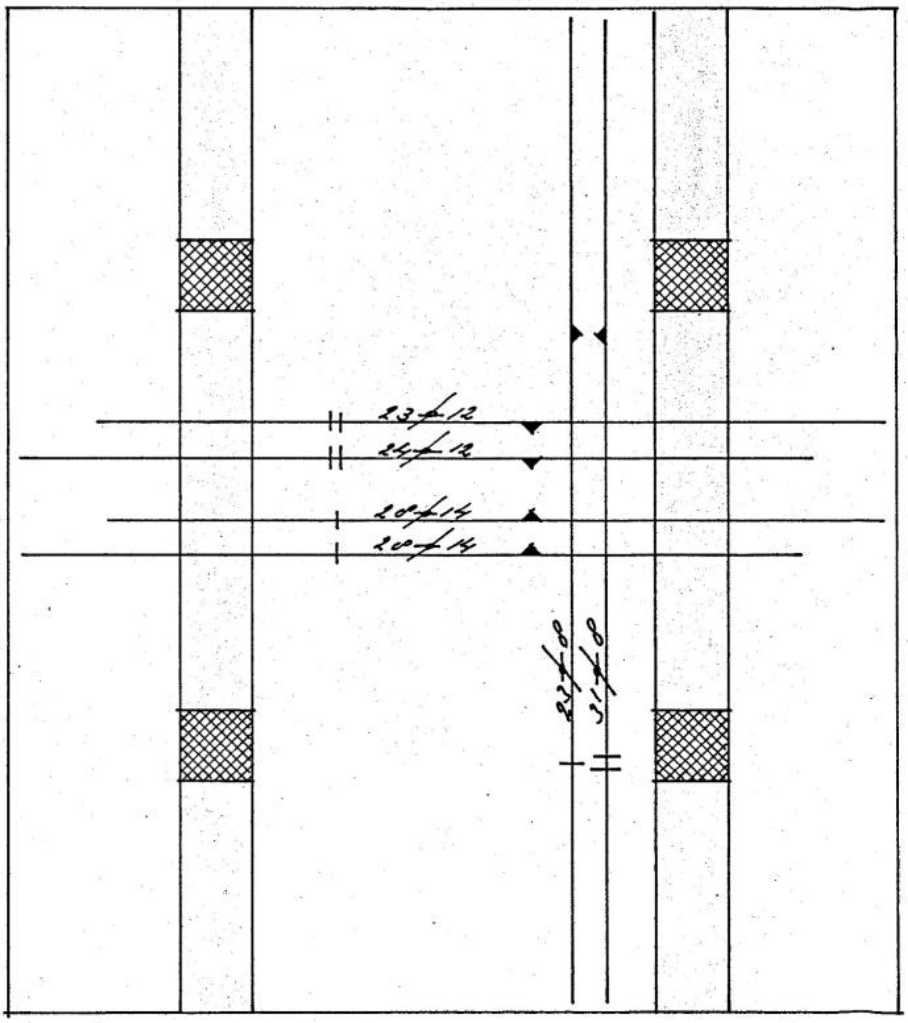
5 Schematisch overzicht

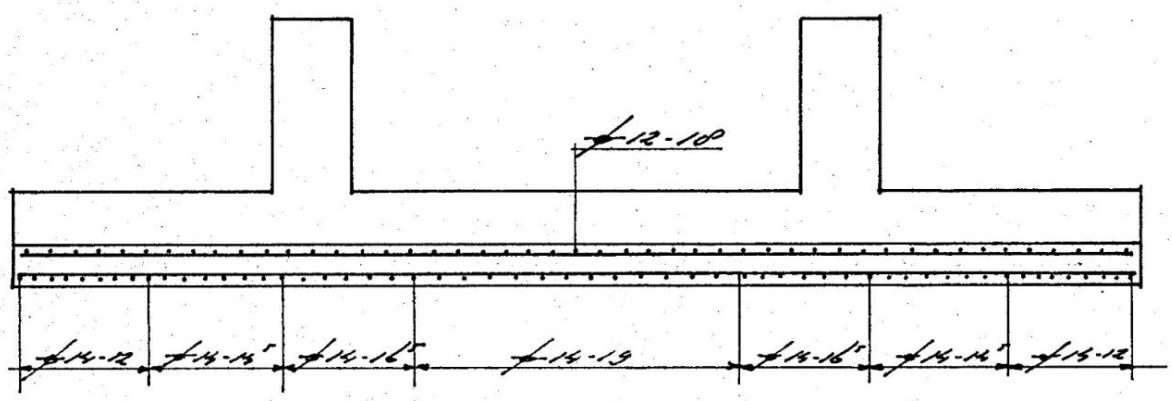
5.1 Afmetingen

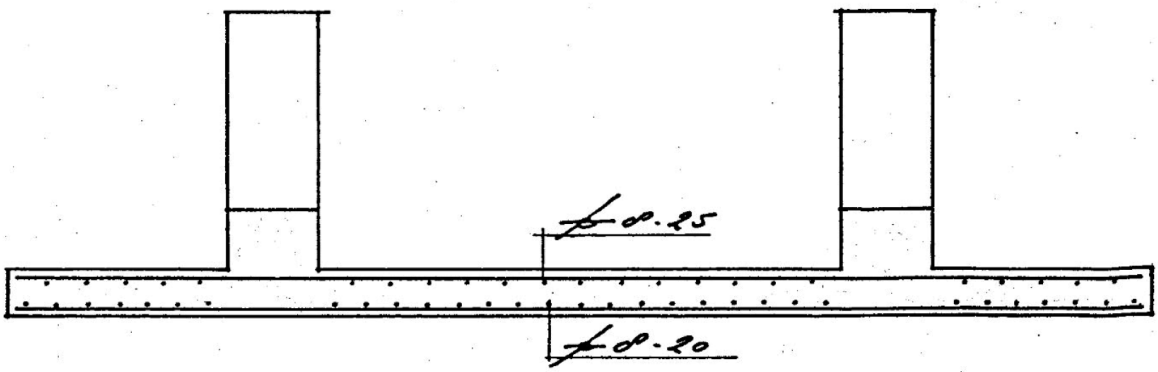


Figuur 2 Tekening fundering 90714-03-17111 1.0

5.2 Wapening


23-ϕ12
24-ϕ12
20-ϕ14
20-ϕ14
23-ϕ8
31-ϕ8


ϕ12-18
ϕ14-12
ϕ14-14
ϕ14-16
ϕ14-19
ϕ14-16
ϕ14-14
ϕ14-12



BETONKWALITEIT K 225.

STAALSOORT HOOFDWAPENINGEN FeB 40.

STAALSOORT BEUGELS FeB 24.

HOOGOVENCEMENT MIN. 325 KG/M³ BETON.

BETONDEKKINGEN:

PLAATONDERKANT 2,- cm.

PLAAT BOVENKANT 1,5 cm.

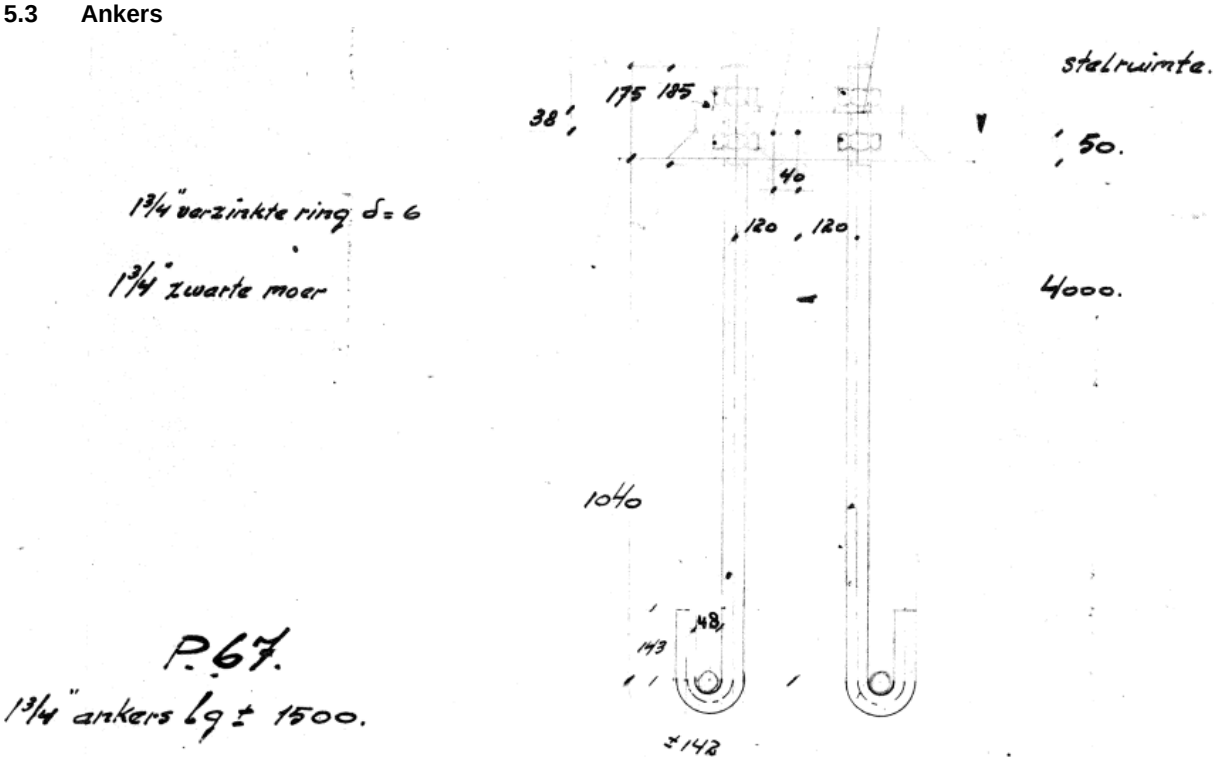
BALKEN ONDERKANT 3,- cm.

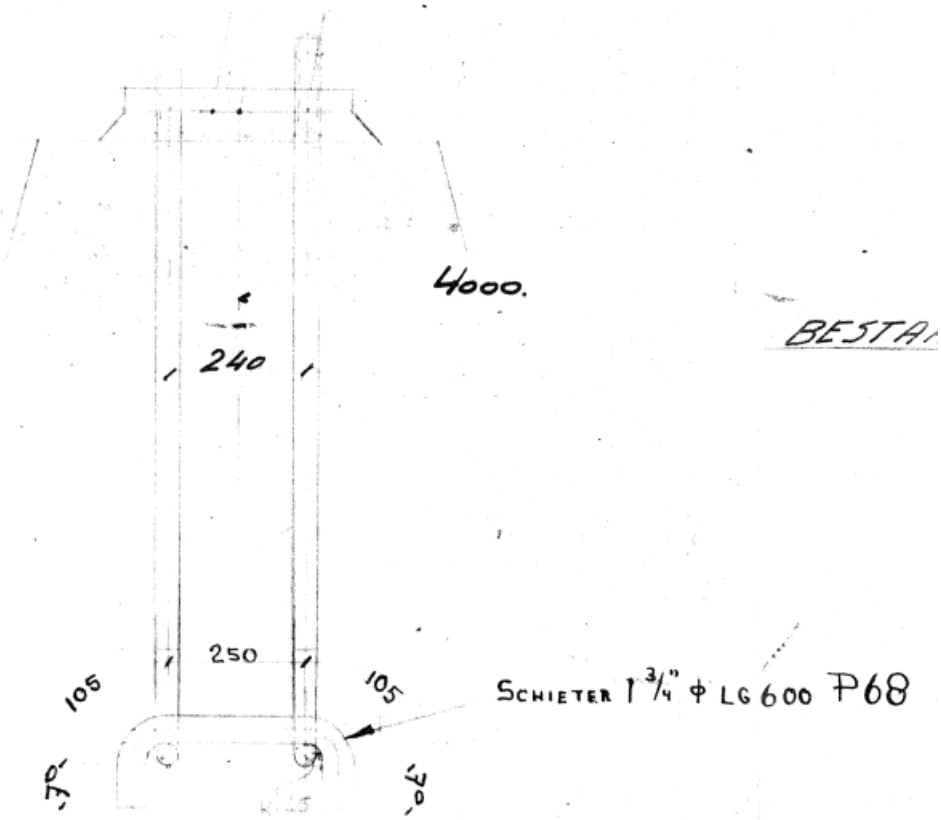
BALKEN BOVENKANT 2,5 cm.

BALKEN ZIJKANTEN 2,5 cm.

KOLOMMEN 3,- cm.

5.3 Ankers

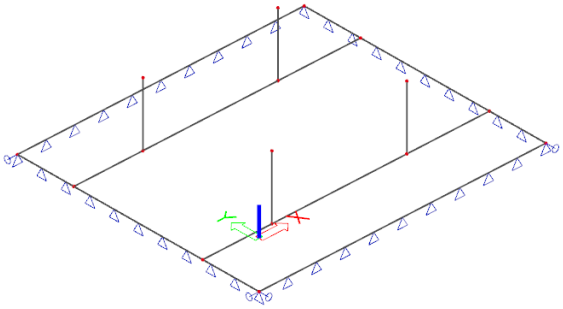

stelruimte.
175 185
38
50.
40
120 120
1¾" verzinkte ring δ = 6
1¾" zwarte moer
4000.
1040
48
143
≠ 148
P.67.
1¾" ankers lg ± 1500.

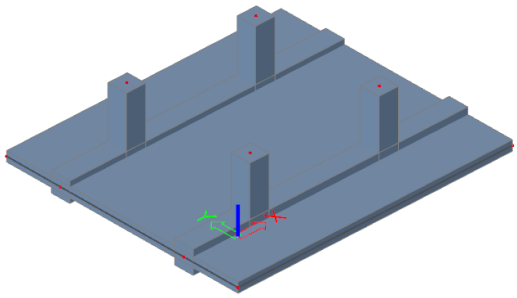

4000.
BESTA
240
250
105
105
70
70
SCHIETER 1¾" ϕ LG 600 P68

6 Berekening

6.1 Betonfundering

De constructie wordt ingevoerd in Scia Engineer. Voor de invoer en uitvoer, zie bijlage 2.

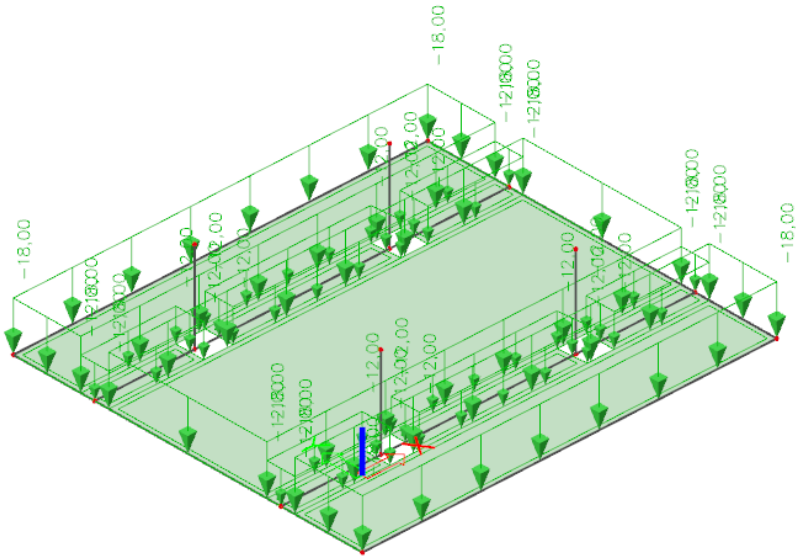




6.1.1 Blijvende belastingen (BG1)

Gewicht constructie automatisch meegenomen in Technosoft.

6.1.2 Permanente belasting (BG2)



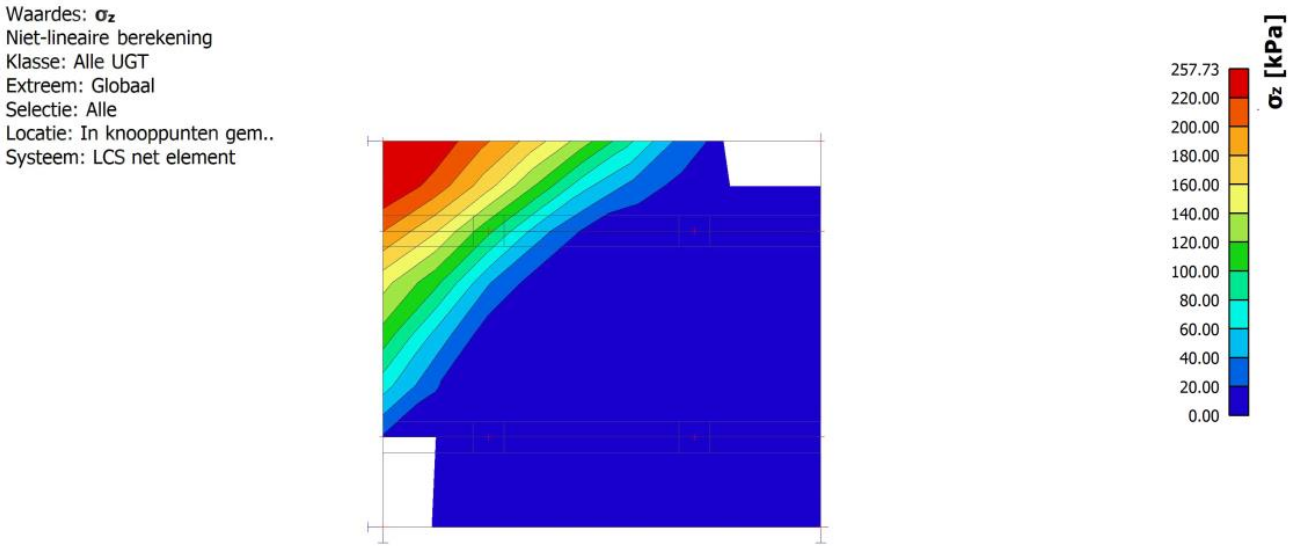
Grond op funderingsplaat: q = 1,2 m x 15,0 kN/m^3 = 18,0 kN/m^2
Grond op funderingsbalk: q = 0,8 m x 15,0 kN/m^3 = 12,0 kN/m^2

6.1.3 Belasting uit geleider (BG3-1.1 t/m BG3-2.2)

Zie 3.1.3.

6.1.4 Spanning onder fundering

De optredende spanningen onder de fundering zijn te zien in Figuur 3. Een klein deel van de fundering is onder druk, en een veel groter deel onder trek. Het deel onder trek zal lokaal los komen van de ondergrond.



Figuur 3 Spanningen onder de fundering

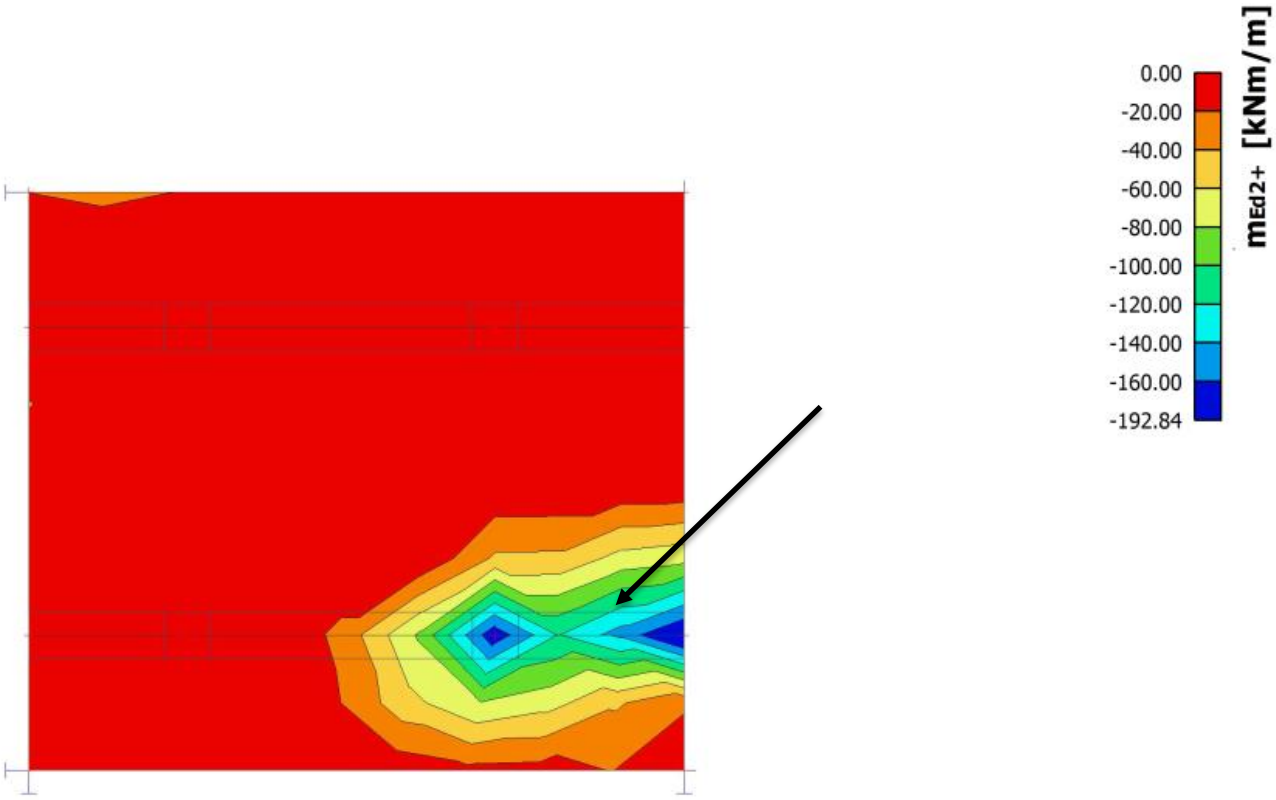
6.2 Controle wapening

Op basis van de resultaten in bijlage 2 is de wapening in de funderingsplaat haaks op de balken op de fundering gecontroleerd. Zowel de boven- als onderwapening is gecontroleerd.

Bovenwapening

In Figuur 4 is het moment in de bovenwapening te zien haaks op de balken op de fundering. Een moment van 120 kNm/m wordt getoetst. Iets grotere momenten (pieken) worden niet beschouwd. Er wordt van uitgegaan dat deze zich spreiden. De wapening in de plaat is ø12-180 met dekking 15 mm.

De doorsnede is ingevoerd in XConstruct, zie voor de invoer en uitvoer bijlage 3. Door beperkingen in de software is betonkwaliteit C16/20 aangehouden in de berekening. Dit is een niet-conservatieve benadering.

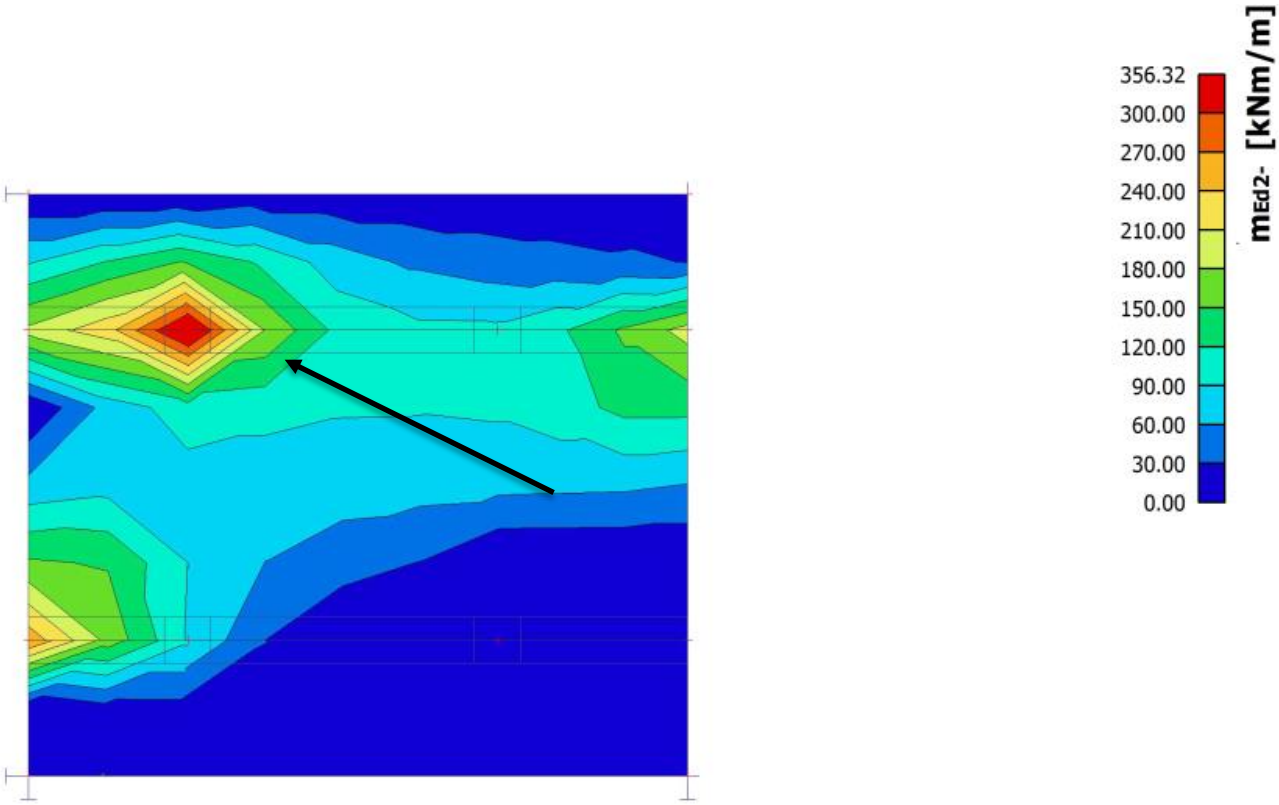


Figuur 4 Resultaten voor ULS mEd,2+, zie ook bijlage 2

Onderwapening

In Figuur 5 is het moment in de onderwapening te zien haaks op de balken op de fundering. Een moment van 150 kNm/m wordt getoetst. Iets grotere momenten (pieken) worden niet beschouwd. Er wordt van uitgegaan dat deze zich spreiden. De wapening in de plaat is ø14-190 met dekking 20 mm.

De doorsnede is ingevoerd in XConstruct, zie voor de invoer en uitvoer bijlage 3. Door beperkingen in de software is betonkwaliteit C16/20 aangehouden in de berekening. Dit is een niet-conservatieve benadering met maar zeer beperkte impact..



Figuur 5 Resultaten voor ULS mEd,2-, zie ook bijlage 2

6.3 Ankers

De bestaande ankers hebben een diameter van 1 ¾ inch. Er wordt gerekend met een diameter van 44 mm. De staalkwaliteit is onbekend, er wordt S235 aangenomen. De verankeringslengte is 1040 mm.

De maximale trekkracht in een kolom is 981,7 kN. De trekcapaciteit van het anker en de verankeringslengte worden gecontroleerd. Er zijn 4 ankers per kolomvoet aanwezig.

Trekkracht

$F_{t,d}$ = 981,7 kN / 4 = 245,4 kN

σ_{eD} = 245,4 x 10^3 N / (1/4 x π x (44 mm)^2) = 161,5 N/mm

Verankeringslengte

Ankers worden getoetst als haakankers volgens CUR/Bms-rapport 10.

η_2 = coefficient voor staafdiameter = (132 – ø) / 100 = (132 – 44) / 100 = 0,88
$l_{b,rqd}$ = (0,79 x ø x σ_{eD}) / (η_2 x $f_{ck}^{2/3}$) = (0,79 x 44 mm x 161,5 N/mm^2) / (0,88 x (13 N/mm^2)$^{2/3}$) = 1155 mm

α_1 = invloedsfactor vorm van de staaf = 0,7
α_2 = invloedsfactor betondekking = 1 – 0,15 (c_d – 3 ø) / ø ≥ 0,7 = 1 – 0,15 (158 mm – 3 x 44 mm) / 44 mm = 0,91

l_b = $l_{b,rqd}$ x 2 x α_1 x α_2 = 1155 mm x 2 x 0,7 x 0,91 ≈ 1470 mm

7 Resultaten

7.1 Betonfundering

Maximale funderingsdruk:

σ_{Ed} = 257,7 N/mm^2 ≥ 100 N/mm^2 Voldoet niet op basis van kengetallen

Een klein deel van de fundering is onder druk in de uiterste grenstoestand, en een veel groter deel onder trek. Het deel onder trek zal lokaal los komen van de ondergrond.

7.2 Controle wapening

Wapening bovenzijde plaat:

U.C. = $M_{Ed,2+}$ / M_{Rd} = 120 kNm/m / 58,6 kNm/m = 2,05 ≥ 1,0 Voldoet niet

Wapening onderzijde plaat:

U.C. = $M_{Ed,2-}$ / M_{Rd} = 150 kNm/m / 73,28 kNm/m = 2,05 ≥ 1,0 Voldoet niet

7.3 Ankers

Trek ankers:

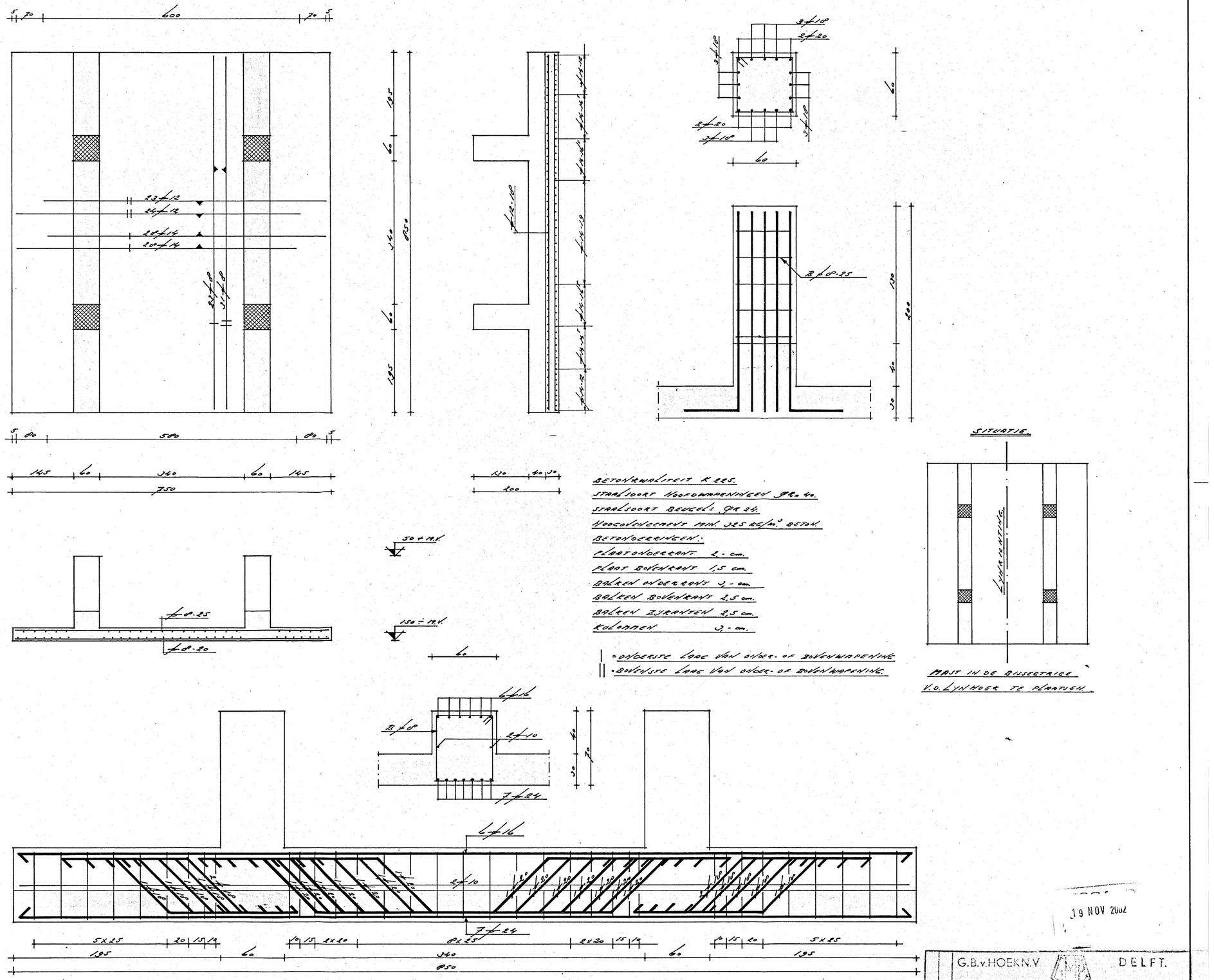
U.C. = σ_{sD} / σ_{rD} = 161,5 N/mm^2 / 235 N/mm^2 = 0,69 ≤ 1,0 Voldoet

Verankeringslengte ankers:

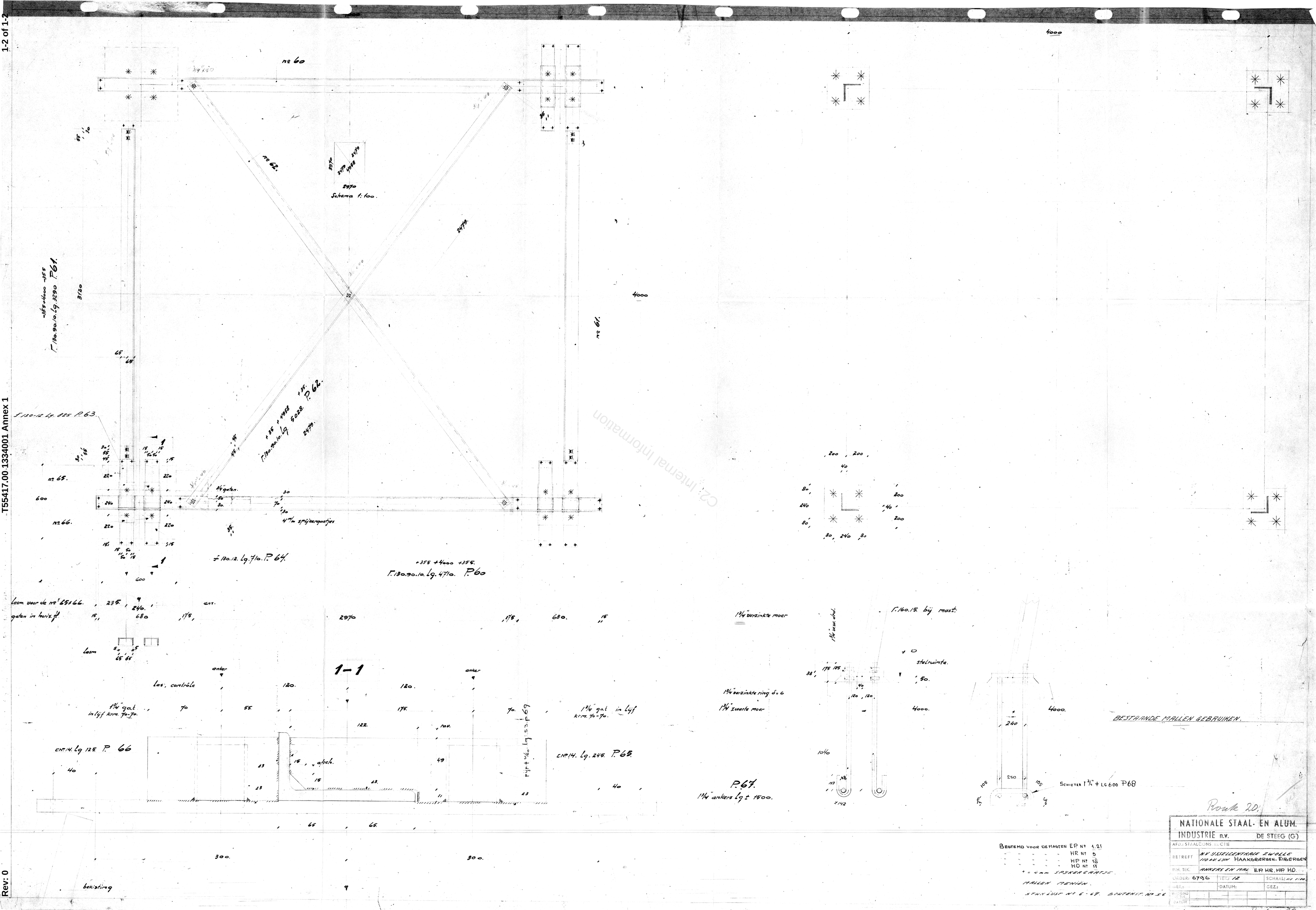
U.C. = $l_{bestaand}$ / l_b = 1040 mm / 1470 mm = 1,41 ≥ 1,0 Voldoet niet

7.4 Conclusie

Zowel de bestaande betonfundering als de bestaande ankers voldoen niet wanneer getoetst wordt op afkeurniveau 30 jaar. Versterkingen/aanpassingen zijn noodzakelijk.


BETONKWALITEIT K 225.
STAALSOORT HOOFDWAPENINGEN Gr. 40.
STAALSOORT BEUGELS Gr. 24.
HOOGOVENCEMENT MIN. 325 kg/m³ BETON.
BETONDEKKINGEN:
PLAATONDERKANT 2,- cm.
PLAAT BOVENKANT 1,5 cm.
BALKEN ONDERKANT 3,- cm.
BALKEN BOVENKANT 2,5 cm.
BALKEN ZIJKANTEN 2,5 cm.
KOLOMMEN 3,- cm.
= ONDERSTE LAAG VAN ONDER- OF BOVENWAPENING.
= BOVENSTE LAAG VAN ONDER- OF BOVENWAPENING.
SITUATIE.
LYNHOEK
MAST IN DE BISSECTRICE V.D. LYNHOEK TE PLAATSEN.
19 NOV 2002
G.B.v.HOEKN.V DELFT.
WESTVEST 53 TEL. 22882
NV. IJSSELCENTRALE - ZWOLLE.
110 KV. LIJN HAÄKSBERGEN-EIBERGEN.
FUNDATIE MAST EP 1-21
WERK NO. 6518.
BIJBEH. STATIN.
SCHAAL 1:20-1:50
5.

1-2 of 1-2
T55417.00 1334001 Annex 1
Rev: 0
C2: Internal information

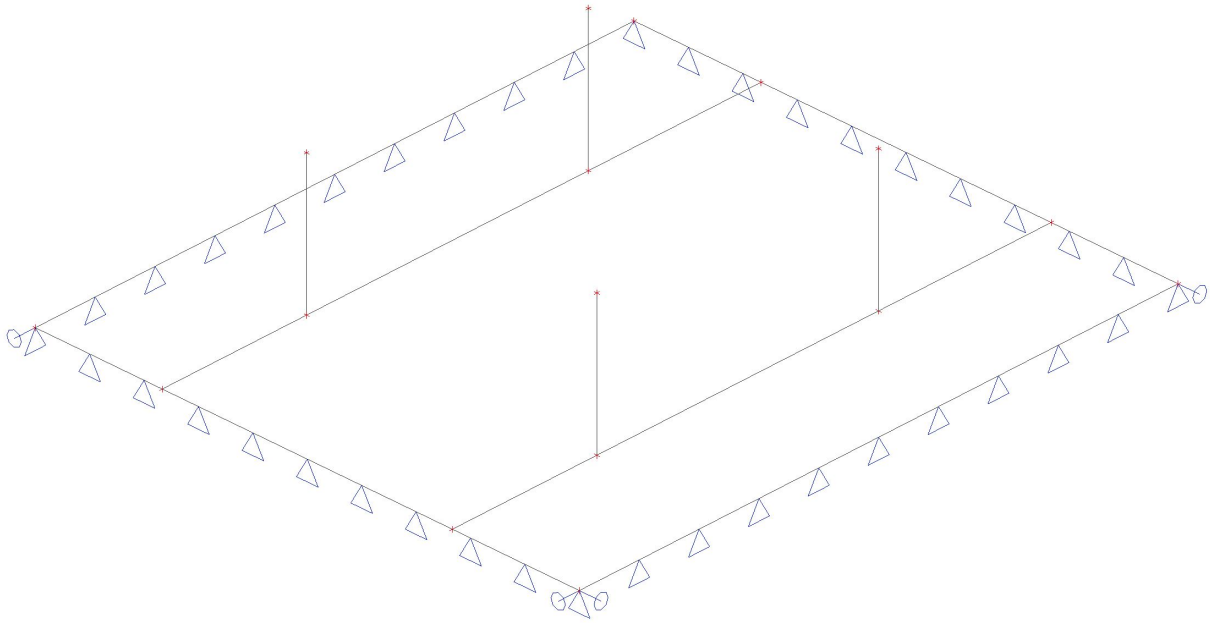


1. Overall project description

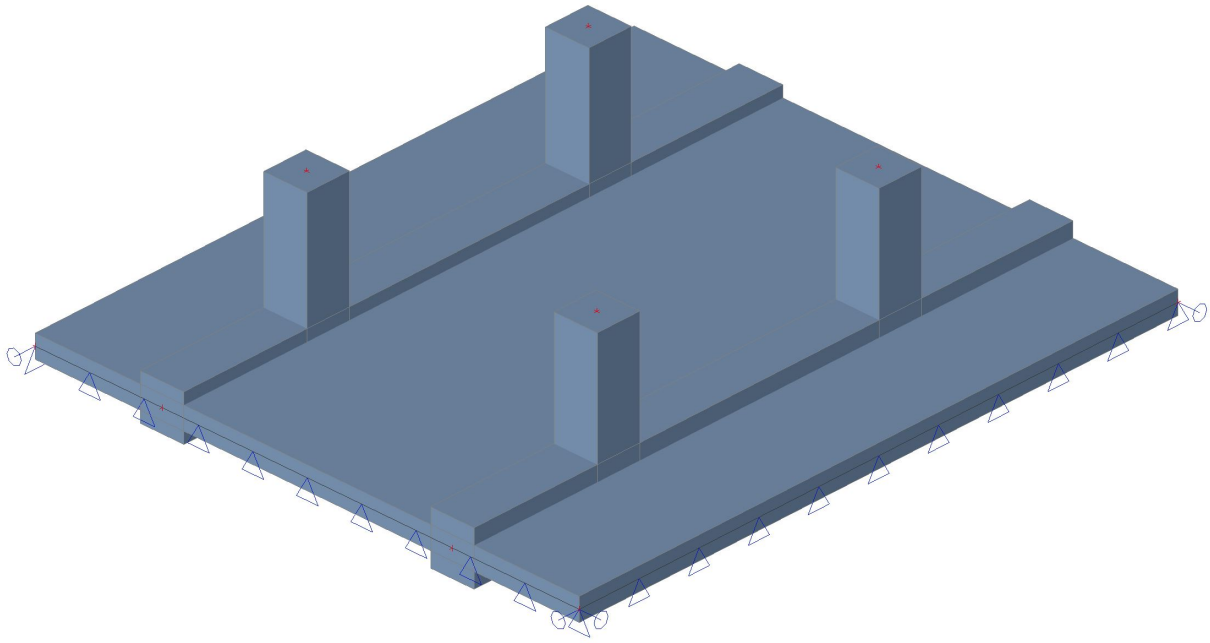
1.1. Project

Licentienaam	Bilfinger Tebodin Netherlands B.V.
Project	T55417
Onderdeel	Bijlage 2: Uitvoer Scia Engineer
Omschrijving	-
Auteur	GBSS
Datum	23. 02. 2021
Constructie	Algemeen XYZ
Aantal knopen :	16
Aantal staven :	6
Aantal platen :	1
Aantal vaste lichamen :	0
Aantal gebruikte doorsneden :	2
Aantal belastingsgevallen :	4
Aantal gebruikte materialen :	2
Gravitatieversnelling [m/s^2]	9,812
Nationale norm	EC - EN

1.2. Rekenmodel



1.3. Rekenmodel



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3. Structure

3.1. Materialen

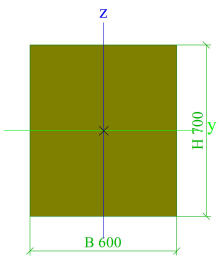
Naam	Type	ρ [kg/m³]	Dichtheid in natte toestand [kg/m³]	E_{mod} [MPa]	μ	α [m/mK]	$f_{c.k.28}$ [MPa]	Kleur
C13/16	Beton	2500,0	2600,0	6,0000e+03	0.2	0,00	13,00	

Verklaring van symbolen	
Dichtheid in natte toestand	De waarde van de dichtheid van het kenmerk nieuwe toestand wordt alleen gebruikt als een samengesteld dek wordt ingevoerd en rekening wordt gehouden met de belasting van het eigengewicht.

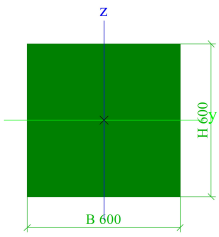
Wapening EC2

Naam	Type	ρ [kg/m³]	E_{mod} [MPa]	G_{mod} [MPa]	α [m/mK]	$f_{y.k}$ [MPa]
B 500B	Betonstaal	7850,0	2,0000e+05	8,3333e+04	0,00	500,0

3.2. Doorsneden

CS2		
Type	Rechthoek	
Uitgebreid	700; 600	
Vorm type	Dikke wanden	
Onderdeelmateriaal	C13/16	
Bouwwijze	beton	
Kleur		
A [m²]	4,2000e-01	
A_y [m²], A_z [m²]	3,5043e-01	3,5035e-01
A_L [m²/m], A_D [m²/m]	2,6000e+00	2,6000e+00
$c_{Y.UCS}$ [mm], $c_{Z.UCS}$ [mm]	300	350
α [deg]	0,00	
I_y [m⁴], I_z [m⁴]	1,7150e-02	1,2600e-02
i_y [mm], i_z [mm]	202	173
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	4,9000e-02	4,2000e-02
$W_{pl.y}$ [m³], $W_{pl.z}$ [m³]	0,0000e+00	0,0000e+00
$M_{pl.y.+}$ [Nm], $M_{pl.y.-}$ [Nm]	0,00e+00	0,00e+00
$M_{pl.z.+}$ [Nm], $M_{pl.z.-}$ [Nm]	0,00e+00	0,00e+00
d_y [mm], d_z [mm]	0	0
I_t [m⁴], I_w [m⁶]	2,4494e-02	2,0901e-05
β_y [mm], β_z [mm]	0	0
Afbeelding		

CS3		
Type	Rechthoek	
Uitgebreid	600; 600	
Vorm type	Dikke wanden	
Onderdeelmateriaal	C13/16	
Bouwwijze	beton	
Kleur		
A [m²]	3,6000e-01	
A_y [m²], A_z [m²]	3,0037e-01	3,0037e-01
A_L [m²/m], A_D [m²/m]	2,4000e+00	2,4000e+00
$c_{Y.UCS}$ [mm], $c_{Z.UCS}$ [mm]	300	300
α [deg]	0,00	
I_y [m⁴], I_z [m⁴]	1,0800e-02	1,0800e-02
i_y [mm], i_z [mm]	173	173

$W_{el.y}$ [m³], $W_{el.z}$ [m³]	3,6000e-02	3,6000e-02
$W_{pl.y}$ [m³], $W_{pl.z}$ [m³]	0,0000e+00	0,0000e+00
$M_{pl.y.+}$ [Nm], $M_{pl.y.-}$ [Nm]	0,00e+00	0,00e+00
$M_{pl.z.+}$ [Nm], $M_{pl.z.-}$ [Nm]	0,00e+00	0,00e+00
d_y [mm], d_z [mm]	0	0
I_t [m⁴], I_w [m⁶]	1,8190e-02	5,8328e-06
β_y [mm], β_z [mm]	0	0
Afbeelding		

Verklaring van symbolen	
A	Gebied
A_y	Afschuifoppervlak in hoofd y-richting - Berekend door 2D EEM analyse
A_z	Afschuifoppervlak in hoofd z-richting - Berekend door 2D EEM analyse
A_L	Omtrek per eenheidslengte
A_D	Uithardingsoppervlakte per eenheidslengte
$c_{Y.UCS}$	Zwaartepunt coordinaten in Y-richting van het invoer assen systeem
$c_{Z.UCS}$	Zwaartepunt coordinaten in Z-richting van het invoer assen systeem
$I_{Y.LCS}$	Tweede moment van het gebied rond de YLCS as
$I_{Z.LCS}$	Tweede moment van het gebied rond de ZLCS as
$I_{YZ.LCS}$	Product moment van het gebied in het LCS systeem
α	Rotatiehoek van het hoofd assen systeem
I_y	Tweede moment van het gebied rond de hoofd y-as
I_z	Tweede moment van het gebied rond de hoofd z-as
i_y	Traagheidsstraal rond de hoofd y-as
i_z	Traagheidsstraal rond de hoofd z-as

Verklaring van symbolen	
$W_{el.y}$	Elastische doorsnede modulus rond de hoofd y-as
$W_{el.z}$	Elastische doorsnede modulus rond de hoofd z-as
$W_{pl.y}$	Plastische doorsnede modulus rond de hoofd y-as
$W_{pl.z}$	Plastische doorsnede modulus rond de hoofd z-as
$M_{pl.y.+}$	Plastisch moment rond de hoofd y-as voor een positief My moment
$M_{pl.y.-}$	Plastisch moment rond de hoofd y-as voor een negatief My moment
$M_{pl.z.+}$	Plastisch moment rond de hoofd z-as voor een positief Mz moment
$M_{pl.z.-}$	Plastisch moment rond de hoofd z-as voor een negatief Mz moment
d_y	Afschuif middencoordinaat in hoofd y-richting gemeten vanaf het zwaartepunt - Berekend door 2D EEM analyse
d_z	Afschuif middencoordinaat in hoofd z-richting gemeten vanaf het zwaartepunt - Berekend door 2D EEM analyse
I_t	Torsie constante - Berekend door 2D EEM analyse
I_w	Welvings constante - Berekend door 2D EEM analyse
β_y	Mono-symmetrische constante rond de hoofd y-as
β_z	Mono-symmetrische constante rond de hoofd z-as

3.3. Knopen

Naam	Coördinaat X [m]	Coördinaat Y [m]	Coördinaat Z [m]
K42	0,000	0,000	-1,350
K43	0,000	7,500	-1,350
K44	8,500	7,500	-1,350
K45	8,500	0,000	-1,350
K46	0,000	1,750	-1,350
K47	8,500	1,750	-1,350
K48	0,000	5,750	-1,350
K49	8,500	5,750	-1,350

Naam	Coördinaat X [m]	Coördinaat Y [m]	Coördinaat Z [m]
K50	2,050	1,750	-1,350
K51	2,050	1,750	0,500
K52	6,050	1,750	-1,350
K53	6,050	1,750	0,500
K54	2,050	5,750	-1,350
K55	2,050	5,750	0,500
K56	6,050	5,750	-1,350
K57	6,050	5,750	0,500

3.4. 2D-elementen

Naam	Laag	Type	Element type	Materiaal	Dikte type	D. [mm]
E3	Laag1	vloer (90)	Standaard	C13/16	constant	300

3.5. Staven

Naam	Doorsnede	Materiaal	Lengte [m]	Beginknoop	Eindknoop	Type
S16	CS2 - Rechthoek (700; 600)	C13/16	8,500	K46	K47	Algemeen (0)
S17	CS3 - Rechthoek (600; 600)	C13/16	8,500	K48	K49	Algemeen (0)
S18	CS3 - Rechthoek (600; 600)	C13/16	1,850	K50	K51	Algemeen (0)
S19	CS3 - Rechthoek (600; 600)	C13/16	1,850	K52	K53	Algemeen (0)
S20	CS3 - Rechthoek (600; 600)	C13/16	1,850	K54	K55	Algemeen (0)
S21	CS3 - Rechthoek (600; 600)	C13/16	1,850	K56	K57	Algemeen (0)

3.6. Knoopondersteuningen

Naam	Knoop	Systeem	Type	X	Y	Z	Rx	Ry	Rz
Sn7	K42	GCS	Standaard	Vast	Vast	Vrij	Vrij	Vrij	Vrij
Sn8	K43	GCS	Standaard	Vast	Vrij	Vrij	Vrij	Vrij	Vrij
Sn9	K45	GCS	Standaard	Vrij	Vast	Vrij	Vrij	Vrij	Vrij

3.7. 2D elementondersteuningen

Naam	Type	Bedding	2D-element
SS3	Individueel	Bedding1	E3

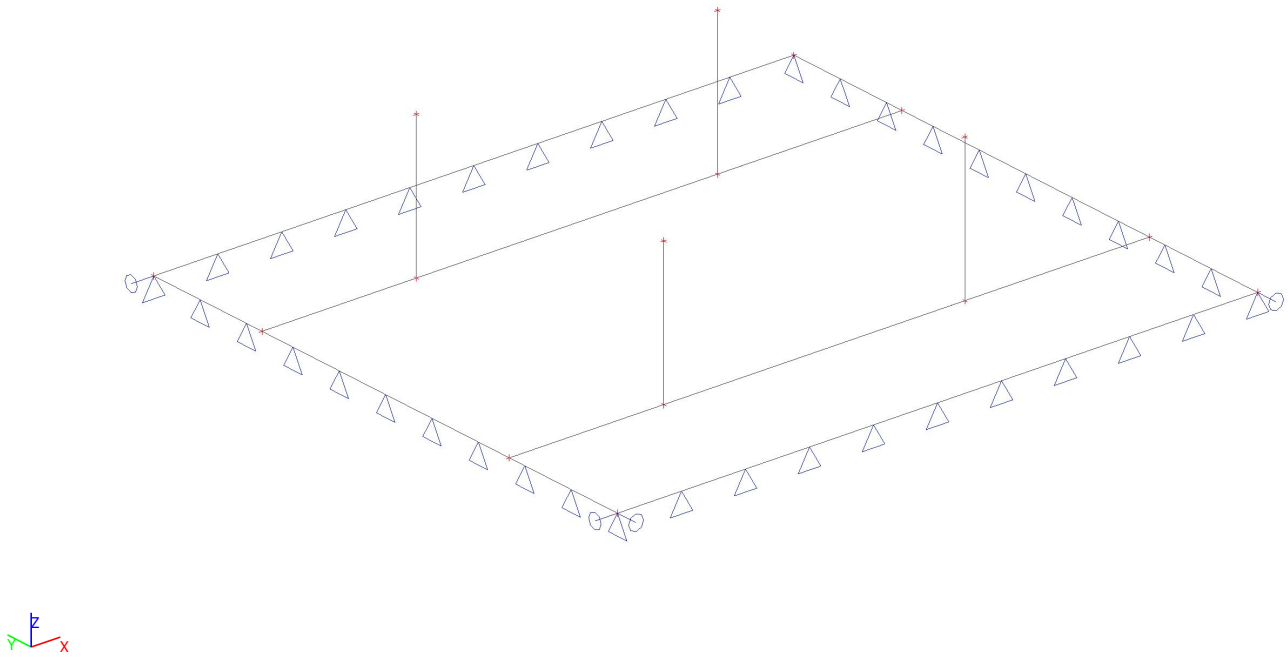
4. Belastingen

4.1. Belastingsgevallen

4.1.1. Belastingsgevallen - BG1

Naam	Omschrijving	Actie type	Lastgroep	Richting
	Spec	Belastingtype		
BG1	Eigen gewicht	Permanent	LG1	-Z
		Eigen gewicht		

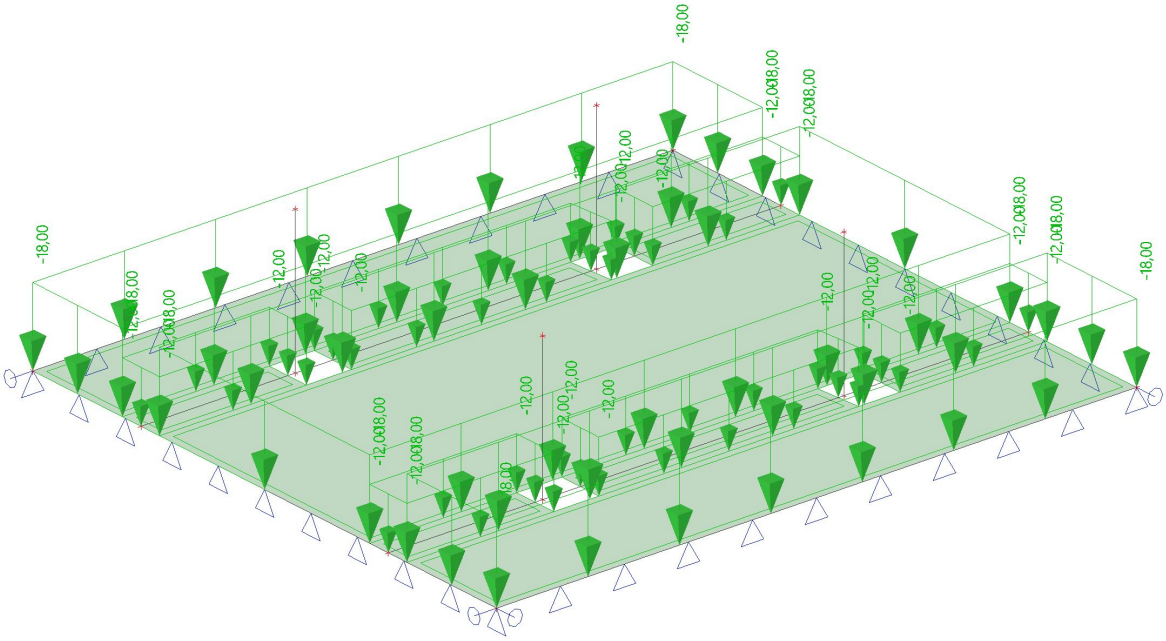
4.1.1.1. BG1 / Totale waarde



4.1.2. Belastingsgevallen - BG2

Naam	Omschrijving	Actie type	Lastgroep
	Spec	Belastingtype	
BG2	Permanente belasting	Permanent	LG1
		Standaard	

4.1.2.1. BG1 / Totale waarde



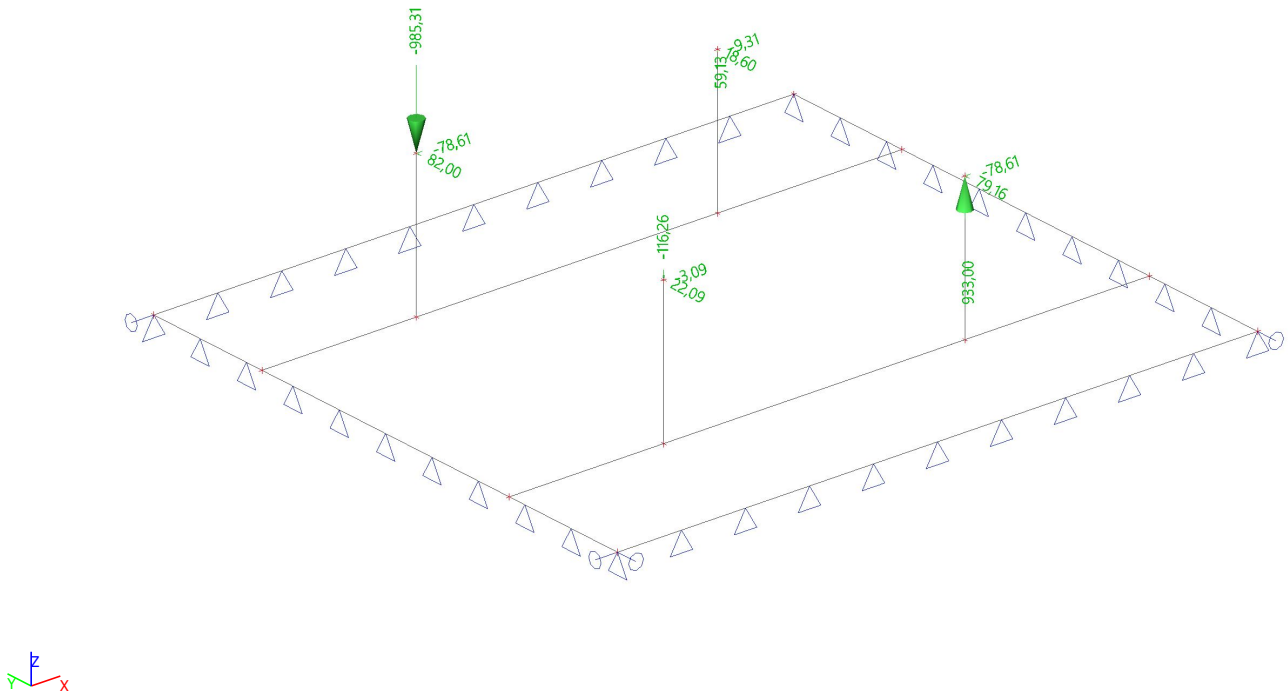
4.1.2.2. Genereer vrije lasten

Naam	Belastingsgeval	2D-element	Rich	Belastingstype	Oorspronkelijke belasting	q [kN/m²]	Systeem
			Verdeling	Type		Waarde - P [kN/m]	Locatie
GFF4	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF22	-12,00	GCS Lengte
GFF5	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF23	-12,00	GCS Lengte
GFF6	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF24	-12,00	GCS Lengte
GFF7	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF25	-12,00	GCS Lengte
GFF8	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF26	-12,00	GCS Lengte
GFF9	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF27	-12,00	GCS Lengte
GFF1	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF19	-18,00	GCS Lengte
GFF10	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF20	-18,00	GCS Lengte
GFF11	BG2 - Permanente belasting	E3	Z Gelijkmatig	Oppervlak Kracht	FF21	-18,00	GCS Lengte

4.1.3. Belastingsgevallen - BG3

Naam	Omschrijving	Actie type	Lastgroep	Duur	'Master' belastingsgeval
	Spec	Belastingtype			
BG3	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9 Standaard	Variabel Statisch	LG2	Kort	Geen

4.1.3.1. BG1 / Totale waarde



4.1.3.2. Puntlast op knoop

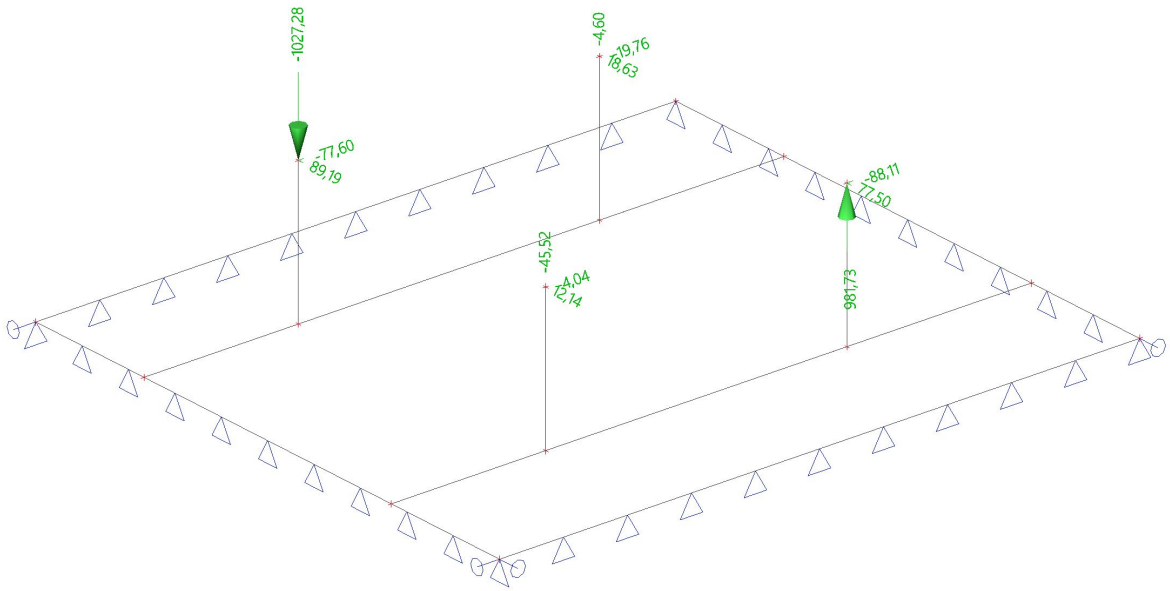
Naam	Knoop	Belastingsgeval	Systeem	Rich	Type	Waarde - F [kN]
Puntlast19	K51	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	-116,26
Puntlast21	K53	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	933,00
Puntlast23	K55	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	-985,31
Puntlast25	K57	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	59,13
Puntlast37	K53	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-78,61
Puntlast38	K51	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-3,09
Puntlast39	K55	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-78,61
Puntlast40	K57	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-9,31
Puntlast41	K53	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	79,16
Puntlast42	K51	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	22,09
Puntlast43	K55	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	82,00
Puntlast44	K57	BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	18,60

4.1.4. Belastingsgevallen - BG4

Naam	Omschrijving	Actie type	Lastgroep	Duur	'Master' belastingsgeval
	Spec	Belastingtype			
BG4	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	Variabel	LG2	Kort	Geen

Naam	Omschrijving	Actie type	Lastgroep	Duur	'Master' belastingsgeval
	Spec	Belastingtype			
	Standaard	Statisch			

4.1.4.1. BG1 / Totale waarde



4.1.4.2. Puntlast op knoop

Naam	Knoop	Belastingsgeval	Systeem	Rich	Type	Waarde - F [kN]
Puntlast20	K51	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	-45,52
Puntlast22	K53	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	981,73
Puntlast24	K55	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	-1027,28
Puntlast26	K57	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Z	Kracht	-4,60
Puntlast29	K53	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-88,11
Puntlast30	K51	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-4,04
Puntlast31	K55	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-77,60
Puntlast32	K57	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	X	Kracht	-19,76
Puntlast33	K53	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	77,50
Puntlast34	K51	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	12,14
Puntlast35	K55	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	89,19
Puntlast36	K57	BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	GCS	Y	Kracht	18,63

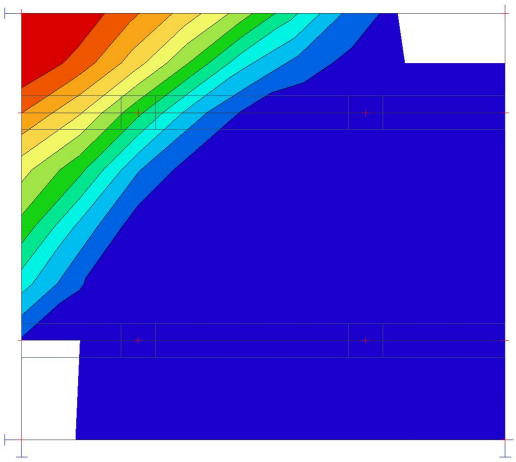
5. Niet-lineaire combinaties

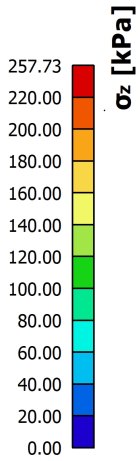
Naam	Type	Belastingsgevallen	Coëff. [-]
BC_243	Uiterste Grenstoestand	BG1 - Eigen gewicht	0,90
		BG2 - Permanente belasting	0,90
		BG3 - LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	1,00
BC_253	Uiterste Grenstoestand	BG1 - Eigen gewicht	0,90
		BG2 - Permanente belasting	0,90
		BG4 - LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	1,00

6. Resultaten - Spanning onder fundering

6.1. 2D-contactspanningen; σ_z

Waardes: σ_z
Niet-lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Locatie: In knooppunten gem..
Systeem: LCS net element

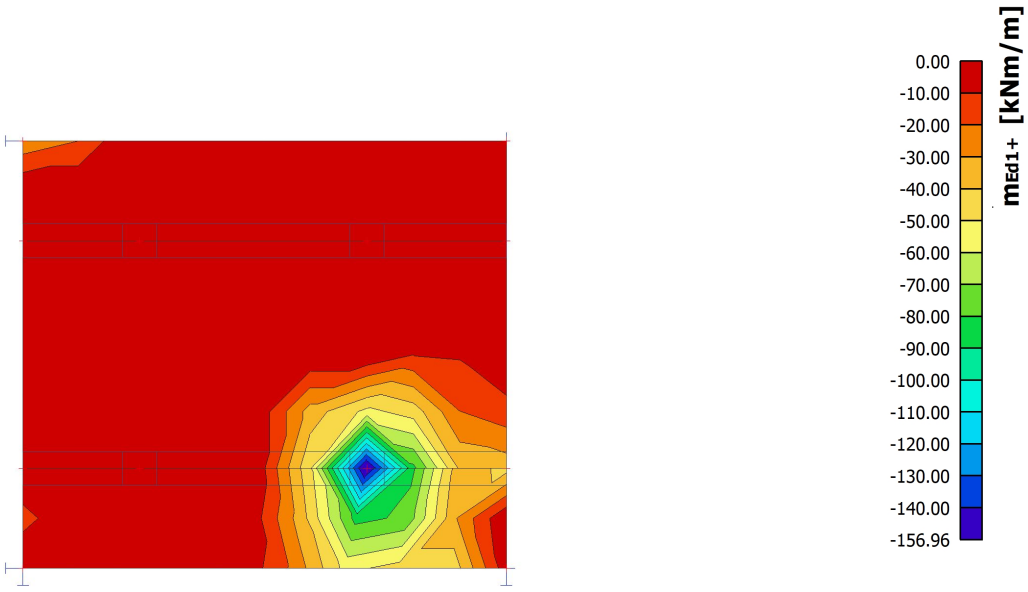




7. Resultaten - Interne krachten

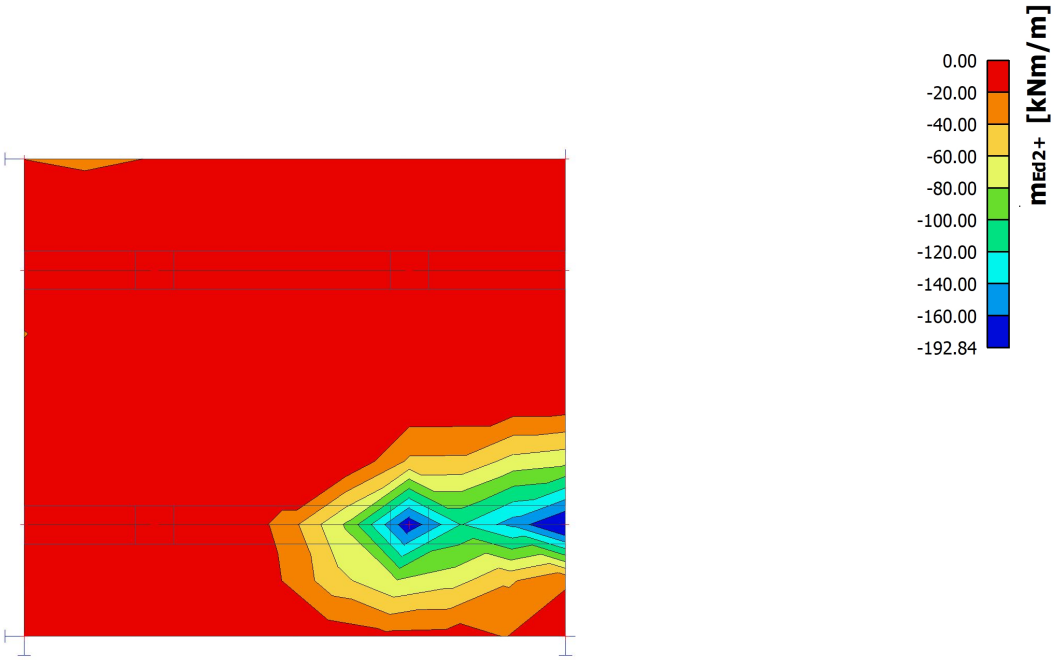
7.1. Interne krachten 2D; mEd,1+

Waardes: m_{Ed1+}
Niet-lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



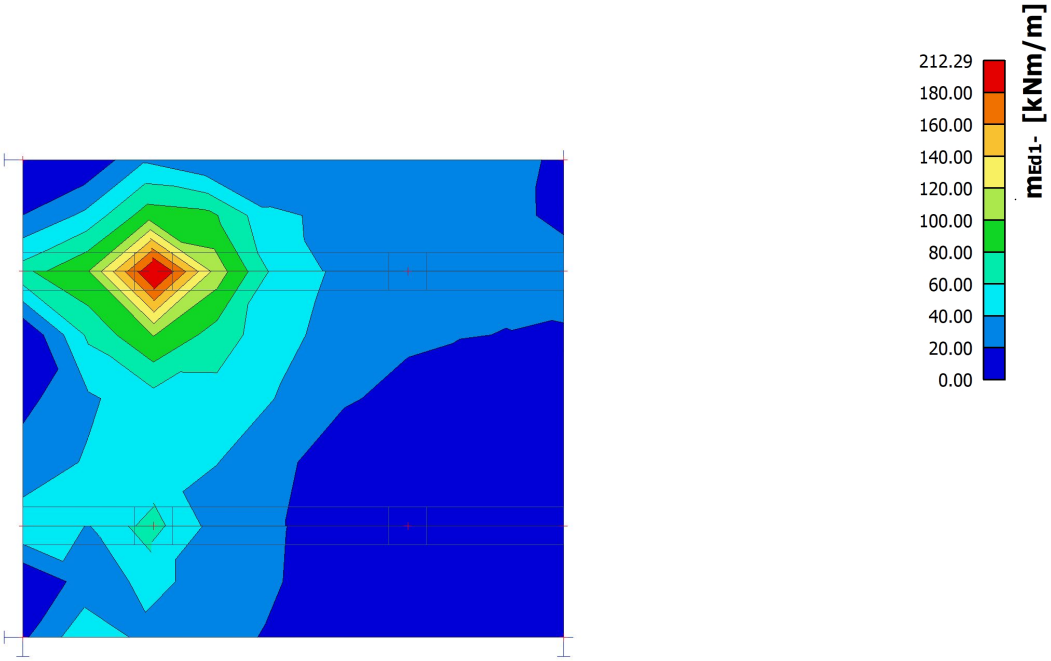
7.2. Interne krachten 2D; mEd,2+

Waardes: m_{Ed2+}
Niet-lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



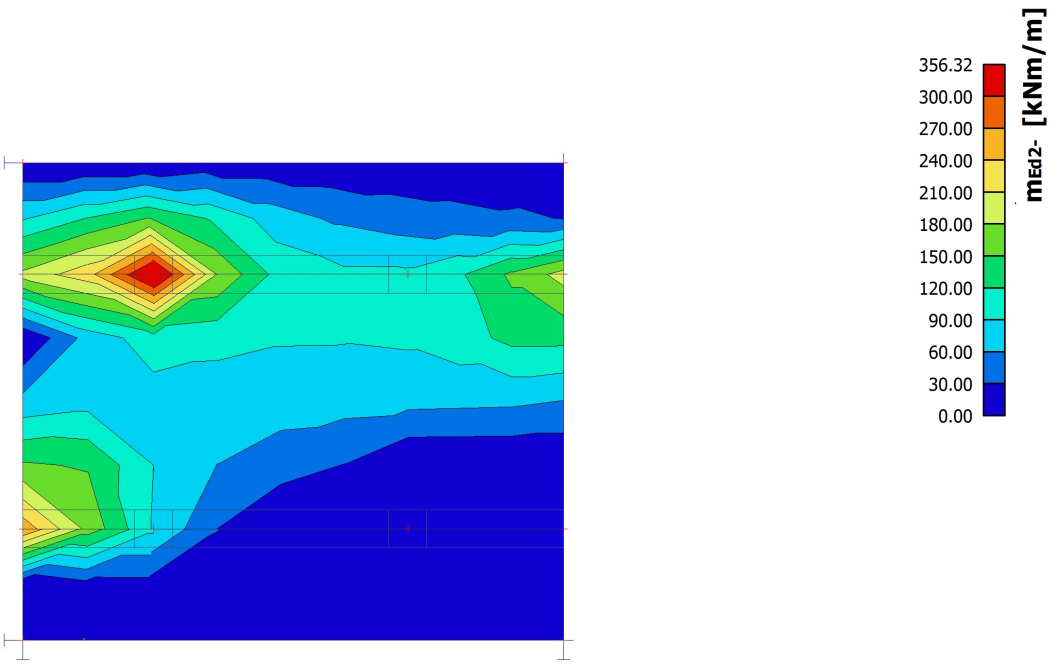
7.3. Interne krachten 2D; mEd,1-

Waardes: $\mathbf{m_{Ed1-}}$
Niet-lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



7.4. Interne krachten 2D; mEd,2-

Waardes: $\mathbf{m_{Ed2-}}$
Niet-lineaire berekening
Klasse: Alle UGT
Extreem: Globaal
Selectie: Alle
Locatie: In knooppunten gem. bij macro. Systeem: LCS net element



GENERAL

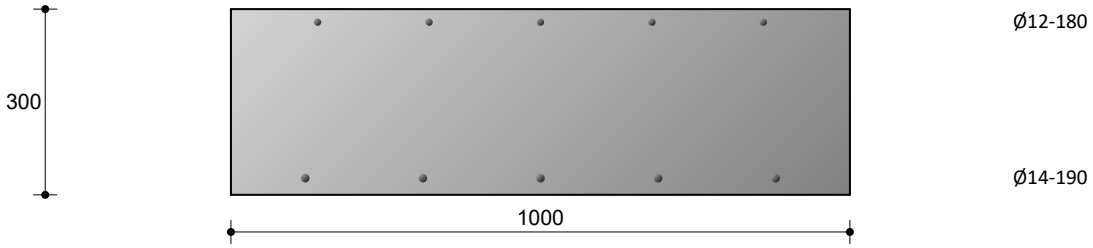
File: document1.xcst

Consequence class : CC2

CONCRETE SECTION: Plaat y-richting trek bovenzijde

INPUT DATA

Concrete cross section



Element type	Slab	Structural Class S4	
Prefab	no		
Concrete grade	C16/20	Creep coefficient 2,70	
Steel grade	FeB400HWL		
Granule diameter	31,5 mm		
	Top side	Bottom side	
Env. class	XC1	XC1	
Concrete surface	Can be checked	Can be checked	
ΔC_{dev}	5 mm		
Cover	15 mm	20 mm	
Nominal cover c_{nom}	15 mm	15 mm	EN 1992-1-1 (4.1)
Number of stirrup sections	2	Angle compression strut 40	

N_{Ed}	0 kN
M_{Ed}	-80 kNm
V_{Ed}	0 kN
T_{Ed}	0 kNm
N_k	0 kN
M_k	0 kNm

CALCULATION according to Eurocode 2

Applied standards : NEN EN 1992-1-1 + C2:2011/NB:2011 (nl)

SECTION 6 ULTIMATE LIMIT STATES (ULS)

6.1 Bending with or without axial force

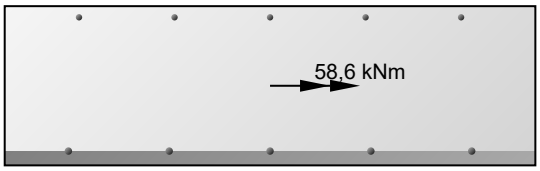
M_{Ed} = -80,00 kNm > M_{Rd} = -58,64 kNm voldoet niet! (u.c.=1,36)

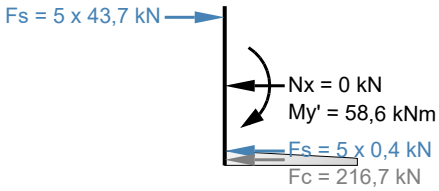
$$x_{u,max} = \frac{\delta - k_1}{k_2} d = \frac{1 - \frac{348}{500 + 348}}{1,00} d = 0,59 \times 279 = 164,5 \text{ mm} \qquad ...(5.10a)$$

x_u = 27,1 mm < $x_{u;max}$ = 164,5 mm

Cross Section Calculation

εc=εcu3





Angle bending axis and neutral line α = 0,000 ^{0} ; xu = 27,1 mm; d = 279,0 mm
Centroid section y' = 0,0 z' = -150,0 (y = 0,0 z = 0,0)

y' [mm]	z' [mm]	Wap.	As [mm ^{2}]	Δε [o/oo]	σc [N/mm ^{2}]	Δσs [N/mm ^{2}]
180,0	-21,0	1Ø12	126	32,549		347,8
360,0	-21,0	1Ø12	126	32,549		347,8
0,0	-21,0	1Ø12	126	32,549		347,8
-360,0	-21,0	1Ø12	126	32,549		347,8
-180,0	-21,0	1Ø12	126	32,549		347,8
190,0	-273,0	1Ø14	162	-0,011		-2,3
380,0	-273,0	1Ø14	162	-0,011		-2,3
0,0	-273,0	1Ø14	162	-0,011		-2,3
-380,0	-273,0	1Ø14	162	-0,011		-2,3
-190,0	-273,0	1Ø14	162	-0,011		-2,3
0,0	**-300,0**			**-3,500**	**-10,7**	

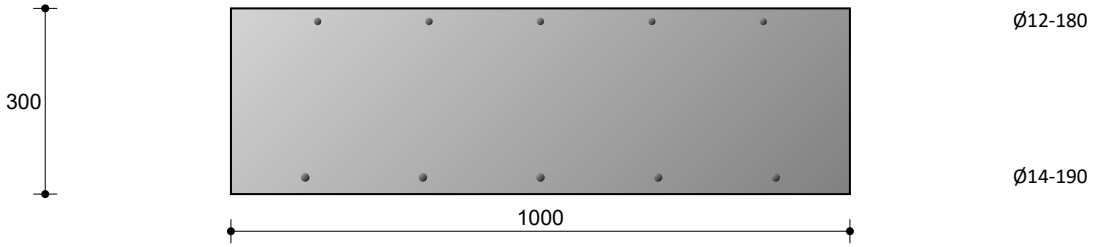
y' [mm]	z' [mm]	Fc [kN]	Fs [kN]	dy' [mm]	dz' [mm]	F [kN]	F.dy' [kNm]	F.dz' [kNm]
180,0	-21,0		43,7	180,0	129,0	43,7	7,9	5,6
360,0	-21,0		43,7	360,0	129,0	43,7	15,7	5,6
0,0	-21,0		43,7	0,0	129,0	43,7	0,0	5,6
-360,0	-21,0		43,7	-360,0	129,0	43,7	-15,7	5,6
-180,0	-21,0		43,7	-180,0	129,0	43,7	-7,9	5,6
190,0	-273,0		-0,4	190,0	-123,0	-0,4	-0,1	0,0
380,0	-273,0		-0,4	380,0	-123,0	-0,4	-0,1	0,0
0,0	-273,0		-0,4	0,0	-123,0	-0,4	0,0	0,0
-380,0	-273,0		-0,4	-380,0	-123,0	-0,4	0,1	0,0
-190,0	-273,0		-0,4	-190,0	-123,0	-0,4	0,1	0,0
0,0	-289,5	-216,7		0,0	-139,5	-216,7	0,0	30,2
					totaal:	0,0	0,0	58,6

Conclusion: Cross-section not OK!

CONCRETE SECTION: Plaat y-richting trek onderzijde

INPUT DATA

Concrete cross section



Element type	Slab	Structural Class S4	
Prefab	no		
Concrete grade	C16/20	Creep coefficient 2,70	
Steel grade	FeB400HWL		
Granule diameter	31,5 mm		
	Top side	Bottom side	
Env. class	XC1	XC1	
Concrete surface	Can be checked	Can be checked	
ΔC_{dev}	5 mm		
Cover	15 mm	20 mm	
Nominal cover c_{nom}	15 mm	15 mm	EN 1992-1-1 (4.1)
Number of stirrup sections	2	Angle compression strut 40	

N_{Ed}	0 kN
M_{Ed}	150 kNm
V_{Ed}	0 kN
T_{Ed}	0 kNm
N_k	0 kN
M_k	0 kNm

CALCULATION according to Eurocode 2

Applied standards : NEN EN 1992-1-1 + C2:2011/NB:2011 (nl)

SECTION 6 ULTIMATE LIMIT STATES (ULS)

6.1 Bending with or without axial force

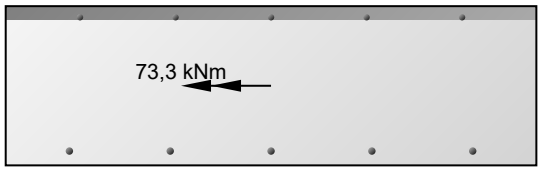
M_{Ed} = 150,00 kNm > M_{Rd} = 73,28 kNm voldoet niet! (u.c.=2,05)

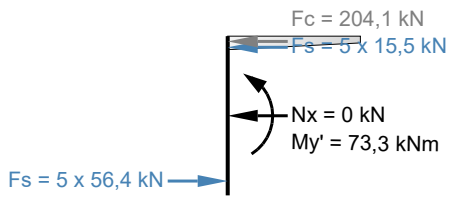
$$x_{u,max} = \frac{\delta - k_1}{k_2} d = \frac{1 - \frac{348}{500 + 348}}{1,00} d = 0,59 \times 273 = 161 \text{ mm} \qquad ...(5.10a)$$

x_u = 25,5 mm < $x_{u;max}$ = 161 mm

Cross Section Calculation

εc=εcu3





Angle bending axis and neutral line α = 0,000 ^{0} ; xu = 25,5 mm; d = 273,0 mm
Centroid section y' = 0,0 z' = -150,0 (y = 0,0 z = 0,0)

y' [mm]	z' [mm]	Wap.	As [mm ^{2}]	Δε [o/oo]	σc [N/mm ^{2}]	Δσs [N/mm ^{2}]
0,0	**0,0**			**-3,500**	**-10,7**	
360,0	-21,0	1Ø12	126	-0,619		-123,7
-360,0	-21,0	1Ø12	126	-0,619		-123,7
180,0	-21,0	1Ø12	126	-0,619		-123,7
-180,0	-21,0	1Ø12	126	-0,619		-123,7
0,0	-21,0	1Ø12	126	-0,619		-123,7
380,0	-273,0	1Ø14	162	33,958		347,8
-380,0	-273,0	1Ø14	162	33,958		347,8
190,0	-273,0	1Ø14	162	33,958		347,8
-190,0	-273,0	1Ø14	162	33,958		347,8
0,0	-273,0	1Ø14	162	33,958		347,8

y' [mm]	z' [mm]	Fc [kN]	Fs [kN]	dy' [mm]	dz' [mm]	F [kN]	F.dy' [kNm]	F.dz' [kNm]
0,0	-9,9	-204,1		0,0	140,1	-204,1	0,0	-28,6
360,0	-21,0		-15,5	360,0	129,0	-15,5	-5,6	-2,0
-360,0	-21,0		-15,5	-360,0	129,0	-15,5	5,6	-2,0
180,0	-21,0		-15,5	180,0	129,0	-15,5	-2,8	-2,0
-180,0	-21,0		-15,5	-180,0	129,0	-15,5	2,8	-2,0
0,0	-21,0		-15,5	0,0	129,0	-15,5	0,0	-2,0
380,0	-273,0		56,4	380,0	-123,0	56,4	21,4	-6,9
-380,0	-273,0		56,4	-380,0	-123,0	56,4	-21,4	-6,9
190,0	-273,0		56,4	190,0	-123,0	56,4	10,7	-6,9
-190,0	-273,0		56,4	-190,0	-123,0	56,4	-10,7	-6,9
0,0	-273,0		56,4	0,0	-123,0	56,4	0,0	-6,9
					totaal:	0,0	0,0	-73,3

Conclusion: Cross-section not OK!

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
1	LC1_ULS_NL1a=Wind_Dir=0	AP	34,17	39,8	430,58	52,46	-1,1	1,01	1,49	0,01
2	LC1_ULS_NL1a=Wind_Dir=0	AX	-7,77	22,53	-183,01	23,83	-0,52	-0,37	0,63	0,02
3	LC1_ULS_NL1a=Wind_Dir=0	AXY	38,22	42,27	-484,86	56,99	-1,17	1,16	1,65	0,01
4	LC1_ULS_NL1a=Wind_Dir=0	AY	-4,65	17,73	127,81	18,34	-0,36	-0,27	0,45	-0,01
5	LC2_ULS_NL3=Wind+Ice_Dir=0	AP	57,7	63,3	713,66	85,65	-1,77	1,66	2,43	0,02
6	LC2_ULS_NL3=Wind+Ice_Dir=0	AX	-0,67	24,76	-161,72	24,77	-0,49	-0,24	0,55	0,04
7	LC2_ULS_NL3=Wind+Ice_Dir=0	AXY	63,67	63,29	-775,23	89,77	-1,76	1,91	2,59	0,02
8	LC2_ULS_NL3=Wind+Ice_Dir=0	AY	1,2	16,77	97,12	16,82	-0,21	-0,2	0,29	-0,01
9	LC3_ULS_NL4=MinTemp+Wind_Dir=0	AP	33,96	32,82	392,51	47,23	-0,91	0,98	1,34	-0,01
10	LC3_ULS_NL4=MinTemp+Wind_Dir=0	AX	1,29	9,14	-51,8	9,23	-0,12	-0,11	0,16	0,01
11	LC3_ULS_NL4=MinTemp+Wind_Dir=0	AXY	35,65	37,7	-446,91	51,88	-1,09	1,02	1,49	0
12	LC3_ULS_NL4=MinTemp+Wind_Dir=0	AY	6,89	6,72	-3,28	9,63	-0,06	0,08	0,1	-0,02
13	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	AP	14,9	14,81	172,58	21,01	-0,42	0,43	0,6	0
14	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	AX	0,47	5,3	-35,62	5,32	-0,09	-0,05	0,1	0,01
15	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	AXY	18,72	18,53	-228,8	26,34	-0,53	0,54	0,76	0
16	LC4_ULS_NL5a=Torsional_Dir=NA_C1F1A	AY	4,36	1,32	-20,75	4,55	0,03	0,07	0,07	-0,01
17	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	AP	15,6	14,65	175,99	21,4	-0,4	0,45	0,61	0
18	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	AX	0,01	4,98	-36,75	4,98	-0,07	-0,07	0,1	0
19	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	AXY	18,58	19,17	-232,32	26,7	-0,55	0,54	0,77	0
20	LC5_ULS_NL5a=Torsional_Dir=NA_C1F4A	AY	4,74	1,8	-19,52	5,07	0,02	0,08	0,08	-0,01
21	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	AP	14,97	14,75	172,58	21,01	-0,41	0,43	0,6	0
22	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	AX	0,4	5,2	-35,17	5,22	-0,09	-0,05	0,1	0,01
23	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	AXY	18,62	18,62	-228,87	26,33	-0,53	0,54	0,76	0
24	LC6_ULS_NL5a=Torsional_Dir=NA_C2F1A	AY	4,46	1,38	-21,13	4,67	0,03	0,07	0,08	-0,01
25	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	AP	15,66	14,61	176,44	21,42	-0,4	0,45	0,61	0
26	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	AX	-0,04	4,88	-36,3	4,88	-0,07	-0,07	0,1	0
27	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	AXY	18,52	19,26	-232,71	26,72	-0,56	0,53	0,77	0
28	LC7_ULS_NL5a=Torsional_Dir=NA_C2F2A	AY	4,8	1,83	-20,01	5,14	0,01	0,08	0,09	-0,01
29	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	AP	14,98	14,73	172,5	21,01	-0,41	0,43	0,6	0
30	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	AX	0,38	5,17	-34,79	5,19	-0,09	-0,06	0,1	0,01
31	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	AXY	18,58	18,67	-228,89	26,34	-0,54	0,54	0,76	0
32	LC8_ULS_NL5a=Torsional_Dir=NA_E1F1A	AY	4,5	1,39	-21,61	4,71	0,03	0,07	0,08	-0,01
33	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	AP	15,58	14,69	176,57	21,42	-0,41	0,45	0,61	0
34	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	AX	0,03	4,91	-35,61	4,91	-0,07	-0,07	0,1	0
35	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	AXY	18,56	19,24	-232,95	26,74	-0,56	0,53	0,77	0
36	LC9_ULS_NL5a=Torsional_Dir=NA_E1F2A	AY	4,77	1,75	-20,8	5,08	0,02	0,08	0,08	-0,01
37	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	AP	15,7	10,05	150,57	18,64	-0,24	0,49	0,54	-0,02
38	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	AX	-3,58	2,56	-42,7	4,4	0,02	-0,2	0,2	-0,02
39	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	AXY	13,72	19,43	-207,91	23,79	-0,59	0,36	0,69	-0,03
40	LC10_ULS_NL5a=Torsional_Dir=NA_C1F1B	AY	6,2	4,15	-13,78	7,46	-0,09	0,16	0,18	-0,03
41	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	AP	11,45	14,08	150,12	18,15	-0,41	0,31	0,51	0,01
42	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	AX	0,67	6,59	-42,22	6,62	-0,15	-0,02	0,15	0,02
43	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	AXY	17,86	15,41	-206,89	23,59	-0,42	0,54	0,68	0,01
44	LC11_ULS_NL5a=Torsional_Dir=NA_C1F4B	AY	2,06	0,11	-14,83	2,06	0,08	-0,01	0,08	0
45	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	AP	14,39	10,86	145,28	18,03	-0,28	0,44	0,52	-0,01
46	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	AX	-2,27	3,79	-43,38	4,42	-0,03	-0,14	0,15	-0,01
47	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	AXY	14,68	18,2	-202,15	23,39	-0,54	0,41	0,68	-0,02
48	LC12_ULS_NL5a=Torsional_Dir=NA_C2F1B	AY	5,24	3,33	-13,55	6,21	-0,06	0,13	0,14	-0,02
49	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	AP	11,01	14,18	144,59	17,95	-0,42	0,3	0,51	0,02
50	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	AX	1,11	7,1	-42,71	7,18	-0,17	0	0,17	0,02
51	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	AXY	17,97	14,9	-201,58	23,34	-0,4	0,55	0,68	0,02
52	LC13_ULS_NL5a=Torsional_Dir=NA_C2F2B	AY	1,95	0,02	-14,11	1,96	0,08	-0,01	0,08	0,01
53	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	AP	14,15	11,73	146,87	18,38	-0,31	0,43	0,53	-0,01
54	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	AX	-1,45	4,54	-43,29	4,76	-0,06	-0,11	0,13	-0,01
55	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	AXY	15,62	17,94	-203,93	23,79	-0,53	0,44	0,69	-0,01
56	LC14_ULS_NL5a=Torsional_Dir=NA_E1F1B	AY	4,91	2,93	-13,74	5,72	-0,04	0,11	0,12	-0,02
57	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	AP	11,97	13,87	146,1	18,32	-0,4	0,34	0,52	0,01
58	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	AX	0,74	6,67	-42,53	6,71	-0,15	-0,02	0,15	0,01
59	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	AXY	17,7	15,8	-203,18	23,73	-0,44	0,53	0,69	0,01
60	LC15_ULS_NL5a=Torsional_Dir=NA_E1F2B	AY	2,83	0,79	-14,48	2,94	0,05	0,02	0,05	0
61	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	AP	15,17	14,85	174,78	21,23	-0,42	0,44	0,6	0
62	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	AX	0,51	4,98	-32,52	5	-0,08	-0,05	0,09	0
63	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	AXY	18,39	18,54	-226,51	26,11	-0,53	0,53	0,75	0
64	LC16_ULS_NL5b=Longitudinal_Dir=NA_C1F2A	AY	4,38	1,58	-19,34	4,66	0,02	0,07	0,07	-0,01
65	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	AP	15,98	14,59	178,12	21,64	-0,4	0,47	0,62	0
66	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	AX	-0,05	4,56	-33,7	4,56	-0,06	-0,08	0,1	0
67	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	AXY	18,15	19,27	-229,98	26,47	-0,56	0,52	0,76	0
68	LC17_ULS_NL5b=Longitudinal_Dir=NA_C1F3A	AY	4,87	2,17	-18,04	5,33	0	0,09	0,09	-0,01
69	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	AP	14,08	11,83	151,93	18,39	-0,31	0,42	0,52	-0,01
70	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	AX	-1,6	3,95	-38,29	4,26	-0,04	-0,12	0,13	-0,01
71	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	AXY	15,1	17,68	-203,66	23,26	-0,52	0,42	0,67	-0,01
72	LC18_ULS_NL5b=Longitudinal_Dir=NA_E2F1A	AY	4,45	2,73	-13,3	5,22	-0,03	0,09	0,09	-0,02
73	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	AP	10,19	15,66	153,57	18,68	-0,47	0,26	0,54	0,03
74	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	AX	2,29	7,75	-39,85	8,08	-0,2	0,04	0,2	0,03
75	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	AXY	19,16	13,88	-204,66	23,66	-0,36	0,59	0,69	0,02
76	LC19_ULS_NL5b=Longitudinal_Dir=NA_C1F2B	AY	0,4	-1,1	-12,37	1,17	0,13	-0,08	0,15	0,02
77	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	AP	15,45	15,11	178,4	21,61	-0,42	0,44	0,61	0
78	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	AX	0,48	4,93	-31,67	4,95	-0,08	-0,06	0,09	0

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
79	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	AXY	18,55	18,91	-230,24	26,49	-0,54	0,53	0,76	0
80	LC20_ULS_NL5b=Longitudinal_Dir=NA_C1F3B	AY	4,47	1,64	-20,28	4,76	0,02	0,07	0,07	-0,01
81	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	AP	15,17	14,83	174,43	21,21	-0,42	0,44	0,6	0
82	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	AX	0,5	4,89	-31,25	4,92	-0,08	-0,05	0,09	0
83	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	AXY	18,28	18,64	-226,28	26,1	-0,54	0,53	0,75	0
84	LC21_ULS_NL5b=Longitudinal_Dir=NA_E2F1B	AY	4,49	1,61	-20,7	4,77	0,02	0,07	0,07	-0,01
85	LC22_ULS_NL6a=Cons+Main_Dir=0	AP	34,9	37,53	425,56	51,25	-1,06	1	1,46	0,01
86	LC22_ULS_NL6a=Cons+Main_Dir=0	AX	0,47	14,04	-88,08	14,05	-0,27	-0,12	0,3	0,02
87	LC22_ULS_NL6a=Cons+Main_Dir=0	AXY	39,81	39,59	-483,17	56,14	-1,11	1,18	1,62	0,01
88	LC22_ULS_NL6a=Cons+Main_Dir=0	AY	3,27	8,37	29,4	8,99	-0,08	-0,05	0,09	-0,01
89	LC23_ULS_NL6b=Linesmen_Dir=0	AP	34,62	37,2	420,94	50,82	-1,05	0,99	1,44	0,01
90	LC23_ULS_NL6b=Linesmen_Dir=0	AX	0,19	14,37	-92,84	14,37	-0,28	-0,13	0,31	0,02
91	LC23_ULS_NL6b=Linesmen_Dir=0	AXY	40,1	39,82	-486,66	56,51	-1,12	1,19	1,63	0,01
92	LC23_ULS_NL6b=Linesmen_Dir=0	AY	3,55	8,13	26,07	8,87	-0,07	-0,04	0,08	-0,01
93	LC24_ULS_NL7=Perm_Dir=NA	AP	17,55	17,18	202,14	24,56	-0,48	0,51	0,7	0
94	LC24_ULS_NL7=Perm_Dir=NA	AX	0,19	6,02	-41,43	6,02	-0,1	-0,07	0,12	0,01
95	LC24_ULS_NL7=Perm_Dir=NA	AXY	21,13	21,55	-262,02	30,18	-0,62	0,61	0,87	0
96	LC24_ULS_NL7=Perm_Dir=NA	AY	4,81	2,21	-18,6	5,29	0,01	0,07	0,07	-0,01
97	LC25_ULS_NL8=Special_Galloping_Dir=NA_ALL	AP	23,82	23,32	276,62	33,34	-0,65	0,69	0,95	0
98	LC25_ULS_NL8=Special_Galloping_Dir=NA_ALL	AX	1,14	6,96	-41,09	7,06	-0,1	-0,07	0,12	0,01
99	LC25_ULS_NL8=Special_Galloping_Dir=NA_ALL	AXY	26,63	27,19	-328,59	38,05	-0,78	0,77	1,1	0
100	LC25_ULS_NL8=Special_Galloping_Dir=NA_ALL	AY	5,39	3,77	-11,21	6,58	-0,01	0,07	0,07	-0,01
101	LC26_ULS_NL8=Special_Galloping_Dir=NA_C1F1A	AP	15,48	14,88	176,64	21,47	-0,41	0,45	0,61	0
102	LC26_ULS_NL8=Special_Galloping_Dir=NA_C1F1A	AX	-0,29	5,33	-38,99	5,33	-0,09	-0,08	0,12	0
103	LC26_ULS_NL8=Special_Galloping_Dir=NA_C1F1A	AXY	18,19	19,09	-228,75	26,37	-0,55	0,52	0,76	0
104	LC26_ULS_NL8=Special_Galloping_Dir=NA_C1F1A	AY	4,13	2,41	-13,16	4,78	0	0,06	0,06	-0,01
105	LC27_ULS_NL8=Special_Galloping_Dir=NA_C1F2A	AP	15,33	15,02	176,66	21,46	-0,42	0,44	0,61	0
106	LC27_ULS_NL8=Special_Galloping_Dir=NA_C1F2A	AX	-0,14	5,46	-39,01	5,46	-0,09	-0,07	0,12	0
107	LC27_ULS_NL8=Special_Galloping_Dir=NA_C1F2A	AXY	18,34	18,95	-228,74	26,37	-0,54	0,53	0,76	0
108	LC27_ULS_NL8=Special_Galloping_Dir=NA_C1F2A	AY	3,98	2,28	-13,17	4,59	0	0,06	0,06	-0,01
109	LC28_ULS_NL8=Special_Galloping_Dir=NA_C1F3A	AP	14,58	15,29	174,16	21,13	-0,43	0,42	0,6	0
110	LC28_ULS_NL8=Special_Galloping_Dir=NA_C1F3A	AX	0,36	5,88	-38,74	5,89	-0,11	-0,05	0,12	0,01
111	LC28_ULS_NL8=Special_Galloping_Dir=NA_C1F3A	AXY	18,64	18,22	-226,17	26,06	-0,52	0,55	0,75	0
112	LC28_ULS_NL8=Special_Galloping_Dir=NA_C1F3A	AY	3,43	1,69	-13,52	3,83	0,02	0,04	0,04	-0,01
113	LC29_ULS_NL8=Special_Galloping_Dir=NA_C1F4A	AP	14,83	15,05	174,14	21,13	-0,42	0,43	0,6	0
114	LC29_ULS_NL8=Special_Galloping_Dir=NA_C1F4A	AX	0,11	5,65	-38,71	5,65	-0,1	-0,06	0,12	0,01
115	LC29_ULS_NL8=Special_Galloping_Dir=NA_C1F4A	AXY	18,39	18,45	-226,2	26,05	-0,53	0,53	0,75	0
116	LC29_ULS_NL8=Special_Galloping_Dir=NA_C1F4A	AY	3,68	1,93	-13,49	4,16	0,01	0,05	0,05	-0,01
117	LC30_ULS_NL8=Special_Galloping_Dir=NA_C2F1A	AP	15,42	14,95	176,86	21,48	-0,41	0,45	0,61	0
118	LC30_ULS_NL8=Special_Galloping_Dir=NA_C2F1A	AX	-0,23	5,42	-39,69	5,42	-0,09	-0,08	0,12	0
119	LC30_ULS_NL8=Special_Galloping_Dir=NA_C2F1A	AXY	18,31	19	-228,94	26,38	-0,55	0,53	0,76	0
120	LC30_ULS_NL8=Special_Galloping_Dir=NA_C2F1A	AY	4,01	2,35	-12,5	4,65	0	0,06	0,06	-0,01
121	LC31_ULS_NL8=Special_Galloping_Dir=NA_C2F2A	AP	14,78	15,08	173,76	21,12	-0,42	0,42	0,6	0
122	LC31_ULS_NL8=Special_Galloping_Dir=NA_C2F2A	AX	0,16	5,74	-39,3	5,75	-0,1	-0,06	0,12	0,01
123	LC31_ULS_NL8=Special_Galloping_Dir=NA_C2F2A	AXY	18,46	18,35	-225,85	26,03	-0,52	0,54	0,75	0
124	LC31_ULS_NL8=Special_Galloping_Dir=NA_C2F2A	AY	3,61	1,89	-12,87	4,08	0,02	0,04	0,05	-0,01
125	LC32_ULS_NL8=Special_Galloping_Dir=NA_E1F1A	AP	15,42	14,95	177,04	21,48	-0,41	0,45	0,61	0
126	LC32_ULS_NL8=Special_Galloping_Dir=NA_E1F1A	AX	-0,23	5,46	-40,28	5,46	-0,09	-0,08	0,12	0
127	LC32_ULS_NL8=Special_Galloping_Dir=NA_E1F1A	AXY	18,36	18,95	-229,12	26,39	-0,54	0,53	0,76	0
128	LC32_ULS_NL8=Special_Galloping_Dir=NA_E1F1A	AY	3,96	2,33	-11,91	4,6	0	0,06	0,06	-0,01
129	LC33_ULS_NL8=Special_Galloping_Dir=NA_E1F2A	AP	14,85	14,99	173,41	21,1	-0,42	0,43	0,6	0
130	LC33_ULS_NL8=Special_Galloping_Dir=NA_E1F2A	AX	0,1	5,72	-39,89	5,72	-0,1	-0,06	0,12	0,01
131	LC33_ULS_NL8=Special_Galloping_Dir=NA_E1F2A	AXY	18,41	18,37	-225,49	26,01	-0,52	0,54	0,75	0
132	LC33_ULS_NL8=Special_Galloping_Dir=NA_E1F2A	AY	3,66	1,98	-12,29	4,16	0,01	0,05	0,05	-0,01
133	LC34_ULS_NL8=Special_Galloping_Dir=NA_E2F1A	AP	15,07	14,75	173,2	21,09	-0,41	0,44	0,6	0
134	LC34_ULS_NL8=Special_Galloping_Dir=NA_E2F1A	AX	-0,13	5,52	-40,24	5,52	-0,09	-0,07	0,12	0
135	LC34_ULS_NL8=Special_Galloping_Dir=NA_E2F1A	AXY	18,2	18,58	-225,28	26	-0,53	0,53	0,75	0
136	LC34_ULS_NL8=Special_Galloping_Dir=NA_E2F1A	AY	3,88	2,22	-11,94	4,47	0	0,06	0,06	-0,01
137	LC35_ULS_NL8=Special_Galloping_Dir=NA_C1F1B	AP	14,74	19,62	199,47	24,54	-0,59	0,39	0,71	0,02
138	LC35_ULS_NL8=Special_Galloping_Dir=NA_C1F1B	AX	3,66	8,08	-33,36	8,87	-0,2	0,07	0,21	0,03
139	LC35_ULS_NL8=Special_Galloping_Dir=NA_C1F1B	AXY	23,28	18,21	-251,08	29,56	-0,49	0,71	0,86	0,03
140	LC35_ULS_NL8=Special_Galloping_Dir=NA_C1F1B	AY	2,23	-0,44	-19,29	2,28	0,12	-0,03	0,12	0,01
141	LC36_ULS_NL8=Special_Galloping_Dir=NA_C1F2B	AP	16,43	18,04	199,29	24,4	-0,52	0,46	0,7	0,01
142	LC36_ULS_NL8=Special_Galloping_Dir=NA_C1F2B	AX	1,98	6,5	-33,18	6,79	-0,13	0	0,13	0,01
143	LC36_ULS_NL8=Special_Galloping_Dir=NA_C1F2B	AXY	21,6	19,79	-251,27	29,3	-0,56	0,64	0,85	0,01
144	LC36_ULS_NL8=Special_Galloping_Dir=NA_C1F2B	AY	3,92	1,15	-19,11	4,08	0,05	0,04	0,06	0
145	LC37_ULS_NL8=Special_Galloping_Dir=NA_C1F3B	AP	20,4	14,21	199,03	24,86	-0,36	0,63	0,72	-0,03
146	LC37_ULS_NL8=Special_Galloping_Dir=NA_C1F3B	AX	-2	2,69	-32,9	3,35	0,03	-0,17	0,17	-0,02
147	LC37_ULS_NL8=Special_Galloping_Dir=NA_C1F3B	AXY	17,64	23,6	-251,56	29,47	-0,72	0,47	0,86	-0,02
148	LC37_ULS_NL8=Special_Galloping_Dir=NA_C1F3B	AY	7,88	4,97	-18,83	9,32	-0,11	0,2	0,23	-0,04
149	LC38_ULS_NL8=Special_Galloping_Dir=NA_C1F4B	AP	18,94	15,59	199,18	24,53	-0,42	0,57	0,7	-0,01
150	LC38_ULS_NL8=Special_Galloping_Dir=NA_C1F4B	AX	-0,53	4,06	-33,06	4,09	-0,03	-0,11	0,11	-0,01
151	LC38_ULS_NL8=Special_Galloping_Dir=NA_C1F4B	AXY	19,1	22,23	-251,41	29,31	-0,66	0,53	0,85	-0,01
152	LC38_ULS_NL8=Special_Galloping_Dir=NA_C1F4B	AY	6,42	3,59	-18,99	7,36	-0,05	0,14	0,15	-0,02
153	LC39_ULS_NL8=Special_Galloping_Dir=NA_C2F1B	AP	16,04	18,81	204,54	24,72	-0,55	0,44	0,7	0,02
154	LC39_ULS_NL8=Special_Galloping_Dir=NA_C2F1B	AX	2,37	6,86	-32,47	7,25	-0,14	0,01	0,14	0,02
155	LC39_ULS_NL8=Special_Galloping_Dir=NA_C2F1B	AXY	22,31	19,43	-256,63	29,59	-0,54	0,66	0,85	0,02
156	LC39_ULS_NL8=Special_Galloping_Dir=NA_C2F1B	AY	3,21	0,38	-19,7	3,23	0,09	0	0,09	0

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
157	LC40_ULS_NL8=Special_Galloping_Dir=NA_C2F2B	AP	19,37	15,49	204,61	24,81	-0,41	0,58	0,71	-0,02
158	LC40_ULS_NL8=Special_Galloping_Dir=NA_C2F2B	AX	-0,97	3,55	-32,53	3,68	0	-0,13	0,13	-0,01
159	LC40_ULS_NL8=Special_Galloping_Dir=NA_C2F2B	AXY	18,98	22,74	-256,59	29,62	-0,68	0,52	0,86	-0,02
160	LC40_ULS_NL8=Special_Galloping_Dir=NA_C2F2B	AY	6,54	3,69	-19,76	7,51	-0,05	0,14	0,15	-0,03
161	LC41_ULS_NL8=Special_Galloping_Dir=NA_E1F1B	AP	16,27	17,93	202,95	24,21	-0,51	0,45	0,68	0,01
162	LC41_ULS_NL8=Special_Galloping_Dir=NA_E1F1B	AX	1,53	6,11	-32,69	6,3	-0,11	-0,02	0,11	0,02
163	LC41_ULS_NL8=Special_Galloping_Dir=NA_E1F1B	AXY	21,38	19,71	-255	29,08	-0,55	0,63	0,83	0,01
164	LC41_ULS_NL8=Special_Galloping_Dir=NA_E1F1B	AY	3,54	0,78	-19,52	3,62	0,07	0,02	0,07	0
165	LC42_ULS_NL8=Special_Galloping_Dir=NA_E1F2B	AP	18,41	15,8	202,97	24,25	-0,43	0,54	0,69	-0,01
166	LC42_ULS_NL8=Special_Galloping_Dir=NA_E1F2B	AX	-0,61	3,98	-32,7	4,02	-0,02	-0,11	0,11	0
167	LC42_ULS_NL8=Special_Galloping_Dir=NA_E1F2B	AXY	19,25	21,84	-255	29,11	-0,64	0,54	0,84	-0,01
168	LC42_ULS_NL8=Special_Galloping_Dir=NA_E1F2B	AY	5,67	2,92	-19,53	6,38	-0,02	0,11	0,11	-0,02
169	LC43_ULS_NL8=Special_Galloping_Dir=NA_E2F1B	AP	15,35	15,03	177,16	21,49	-0,42	0,44	0,61	0
170	LC43_ULS_NL8=Special_Galloping_Dir=NA_E2F1B	AX	-0,15	5,56	-40,66	5,56	-0,09	-0,07	0,12	0
171	LC43_ULS_NL8=Special_Galloping_Dir=NA_E2F1B	AXY	18,47	18,85	-229,24	26,39	-0,54	0,54	0,76	0
172	LC43_ULS_NL8=Special_Galloping_Dir=NA_E2F1B	AY	3,85	2,25	-11,52	4,46	0	0,05	0,05	-0,01
173	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	AP	30,84	36,03	389,11	47,43	-1,02	0,89	1,35	0,01
174	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	AX	-1,75	16,69	-111,26	16,78	-0,37	-0,17	0,41	0,02
175	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	AXY	36,36	37	-441,79	51,87	-1,03	1,09	1,5	0,02
176	LC44_SpLS_Torsional_1_NL1a=Wind_Dir=0_Missing_FL	AY	-0,21	10,56	57,56	10,56	-0,16	-0,14	0,21	0
177	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	AP	55,13	62,92	694,65	83,66	-1,81	1,54	2,38	0,03
178	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	AX	6,59	20,57	-87,55	21,6	-0,41	0	0,41	0,05
179	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	AXY	64	59,16	-748,45	87,15	-1,65	1,91	2,52	0,04
180	LC45_SpLS_Torsional_1_NL3=Wind+Ice_Dir=0_Missing_FL	AY	4,61	9,87	30,5	10,89	0	-0,12	0,12	0
181	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	AP	33,03	32,7	385,23	46,48	-0,93	0,94	1,32	0
182	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	AX	3,73	7,78	-26,68	8,63	-0,1	-0,03	0,1	0,01
183	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	AXY	35,75	36,39	-438	51,01	-1,06	1,02	1,47	0,01
184	LC46_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=0_Missing_FL	AY	8,12	4,39	-26,92	9,23	0,01	0,11	0,11	-0,02
185	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	AP	33,45	37,31	414,17	50,11	-1,08	0,94	1,43	0,01
186	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	AX	4,28	11,93	-49,38	12,68	-0,23	0	0,23	0,03
187	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	AXY	40	37,49	-469,35	54,82	-1,06	1,18	1,58	0,02
188	LC47_SpLS_Torsional_1_NL6a=Cons+Main_Dir=0_Missing_FL	AY	5,14	4,7	-7,08	6,97	0,03	0	0,03	0
189	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	AP	33,17	36,99	409,55	49,68	-1,07	0,93	1,42	0,01
190	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	AX	3,99	12,26	-54,13	12,9	-0,24	-0,01	0,24	0,03
191	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	AXY	40,29	37,73	-472,83	55,19	-1,06	1,19	1,6	0,02
192	LC48_SpLS_Torsional_1_NL6b=Linesmen_Dir=0_Missing_FL	AY	5,42	4,46	-10,42	7,02	0,04	0	0,04	0
193	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	AP	37,37	34,97	424,14	51,18	-0,95	1,11	1,46	-0,02
194	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	AX	-4,08	12,41	-99,73	13,06	-0,19	-0,3	0,35	-0,01
195	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	AXY	35,66	42,83	-477,09	55,73	-1,24	1,02	1,61	-0,02
196	LC49_SpLS_Torsional_2_NL1a=Wind_Dir=0_Missing_FR	AY	4,65	13,21	46,31	14,01	-0,26	0,03	0,27	-0,04
197	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	AP	70,19	60,92	776,38	92,94	-1,65	2,06	2,64	-0,04
198	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	AX	0,88	11,36	-65,25	11,39	-0,01	-0,31	0,31	-0,01
199	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	AXY	62,41	72,79	-830,53	95,89	-2,15	1,75	2,77	-0,04
200	LC50_SpLS_Torsional_2_NL3=Wind+Ice_Dir=0_Missing_FR	AY	15,4	16,47	8,53	22,55	-0,26	0,26	0,37	-0,08
201	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	AP	37,01	32,34	409,26	49,14	-0,89	1,08	1,4	-0,02
202	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	AX	1,64	5,93	-29,27	6,16	0	-0,13	0,13	0
203	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	AXY	35,51	40,04	-462,23	53,52	-1,18	0,99	1,54	-0,01
204	LC51_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=0_Missing_FR	AY	10,21	6,58	-24,14	12,15	-0,07	0,19	0,2	-0,04
205	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	AP	41,79	36,12	460,31	55,23	-0,98	1,23	1,57	-0,03
206	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	AX	1,14	6,75	-37,78	6,84	0	-0,17	0,17	-0,01
207	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	AXY	39,27	44,93	-515,84	59,68	-1,33	1,09	1,72	-0,02
208	LC52_SpLS_Torsional_2_NL6a=Cons+Main_Dir=0_Missing_FR	AY	11,02	8,21	-18,32	13,74	-0,11	0,2	0,23	-0,05
209	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	AP	41,5	35,8	455,7	54,81	-0,97	1,22	1,56	-0,03
210	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	AX	0,86	7,07	-42,53	7,13	-0,01	-0,17	0,17	-0,01
211	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	AXY	39,56	45,17	-519,33	60,04	-1,33	1,11	1,73	-0,02
212	LC53_SpLS_Torsional_2_NL6b=Linesmen_Dir=0_Missing_FR	AY	11,3	7,97	-21,67	13,83	-0,1	0,21	0,24	-0,05
213	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	AP	26,78	10,24	209,24	28,67	-0,13	0,94	0,95	-0,09
214	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	AX	-18,74	6,06	-149,07	19,7	0,02	-0,75	0,75	-0,09
215	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	AXY	9,7	33,82	-262,92	35,19	-1,07	0,19	1,09	-0,09
216	LC54_SpLS_Torsional_3_NL1a=Wind_Dir=0_Missing_BL	AY	5,51	22,45	96,97	23,11	-0,7	0,23	0,74	-0,1
217	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	AP	47,89	11,08	340,25	49,16	0	1,69	1,69	-0,18
218	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	AX	-30,09	0,64	-189,09	30,1	0,36	-1,25	1,3	-0,18
219	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	AXY	10,32	54,58	-396,69	55,54	-1,78	0,09	1,78	-0,19
220	LC55_SpLS_Torsional_3_NL3=Wind+Ice_Dir=0_Missing_BL	AY	14,8	36,74	135,47	39,61	-1,19	0,59	1,33	-0,2
221	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	AP	28,83	4,18	187,8	29,13	0,06	1,01	1,01	-0,12
222	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	AX	-15,38	-3,95	-70,28	15,88	0,34	-0,68	0,76	-0,12
223	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	AXY	6,17	33,23	-241,68	33,79	-1,11	0,02	1,11	-0,12
224	LC56_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=0_Missing_BL	AY	14,49	17,87	18,39	23,01	-0,61	0,53	0,81	-0,13
225	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	AP	29,14	5,5	196,18	29,66	0,04	1,03	1,03	-0,12
226	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	AX	-18,14	-0,61	-107,86	18,15	0,25	-0,76	0,8	-0,12
227	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	AXY	6,76	34,6	-252,58	35,25	-1,14	0,05	1,14	-0,12
228	LC57_SpLS_Torsional_3_NL6a=Cons+Main_Dir=0_Missing_BL	AY	11,79	20,93	53,53	24,02	-0,69	0,45	0,83	-0,13
229	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	AP	28,86	5,17	191,48	29,32	0,05	1,02	1,02	-0,11
230	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	AX	-18,42	-0,29	-112,62	18,42	0,24	-0,77	0,81	-0,12
231	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	AXY	7,04	34,83	-255,99	35,53	-1,15	0,06	1,15	-0,12
232	LC58_SpLS_Torsional_3_NL6b=Linesmen_Dir=0_Missing_BL	AY	12,07	20,69	50,21	23,96	-0,69	0,46	0,82	-0,12
233	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	AP	3,88	32,9	214,48	33,12	-1,06	-0,02	1,06	0,12
234	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	AX	4,16	28,64	-154,51	28,94	-0,91	0,21	0,94	0,12

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
235	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	AXY	33,17	11,25	-266,24	35,03	-0,12	1,17	1,18	0,12
236	LC59_SpLS_Torsional_4_NL1a=Wind_Dir=0_Missing_BR	AY	-17,97	-0,21	100,5	17,97	0,25	-0,75	0,79	0,11
237	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	AP	1,17	57,15	347,89	57,16	-1,91	-0,26	1,92	0,25
238	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	AX	16,64	46,48	-197,34	49,37	-1,55	0,71	1,7	0,26
239	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	AXY	57,77	8,75	-400,59	58,43	0,15	2,08	2,09	0,24
240	LC60_SpLS_Torsional_4_NL3=Wind+Ice_Dir=0_Missing_BR	AY	-32,67	-9,33	140	33,97	0,74	-1,39	1,57	0,23
241	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	AP	2,85	29,83	193,2	29,96	-1	-0,08	1	0,12
242	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	AX	10,6	21,63	-75,84	24,09	-0,72	0,41	0,83	0,13
243	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	AXY	32,7	7,65	-244,93	33,59	-0,03	1,13	1,13	0,12
244	LC61_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=0_Missing_BR	AY	-12,04	-7,77	21,81	14,33	0,47	-0,58	0,75	0,11
245	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	AP	0,19	34,2	203,93	34,2	-1,15	-0,18	1,16	0,15
246	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	AX	10,82	28,01	-115,82	30,02	-0,94	0,45	1,04	0,16
247	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	AXY	36,58	5,98	-257,85	37,06	0,07	1,3	1,3	0,15
248	LC62_SpLS_Torsional_4_NL6a=Cons+Main_Dir=0_Missing_BR	AY	-18,03	-7,78	59,03	19,64	0,51	-0,8	0,95	0,14
249	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	AP	-0,09	33,88	199,25	33,88	-1,14	-0,19	1,16	0,16
250	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	AX	10,54	28,33	-120,6	30,23	-0,95	0,45	1,05	0,16
251	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	AXY	36,86	6,21	-261,27	37,38	0,06	1,31	1,31	0,15
252	LC63_SpLS_Torsional_4_NL6b=Linesmen_Dir=0_Missing_BR	AY	-17,76	-8,01	55,71	19,48	0,52	-0,79	0,94	0,14
253	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	AP	36,15	34,63	413,89	50,06	-0,96	1,06	1,43	-0,02
254	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	AX	-1,04	10,61	-68,4	10,66	-0,15	-0,2	0,25	0
255	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	AXY	35,73	41,06	-465,21	54,43	-1,2	1,02	1,57	-0,01
256	LC64_SpLS_Longitudinal_1_NL1a=Wind_Dir=0_Missing_Front	AY	6,22	10,2	16,45	11,94	-0,18	0,07	0,19	-0,03
257	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	AP	67,29	60,12	752,84	90,24	-1,68	1,94	2,56	-0,03
258	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	AX	8,2	7,01	9,43	10,79	0,08	-0,07	0,1	0
259	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	AXY	62,82	68,65	-804,7	93,06	-2,04	1,75	2,69	-0,01
260	LC65_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=0_Missing_Front	AY	19,2	9,09	-63,98	21,24	-0,04	0,35	0,35	-0,06
261	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	AP	36,02	32,11	401,08	48,25	-0,9	1,04	1,37	-0,02
262	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	AX	4,17	4,45	-2,99	6,1	0,02	-0,04	0,05	0
263	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	AXY	35,55	38,64	-452,44	52,51	-1,15	0,99	1,51	-0,01
264	LC66_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=0_Missing_Front	AY	11,52	4,14	-48,93	12,24	0	0,22	0,22	-0,03
265	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	AP	40,27	35,8	448,02	53,88	-1	1,16	1,53	-0,02
266	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	AX	5,04	4,51	2,07	6,76	0,04	-0,04	0,06	0
267	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	AXY	39,41	42,74	-501,13	58,14	-1,27	1,1	1,68	-0,01
268	LC67_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=0_Missing_Front	AY	12,98	4,43	-55,94	13,71	0,01	0,25	0,25	-0,04
269	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	AP	39,99	35,57	444,78	53,52	-1	1,15	1,52	-0,02
270	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	AX	4,75	4,74	-1,27	6,71	0,03	-0,05	0,06	0
271	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	AXY	39,69	43,07	-505,99	58,57	-1,28	1,1	1,69	-0,01
272	LC68_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=0_Missing_Front	AY	13,26	4,1	-60,7	13,88	0,02	0,26	0,26	-0,04
273	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	AP	-1,38	6,92	24,46	7,06	-0,19	-0,03	0,19	0,03
274	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	AX	-9,77	16,33	-161,11	19,03	-0,49	-0,26	0,56	0,01
275	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	AXY	6,56	6,15	-75,37	8,99	-0,11	0,27	0,29	0,02
276	LC69_SpLS_Longitudinal_2_NL1a=Wind_Dir=0_Missing_Back	AY	-10,71	8,56	109,95	13,71	-0,2	-0,34	0,4	0,02
277	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	AP	-8,87	5,13	-29,63	10,25	-0,14	-0,25	0,28	0,06
278	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	AX	-12,63	22,65	-224,67	25,94	-0,71	-0,29	0,77	0,04
279	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	AXY	4,43	-0,62	-22,51	4,48	0,14	0,27	0,3	0,03
280	LC70_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=0_Missing_Back	AY	-18,77	9,74	172,03	21,15	-0,21	-0,59	0,62	0,05
281	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	AP	-2,31	1,27	-12,3	2,63	-0,02	-0,06	0,06	0,02
282	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	AX	-5,96	8,54	-93,3	10,42	-0,26	-0,16	0,3	0
283	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	AXY	3,15	2,89	-38,67	4,28	-0,05	0,13	0,14	0,01
284	LC71_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=0_Missing_Back	AY	-4,4	3,15	42,21	5,41	-0,07	-0,14	0,15	0,01
285	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	AP	-5,6	2,3	-26,2	6,05	-0,06	-0,16	0,17	0,03
286	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	AX	-7,66	13,38	-134,63	15,42	-0,42	-0,18	0,46	0,02
287	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	AXY	3,45	0,66	-26,21	3,51	0,05	0,18	0,18	0,02
288	LC72_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=0_Missing_Back	AY	-9,47	4,52	81,87	10,5	-0,09	-0,3	0,31	0,03
289	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	AP	-5,88	1,97	-30,95	6,2	-0,05	-0,17	0,17	0,03
290	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	AX	-7,94	13,71	-139,41	15,85	-0,43	-0,19	0,47	0,02
291	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	AXY	3,73	0,89	-29,55	3,83	0,04	0,19	0,19	0,02
292	LC73_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=0_Missing_Back	AY	-9,19	4,29	78,55	10,14	-0,08	-0,29	0,3	0,03
293	LC74_SeLS_NL1a=Wind_Dir=0	AP	32,07	37,15	403,25	49,08	-1,03	0,95	1,4	0,01
294	LC74_SeLS_NL1a=Wind_Dir=0	AX	-6,75	20,57	-165,47	21,65	-0,47	-0,33	0,57	0,02
295	LC74_SeLS_NL1a=Wind_Dir=0	AXY	35,99	39,5	-454,98	53,44	-1,09	1,09	1,54	0,01
296	LC74_SeLS_NL1a=Wind_Dir=0	AY	-3,81	15,99	112,94	16,44	-0,32	-0,24	0,4	-0,01
297	LC75_SeLS_NL3=Wind+Ice_Dir=0	AP	54,74	59,97	676,92	81,2	-1,68	1,57	2,3	0,02
298	LC75_SeLS_NL3=Wind+Ice_Dir=0	AX	-0,36	23,23	-150,52	23,24	-0,46	-0,22	0,51	0,04
299	LC75_SeLS_NL3=Wind+Ice_Dir=0	AXY	60,56	60,05	-736,29	85,29	-1,67	1,81	2,46	0,02
300	LC75_SeLS_NL3=Wind+Ice_Dir=0	AY	1,43	15,59	88,43	15,66	-0,19	-0,18	0,26	-0,01
301	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	AP	32,21	31,06	372,09	44,75	-0,87	0,93	1,27	-0,01
302	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	AX	1,4	8,48	-47,12	8,59	-0,11	-0,1	0,15	0,01
303	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	AXY	33,86	35,72	-423,93	49,22	-1,03	0,97	1,42	0
304	LC76_SeLS_NL4=MinTemp+Wind_Dir=0	AY	6,72	6,18	-5,31	9,12	-0,05	0,08	0,1	-0,02
305	LC77_SeLS_NL6a=Cons+Main_Dir=0	AP	33,11	35,54	403,56	48,58	-1	0,95	1,38	0,01
306	LC77_SeLS_NL6a=Cons+Main_Dir=0	AX	0,62	13,15	-81,66	13,16	-0,25	-0,11	0,27	0,02
307	LC77_SeLS_NL6a=Cons+Main_Dir=0	AXY	37,82	37,52	-458,46	53,28	-1,05	1,12	1,54	0,01
308	LC77_SeLS_NL6a=Cons+Main_Dir=0	AY	3,27	7,75	25,82	8,41	-0,07	-0,04	0,08	-0,01
309	LC78_SeLS_NL6b=Linesmen_Dir=0	AP	32,88	35,27	399,71	48,22	-0,99	0,94	1,37	0,01
310	LC78_SeLS_NL6b=Linesmen_Dir=0	AX	0,38	13,42	-85,63	13,43	-0,26	-0,12	0,29	0,02
311	LC78_SeLS_NL6b=Linesmen_Dir=0	AXY	38,06	37,72	-461,36	53,58	-1,06	1,13	1,55	0,01
312	LC78_SeLS_NL6b=Linesmen_Dir=0	AY	3,5	7,55	23,04	8,32	-0,06	-0,03	0,07	-0,01

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
313	LC79_SeLS_NL7=Perm_Dir=NA	AP	15,25	14,93	175,74	21,34	-0,42	0,44	0,61	0
314	LC79_SeLS_NL7=Perm_Dir=NA	AX	0,17	5,23	-36,01	5,23	-0,08	-0,06	0,11	0
315	LC79_SeLS_NL7=Perm_Dir=NA	AXY	18,38	18,75	-227,82	26,25	-0,54	0,53	0,76	0
316	LC79_SeLS_NL7=Perm_Dir=NA	AY	4,18	1,93	-16,17	4,6	0,01	0,06	0,06	-0,01
317	LC80_ULS_NL1a=Wind_Dir=38	AP	40,4	45,02	502,91	60,49	-1,22	1,2	1,72	-0,01
318	LC80_ULS_NL1a=Wind_Dir=38	AX	-11,19	24,55	-209,4	26,98	-0,53	-0,52	0,74	0,01
319	LC80_ULS_NL1a=Wind_Dir=38	AXY	41,57	49,93	-557,14	64,97	-1,4	1,24	1,87	0
320	LC80_ULS_NL1a=Wind_Dir=38	AY	-5,32	22,29	154,15	22,92	-0,48	-0,3	0,57	-0,03
321	LC81_ULS_NL3=Wind+Ice_Dir=38	AP	78,33	78,88	929	111,16	-2,19	2,25	3,14	-0,01
322	LC81_ULS_NL3=Wind+Ice_Dir=38	AX	2,8	22,38	-120,43	22,55	-0,33	-0,25	0,41	0,04
323	LC81_ULS_NL3=Wind+Ice_Dir=38	AXY	78,9	82,29	-989,67	114	-2,35	2,3	3,29	0,01
324	LC81_ULS_NL3=Wind+Ice_Dir=38	AY	9,6	18,31	54,94	20,68	-0,2	0	0,2	-0,05
325	LC82_ULS_NL4=MinTemp+Wind_Dir=38	AP	43,95	43,88	517,82	62,1	-1,23	1,27	1,76	-0,01
326	LC82_ULS_NL4=MinTemp+Wind_Dir=38	AX	2,01	12,5	-66,99	12,66	-0,18	-0,13	0,22	0,02
327	LC82_ULS_NL4=MinTemp+Wind_Dir=38	AXY	45,97	47,81	-571,88	66,33	-1,37	1,33	1,91	0
328	LC82_ULS_NL4=MinTemp+Wind_Dir=38	AY	7,1	9,3	11,57	11,7	-0,09	0,05	0,1	-0,03
329	LC83_ULS_NL6a=Cons+Main_Dir=38	AP	50,37	49,47	588,74	70,6	-1,39	1,45	2	-0,01
330	LC83_ULS_NL6a=Cons+Main_Dir=38	AX	3,62	12,34	-55,43	12,86	-0,15	-0,11	0,19	0,02
331	LC83_ULS_NL6a=Cons+Main_Dir=38	AXY	51,86	53,98	-645,99	74,85	-1,56	1,49	2,16	0
332	LC83_ULS_NL6a=Cons+Main_Dir=38	AY	9,62	9,36	-3,6	13,42	-0,07	0,1	0,12	-0,03
333	LC84_ULS_NL6b=Linesmen_Dir=38	AP	50,09	49,15	584,17	70,18	-1,38	1,44	1,99	-0,01
334	LC84_ULS_NL6b=Linesmen_Dir=38	AX	3,34	12,67	-60,19	13,1	-0,16	-0,12	0,2	0,02
335	LC84_ULS_NL6b=Linesmen_Dir=38	AXY	52,15	54,21	-649,52	75,22	-1,57	1,5	2,17	0
336	LC84_ULS_NL6b=Linesmen_Dir=38	AY	9,89	9,12	-6,95	13,45	-0,06	0,11	0,13	-0,03
337	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	AP	39,85	43,16	488,03	58,74	-1,2	1,16	1,67	-0,01
338	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	AX	-3,74	17,97	-126,36	18,36	-0,36	-0,29	0,46	0,01
339	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	AXY	42,18	46,76	-540,6	62,98	-1,33	1,24	1,81	0,01
340	LC85_SpLS_Torsional_1_NL1a=Wind_Dir=38_Missing_FL	AY	0,85	14,61	72,55	14,63	-0,26	-0,13	0,29	-0,02
341	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	AP	76,32	78,67	914,65	109,6	-2,23	2,16	3,1	0
342	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	AX	8,15	19,34	-65,49	20,99	-0,27	-0,07	0,28	0,04
343	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	AXY	78,97	79,14	-967,61	111,8	-2,27	2,3	3,23	0,02
344	LC86_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Missing_FL	AY	11,9	13,4	7,58	17,92	-0,06	0,05	0,08	-0,03
345	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	AP	42,78	43,68	508,75	61,14	-1,24	1,22	1,74	0
346	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	AX	4,84	10,94	-38,15	11,96	-0,15	-0,03	0,16	0,02
347	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	AXY	46,09	46,2	-561,19	65,26	-1,33	1,33	1,88	0,01
348	LC87_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Missing_FL	AY	8,47	6,54	-15,79	10,7	-0,01	0,08	0,08	-0,02
349	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	AP	49,26	49,34	580,12	69,72	-1,4	1,4	1,98	-0,01
350	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	AX	6,31	10,9	-27,94	12,59	-0,13	-0,02	0,13	0,02
351	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	AXY	51,9	52,46	-634,95	73,79	-1,52	1,49	2,13	0,01
352	LC88_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Missing_FL	AY	10,87	6,86	-28,86	12,85	0	0,13	0,13	-0,02
353	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	AP	48,98	49,02	575,54	69,29	-1,39	1,39	1,97	-0,01
354	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	AX	6,02	11,22	-32,68	12,74	-0,14	-0,03	0,14	0,02
355	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	AXY	52,18	52,7	-638,48	74,17	-1,53	1,5	2,14	0,01
356	LC89_SpLS_Torsional_1_NL6b=Linesmen_Dir=38_Missing_FL	AY	11,14	6,62	-32,21	12,96	0,01	0,14	0,14	-0,02
357	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	AP	44,72	42,39	514,71	61,62	-1,15	1,33	1,75	-0,03
358	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	AX	-5,51	14,83	-118,6	15,82	-0,22	-0,38	0,44	0
359	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	AXY	41,72	51,05	-567,49	65,93	-1,48	1,19	1,9	-0,02
360	LC90_SpLS_Torsional_2_NL1a=Wind_Dir=38_Missing_FR	AY	4,37	16,55	65	17,12	-0,34	0	0,34	-0,05
361	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	AP	87,87	77,24	978,33	116,99	-2,1	2,56	3,31	-0,05
362	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	AX	3,76	12,4	-49,5	12,95	0,03	-0,31	0,31	-0,01
363	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	AXY	77,88	89,45	-1031,48	118,6	-2,65	2,17	3,43	-0,04
364	LC91_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Missing_FR	AY	20	18,36	-8,21	27,15	-0,25	0,34	0,42	-0,09
365	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	AP	49,03	42,92	544,03	65,16	-1,18	1,43	1,85	-0,03
366	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	AX	2,52	7,11	-29,22	7,54	0,01	-0,16	0,16	0
367	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	AXY	45,6	51,82	-596,69	69,03	-1,53	1,27	1,99	-0,02
368	LC92_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Missing_FR	AY	12,84	9,15	-24,49	15,76	-0,11	0,23	0,26	-0,05
369	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	AP	55,45	48,48	615,02	73,65	-1,33	1,61	2,09	-0,03
370	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	AX	3,99	7,07	-19,87	8,11	0,04	-0,14	0,15	0
371	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	AXY	51,45	57,86	-670,12	77,43	-1,71	1,43	2,23	-0,02
372	LC93_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Missing_FR	AY	15,13	9,34	-36,66	17,78	-0,09	0,28	0,29	-0,06
373	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	AP	55,17	48,16	610,46	73,23	-1,32	1,61	2,08	-0,03
374	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	AX	3,71	7,39	-24,62	8,27	0,03	-0,15	0,15	0
375	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	AXY	51,74	58,1	-673,66	77,79	-1,72	1,44	2,25	-0,02
376	LC94_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Missing_FR	AY	15,4	9,1	-40,01	17,89	-0,08	0,29	0,3	-0,06
377	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	AP	33,27	7,16	232,02	34,04	0,03	1,19	1,19	-0,14
378	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	AX	-24,98	1,94	-156,45	25,05	0,22	-1,01	1,03	-0,14
379	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	AXY	5,58	41,03	-286,09	41,41	-1,35	-0,01	1,35	-0,14
380	LC95_SpLS_Torsional_3_NL1a=Wind_Dir=38_Missing_BL	AY	9,87	28,63	104,75	30,29	-0,94	0,41	1,02	-0,15
381	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	AP	64,94	10,33	438,02	65,76	0,12	2,27	2,28	-0,26
382	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	AX	-35,25	-9,21	-154,8	36,43	0,79	-1,55	1,74	-0,25
383	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	AXY	9,6	70,73	-494,84	71,38	-2,37	-0,07	2,37	-0,26
384	LC96_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Missing_BL	AY	27,32	43,89	101,57	51,7	-1,48	1,03	1,8	-0,28
385	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	AP	36,79	4,58	237,49	37,07	0,11	1,3	1,3	-0,15
386	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	AX	-20,76	-5,45	-92,44	21,46	0,46	-0,91	1,02	-0,15
387	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	AXY	5,77	41,64	-291,64	42,04	-1,4	-0,04	1,4	-0,15
388	LC97_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Missing_BL	AY	17,43	24,43	40,82	30,01	-0,83	0,65	1,06	-0,17
389	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	AP	42,27	5	271,44	42,57	0,13	1,48	1,49	-0,18
390	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	AX	-22,12	-7,99	-83,62	23,52	0,57	-0,99	1,15	-0,17

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
391	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	AXY	6,34	47,09	-328,24	47,51	-1,59	-0,06	1,6	-0,18
392	LC98_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Missing_BL	AY	21,31	26,61	29,7	34,09	-0,92	0,78	1,21	-0,19
393	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	AP	41,99	4,67	266,77	42,25	0,14	1,47	1,48	-0,18
394	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	AX	-22,4	-7,66	-88,37	23,67	0,56	-1	1,15	-0,17
395	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	AXY	6,63	47,32	-331,68	47,78	-1,6	-0,05	1,6	-0,18
396	LC99_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Missing_BL	AY	21,59	26,37	26,36	34,08	-0,91	0,79	1,21	-0,19
397	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	AP	1,74	38,25	237,5	38,29	-1,26	-0,13	1,27	0,15
398	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	AX	6,57	32,91	-162,22	33,56	-1,07	0,31	1,12	0,16
399	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	AXY	37,67	10,06	-289	38,99	-0,04	1,34	1,34	0,15
400	LC100_SpLS_Torsional_4_NL1a=Wind_Dir=38_Missing_BR	AY	-22,22	-2,46	107,95	22,36	0,36	-0,93	1	0,14
401	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	AP	4,22	70,05	445,91	70,18	-2,35	-0,26	2,36	0,29
402	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	AX	25,48	50,17	-163,57	56,27	-1,69	1	1,96	0,31
403	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	AXY	70,91	11,35	-498	71,81	0,13	2,51	2,51	0,29
404	LC101_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Missing_BR	AY	-34,01	-15,84	105,62	37,51	1,02	-1,53	1,84	0,27
405	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	AP	1,26	39,54	243,14	39,56	-1,34	-0,19	1,35	0,17
406	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	AX	14,77	29,4	-98,37	32,91	-0,99	0,58	1,15	0,18
407	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	AXY	41,82	6,79	-294,43	42,37	0,07	1,47	1,48	0,17
408	LC102_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Missing_BR	AY	-18,62	-10,54	43,89	21,4	0,63	-0,86	1,06	0,16
409	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	AP	2,14	44,6	279,49	44,65	-1,51	-0,2	1,52	0,19
410	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	AX	18,02	31,48	-92,02	36,28	-1,07	0,69	1,27	0,2
411	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	AXY	47,27	7,62	-332,98	47,88	0,07	1,66	1,66	0,19
412	LC103_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Missing_BR	AY	-19,63	-13	34,78	23,54	0,74	-0,93	1,19	0,18
413	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	AP	1,86	44,28	274,84	44,31	-1,5	-0,2	1,51	0,19
414	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	AX	17,74	31,81	-96,79	36,42	-1,08	0,68	1,28	0,2
415	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	AXY	47,56	7,86	-336,43	48,2	0,06	1,67	1,67	0,19
416	LC104_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Missing_BR	AY	-19,35	-13,24	31,46	23,45	0,75	-0,92	1,19	0,18
417	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	AP	43,86	42,23	507,7	60,88	-1,16	1,29	1,73	-0,02
418	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	AX	-3,28	13,56	-95,72	13,95	-0,2	-0,31	0,37	0
419	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	AXY	41,79	49,8	-558,85	65,01	-1,45	1,18	1,87	-0,01
420	LC105_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Missing_Front	AY	5,48	14,41	43,59	15,42	-0,27	0,02	0,27	-0,04
421	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	AP	85,68	76,72	960,85	115,01	-2,13	2,46	3,25	-0,05
422	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	AX	9,33	9,11	7,56	13,04	0,1	-0,12	0,16	0
423	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	AXY	78,19	86,37	-1011,74	116,5	-2,57	2,18	3,37	-0,02
424	LC106_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Missing_Front	AY	22,88	12,83	-63,08	26,23	-0,09	0,4	0,41	-0,08
425	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	AP	47,87	42,67	534,73	64,13	-1,19	1,38	1,82	-0,03
426	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	AX	5,51	5,39	1,34	7,7	0,05	-0,06	0,08	0
427	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	AXY	45,73	50,16	-585,79	67,88	-1,49	1,27	1,96	-0,01
428	LC107_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Missing_Front	AY	14,35	6,23	-53,56	15,64	-0,02	0,27	0,27	-0,05
429	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	AP	54,35	48,3	606,17	72,71	-1,35	1,56	2,07	-0,03
430	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	AX	6,83	5,46	9,34	8,74	0,07	-0,05	0,09	0
431	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	AXY	51,5	56,3	-658,87	76,3	-1,68	1,43	2,2	-0,01
432	LC108_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Missing_Front	AY	16,52	6,69	-63,62	17,83	-0,01	0,31	0,31	-0,05
433	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	AP	54,35	48,3	606,17	72,71	-1,35	1,56	2,07	-0,03
434	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	AX	6,83	5,46	9,34	8,74	0,07	-0,05	0,09	0
435	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	AXY	51,5	56,3	-658,87	76,3	-1,68	1,43	2,2	-0,01
436	LC109_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Missing_Front	AY	16,52	6,69	-63,62	17,83	-0,01	0,31	0,31	-0,05
437	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	AP	-5,66	2,37	-25,34	6,14	-0,05	-0,14	0,15	0,02
438	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	AX	-12,39	15,82	-169,64	20,1	-0,48	-0,34	0,59	0,01
439	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	AXY	1,09	2,77	-25,62	2,98	-0,02	0,1	0,1	0,01
440	LC110_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Missing_Back	AY	-12,14	9,23	118,54	15,25	-0,25	-0,37	0,44	0,02
441	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	AP	-9,19	2,23	-47,55	9,46	-0,05	-0,25	0,26	0,04
442	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	AX	-12,17	19,06	-196,61	22,62	-0,6	-0,29	0,67	0,03
443	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	AXY	1,72	-1,23	-4,65	2,12	0,14	0,16	0,21	0,03
444	LC111_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Missing_Back	AY	-15,91	8,44	144,03	18	-0,2	-0,49	0,53	0,04
445	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	AP	-5,84	0,52	-37,2	5,86	-0,01	-0,16	0,16	0,03
446	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	AX	-7,79	11,53	-122,36	13,91	-0,36	-0,19	0,41	0,01
447	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	AXY	1,6	0,23	-13,71	1,62	0,05	0,11	0,12	0,01
448	LC112_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Missing_Back	AY	-8,21	4,22	71,21	9,23	-0,1	-0,25	0,27	0,02
449	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	AP	-5,89	0,5	-37,76	5,91	-0,01	-0,17	0,17	0,02
450	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	AX	-7,5	11,29	-118,81	13,56	-0,36	-0,18	0,4	0,01
451	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	AXY	1,72	0,24	-14,69	1,74	0,05	0,11	0,12	0,01
452	LC113_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Missing_Back	AY	-7,88	3,82	66,1	8,75	-0,09	-0,24	0,26	0,02
453	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	AP	-6,17	0,17	-42,52	6,18	0	-0,17	0,17	0,03
454	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	AX	-7,78	11,62	-123,59	13,99	-0,37	-0,19	0,41	0,01
455	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	AXY	2	0,48	-18,04	2,06	0,04	0,12	0,13	0,01
456	LC114_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Missing_Back	AY	-7,59	3,59	62,78	8,4	-0,08	-0,23	0,25	0,02
457	LC115_SeLS_NL1a=Wind_Dir=38	AP	38,53	42,49	477,21	57,36	-1,16	1,14	1,63	-0,01
458	LC115_SeLS_NL1a=Wind_Dir=38	AX	-9,51	22,22	-186,31	24,17	-0,47	-0,46	0,66	0,01
459	LC115_SeLS_NL1a=Wind_Dir=38	AXY	39,73	47,15	-528,89	61,66	-1,32	1,18	1,77	0
460	LC115_SeLS_NL1a=Wind_Dir=38	AY	-3,97	20,03	133,72	20,42	-0,43	-0,26	0,5	-0,03
461	LC116_SeLS_NL3=Wind+Ice_Dir=38	AP	74,53	74,9	883,59	105,67	-2,09	2,14	2,99	-0,01
462	LC116_SeLS_NL3=Wind+Ice_Dir=38	AX	3,16	20,82	-109,28	21,06	-0,3	-0,22	0,37	0,03
463	LC116_SeLS_NL3=Wind+Ice_Dir=38	AXY	75,26	78,26	-942,14	108,58	-2,24	2,19	3,13	0,01
464	LC116_SeLS_NL3=Wind+Ice_Dir=38	AY	9,6	16,92	46,38	19,46	-0,18	0,01	0,18	-0,04
465	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	AP	41,85	41,68	492,69	59,07	-1,17	1,21	1,68	-0,01
466	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	AX	2,2	11,61	-60,5	11,82	-0,16	-0,11	0,2	0,02
467	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	AXY	43,83	45,45	-544,22	63,14	-1,3	1,27	1,82	0
468	LC117_SeLS_NL4=MinTemp+Wind_Dir=38	AY	7,03	8,57	7,76	11,08	-0,08	0,05	0,09	-0,02

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
469	LC118_SeLS_NL6a=Cons+Main_Dir=38	AP	47,96	47	560,22	67,16	-1,32	1,38	1,91	-0,01
470	LC118_SeLS_NL6a=Cons+Main_Dir=38	AX	3,74	11,45	-49,49	12,05	-0,14	-0,09	0,17	0,02
471	LC118_SeLS_NL6a=Cons+Main_Dir=38	AXY	49,44	51,32	-614,8	71,26	-1,48	1,42	2,05	0
472	LC118_SeLS_NL6a=Cons+Main_Dir=38	AY	9,42	8,62	-6,68	12,77	-0,06	0,1	0,12	-0,03
473	LC119_SeLS_NL6b=Linesmen_Dir=38	AP	47,73	46,74	556,41	66,8	-1,31	1,37	1,9	-0,01
474	LC119_SeLS_NL6b=Linesmen_Dir=38	AX	3,51	11,73	-53,45	12,24	-0,15	-0,1	0,18	0,02
475	LC119_SeLS_NL6b=Linesmen_Dir=38	AXY	49,68	51,52	-617,73	71,57	-1,49	1,43	2,06	0
476	LC119_SeLS_NL6b=Linesmen_Dir=38	AY	9,65	8,42	-9,47	12,81	-0,05	0,11	0,12	-0,03
477	LC120_ULS_NL1a=Wind_Dir=-45	AP	31,34	33,26	370,17	45,7	-0,94	0,91	1,31	0,01
478	LC120_ULS_NL1a=Wind_Dir=-45	AX	1,06	13,03	-79,55	13,07	-0,27	-0,08	0,28	0,01
479	LC120_ULS_NL1a=Wind_Dir=-45	AXY	35,79	35,56	-424,49	50,46	-1,01	1,07	1,47	0,01
480	LC120_ULS_NL1a=Wind_Dir=-45	AY	3,91	8,01	24,39	8,92	-0,1	0	0,1	0
481	LC121_ULS_NL3=Wind+Ice_Dir=-45	AP	45,7	49,79	561,52	67,58	-1,38	1,33	1,92	0,02
482	LC121_ULS_NL3=Wind+Ice_Dir=-45	AX	-2,35	21,56	-156,6	21,68	-0,44	-0,24	0,5	0,03
483	LC121_ULS_NL3=Wind+Ice_Dir=-45	AXY	51,3	51,16	-623,66	72,46	-1,41	1,55	2,09	0,01
484	LC121_ULS_NL3=Wind+Ice_Dir=-45	AY	0,18	14,68	92,58	14,68	-0,2	-0,17	0,27	-0,01
485	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	AP	23,46	25,63	286,17	34,74	-0,71	0,69	0,99	0,01
486	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	AX	-2,16	12,51	-97,62	12,69	-0,27	-0,15	0,31	0,01
487	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	AXY	28,06	28,08	-340,67	39,69	-0,77	0,85	1,15	0
488	LC122_ULS_NL4=MinTemp+Wind_Dir=-45	AY	0,62	7,55	42,65	7,57	-0,1	-0,08	0,13	-0,01
489	LC123_ULS_NL6a=Cons+Main_Dir=-45	AP	26,09	28,01	315,81	38,28	-0,78	0,76	1,09	0,01
490	LC123_ULS_NL6a=Cons+Main_Dir=-45	AX	-1,46	12,51	-92,97	12,6	-0,26	-0,14	0,29	0,02
491	LC123_ULS_NL6a=Cons+Main_Dir=-45	AXY	30,7	30,82	-373,66	43,5	-0,86	0,92	1,26	0,01
492	LC123_ULS_NL6a=Cons+Main_Dir=-45	AY	1,76	7,46	34,53	7,66	-0,09	-0,05	0,1	-0,01
493	LC124_ULS_NL6b=Linesmen_Dir=-45	AP	25,81	27,69	311,16	37,85	-0,77	0,75	1,08	0,01
494	LC124_ULS_NL6b=Linesmen_Dir=-45	AX	-1,75	12,84	-97,73	12,96	-0,27	-0,15	0,31	0,01
495	LC124_ULS_NL6b=Linesmen_Dir=-45	AXY	30,99	31,05	-377,11	43,87	-0,87	0,93	1,27	0
496	LC124_ULS_NL6b=Linesmen_Dir=-45	AY	2,03	7,22	31,2	7,5	-0,08	-0,04	0,09	-0,01
497	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	AP	25,63	28,52	310	38,34	-0,84	0,72	1,1	0,01
498	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	AX	4,72	9,15	-31,49	10,3	-0,19	0,06	0,19	0,02
499	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	AXY	31,9	29,05	-362,78	43,14	-0,82	0,95	1,25	0,02
500	LC125_SpLS_Torsional_1_NL1a=Wind_Dir=-45_Missing_FL	AY	5,62	2,53	-22,11	6,17	0,05	0,05	0,07	0,01
501	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	AP	41,8	48,77	530,25	64,24	-1,43	1,15	1,83	0,03
502	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	AX	8,49	15	-45,43	17,24	-0,31	0,11	0,33	0,05
503	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	AXY	51,81	44,94	-584,6	68,59	-1,25	1,55	1,99	0,04
504	LC126_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-45_Missing_FL	AY	5,68	3,97	-11,09	6,93	0,11	-0,04	0,12	0,01
505	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	AP	21,21	25,07	268	32,84	-0,74	0,59	0,94	0,02
506	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	AX	3,81	9,02	-37,06	9,79	-0,2	0,04	0,2	0,02
507	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	AXY	28,49	24,74	-320,83	37,73	-0,69	0,85	1,1	0,02
508	LC127_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-45_Missing_FL	AY	3,75	1,49	-16,49	4,03	0,08	0	0,08	0,01
509	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	AP	23,85	27,5	297,7	36,4	-0,81	0,66	1,04	0,02
510	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	AX	4,5	9,07	-32,47	10,13	-0,19	0,05	0,19	0,02
511	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	AXY	31,08	27,48	-353,08	41,49	-0,77	0,92	1,2	0,02
512	LC128_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-45_Missing_FL	AY	4,82	1,51	-23,78	5,05	0,09	0,02	0,09	0,01
513	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	AP	23,57	27,18	293,05	35,97	-0,8	0,65	1,03	0,02
514	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	AX	4,22	9,4	-37,22	10,3	-0,2	0,04	0,2	0,03
515	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	AXY	31,36	27,72	-356,53	41,86	-0,78	0,93	1,22	0,02
516	LC129_SpLS_Torsional_1_NL6b=Linesmen_Dir=-45_Missing_FL	AY	5,1	1,28	-27,12	5,26	0,09	0,03	0,1	0,01
517	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	AP	32,38	28,1	350,49	42,87	-0,77	0,96	1,23	-0,01
518	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	AX	0,8	6,58	-40,75	6,63	-0,05	-0,12	0,13	-0,01
519	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	AXY	31,43	35,53	-403,54	47,44	-1,05	0,89	1,37	-0,02
520	LC130_SpLS_Torsional_2_NL1a=Wind_Dir=-45_Missing_FR	AY	8,88	6,89	-12,56	11,24	-0,1	0,18	0,2	-0,03
521	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	AP	57,2	47,72	620,39	74,5	-1,27	1,7	2,13	-0,04
522	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	AX	-0,63	9,13	-65,9	9,16	0,01	-0,29	0,29	-0,02
523	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	AXY	50,34	59,85	-675,13	78,21	-1,77	1,4	2,26	-0,04
524	LC131_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-45_Missing_FR	AY	13,28	14,19	9,78	19,43	-0,24	0,25	0,35	-0,07
525	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	AP	29,63	24,46	317,87	38,42	-0,65	0,89	1,1	-0,02
526	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	AX	-1,31	5,85	-49,89	6	-0,02	-0,18	0,18	-0,01
527	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	AXY	27,71	32,96	-371,03	43,06	-0,97	0,77	1,24	-0,02
528	LC132_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-45_Missing_FR	AY	7,77	7,18	-3,32	10,58	-0,12	0,16	0,2	-0,04
529	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	AP	32,36	26,78	347,98	42,01	-0,72	0,97	1,2	-0,02
530	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	AX	-0,76	5,86	-46,78	5,91	-0,01	-0,18	0,18	-0,01
531	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	AXY	30,3	35,66	-403,75	46,79	-1,05	0,84	1,35	-0,02
532	LC133_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-45_Missing_FR	AY	8,8	7,24	-9,08	11,4	-0,11	0,18	0,21	-0,04
533	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	AP	32,08	26,46	343,34	41,58	-0,7	0,96	1,19	-0,02
534	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	AX	-1,04	6,19	-51,54	6,27	-0,02	-0,19	0,19	-0,01
535	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	AXY	30,58	35,89	-407,21	47,15	-1,06	0,85	1,36	-0,02
536	LC134_SpLS_Torsional_2_NL6b=Linesmen_Dir=-45_Missing_FR	AY	9,08	7	-12,42	11,46	-0,11	0,19	0,21	-0,04
537	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	AP	24,24	10,26	191,43	26,32	-0,18	0,82	0,84	-0,07
538	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	AX	-11,07	3,34	-91,79	11,56	0,06	-0,48	0,48	-0,07
539	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	AXY	12,18	28,97	-244,9	31,43	-0,92	0,28	0,96	-0,07
540	LC135_SpLS_Torsional_3_NL1a=Wind_Dir=-45_Missing_BL	AY	8,19	14,84	39,49	16,95	-0,46	0,28	0,54	-0,07
541	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	AP	38,93	9,93	279,49	40,18	-0,02	1,38	1,38	-0,14
542	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	AX	-25,78	3,27	-183,24	25,98	0,21	-1,04	1,07	-0,14
543	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	AXY	10,02	45,18	-335,7	46,28	-1,45	0,14	1,46	-0,15
544	LC136_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-45_Missing_BL	AY	10,51	31,08	129,39	32,81	-0,99	0,44	1,08	-0,16
545	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	AP	19,92	4,72	137,31	20,47	0,01	0,71	0,71	-0,07
546	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	AX	-14,58	2,97	-112,26	14,88	0,07	-0,58	0,58	-0,08

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
547	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	AXY	6,35	25,01	-190,91	25,81	-0,8	0,11	0,81	-0,08
548	LC137_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-45_Missing_BL	AY	6,22	16,02	60,09	17,19	-0,51	0,25	0,57	-0,08
549	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	AP	22,14	4,91	150,67	22,68	0,01	0,79	0,79	-0,08
550	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	AX	-15,12	1,94	-107,93	15,24	0,12	-0,61	0,62	-0,09
551	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	AXY	6,62	27,41	-206,85	28,2	-0,89	0,1	0,89	-0,09
552	LC138_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-45_Missing_BL	AY	7,97	16,86	53,38	18,65	-0,55	0,31	0,63	-0,09
553	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	AP	21,86	4,58	145,97	22,33	0,02	0,78	0,78	-0,08
554	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	AX	-15,4	2,27	-112,7	15,56	0,11	-0,62	0,63	-0,09
555	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	AXY	6,91	27,64	-210,25	28,49	-0,89	0,11	0,9	-0,09
556	LC139_SpLS_Torsional_3_NL6b=Linesmen_Dir=-45_Missing_BL	AY	8,25	16,63	50,06	18,56	-0,54	0,32	0,63	-0,09
557	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	AP	6,88	27,5	196,55	28,34	-0,89	0,1	0,89	0,1
558	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	AX	6,29	20,53	-97,04	21,47	-0,65	0,25	0,69	0,09
559	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	AXY	30,12	11,79	-248,5	32,34	-0,19	1,03	1,05	0,09
560	LC140_SpLS_Torsional_4_NL1a=Wind_Dir=-45_Missing_BR	AY	-9,75	-2,4	43,22	10,04	0,27	-0,46	0,53	0,09
561	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	AP	2,42	46,01	286,93	46,08	-1,51	-0,14	1,52	0,2
562	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	AX	10,74	39,2	-191,12	40,65	-1,28	0,49	1,37	0,2
563	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	AXY	47,32	9,26	-340,15	48,22	0,06	1,7	1,7	0,18
564	LC141_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-45_Missing_BR	AY	-26,79	-5,02	134,29	27,26	0,52	-1,12	1,23	0,18
565	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	AP	0,75	23,72	142,49	23,74	-0,78	-0,09	0,79	0,11
566	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	AX	4,59	21,93	-117,57	22,41	-0,71	0,23	0,75	0,1
567	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	AXY	26,11	6,06	-194,45	26,8	0	0,93	0,93	0,09
568	LC142_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-45_Missing_BR	AY	-13,54	-2,98	63,75	13,87	0,29	-0,57	0,64	0,09
569	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	AP	1,06	25,92	158,2	25,94	-0,86	-0,1	0,86	0,12
570	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	AX	5,96	22,9	-115,6	23,66	-0,75	0,27	0,8	0,11
571	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	AXY	28,59	6,45	-212,49	29,31	0	1,02	1,02	0,1
572	LC143_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-45_Missing_BR	AY	-14	-4,15	59,16	14,6	0,34	-0,61	0,69	0,1
573	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	AP	0,78	25,59	153,51	25,61	-0,84	-0,1	0,85	0,12
574	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	AX	5,68	23,23	-120,38	23,91	-0,76	0,27	0,8	0,11
575	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	AXY	28,87	6,68	-215,89	29,64	-0,01	1,03	1,03	0,1
576	LC144_SpLS_Torsional_4_NL6b=Linesmen_Dir=-45_Missing_BR	AY	-13,72	-4,39	55,84	14,41	0,35	-0,6	0,69	0,1
577	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	AP	30,44	27,28	332,85	40,88	-0,78	0,88	1,17	-0,01
578	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	AX	5,35	3,69	6,82	6,49	0,01	0,03	0,03	0
579	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	AXY	31,37	32,74	-384,29	45,34	-0,98	0,88	1,31	0
580	LC145_SpLS_Longitudinal_1_NL1a=Wind_Dir=-45_Missing_Front	AY	11,37	2,23	-58,66	11,59	0,03	0,24	0,24	-0,02
581	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	AP	52,89	46,26	583,95	70,27	-1,3	1,51	2	-0,03
582	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	AX	9,97	2,65	42,7	10,32	0,14	0,06	0,15	0
583	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	AXY	50,81	53,64	-636,4	73,88	-1,6	1,41	2,13	-0,01
584	LC146_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-45_Missing_Front	AY	18,92	3,28	-96,65	19,2	0,08	0,39	0,39	-0,05
585	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	AP	27,28	23,78	298,47	36,19	-0,67	0,78	1,03	-0,01
586	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	AX	4,63	2,32	10,69	5,18	0,05	0,01	0,05	0
587	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	AXY	28,03	29,52	-349,99	40,71	-0,88	0,78	1,17	-0,01
588	LC147_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-45_Missing_Front	AY	10,87	1,11	-62,45	10,92	0,06	0,23	0,24	-0,02
589	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	AP	30,01	26,15	328,65	39,81	-0,74	0,86	1,13	-0,01
590	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	AX	5,18	2,38	13,72	5,7	0,06	0,02	0,06	0
591	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	AXY	30,57	32,22	-381,97	44,42	-0,96	0,85	1,28	-0,01
592	LC148_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-45_Missing_Front	AY	11,84	1,28	-67,38	11,91	0,06	0,25	0,26	-0,03
593	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	AP	29,73	25,92	325,38	39,45	-0,73	0,85	1,12	-0,02
594	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	AX	4,9	2,61	10,39	5,55	0,05	0,01	0,05	0
595	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	AXY	30,85	32,55	-386,81	44,85	-0,97	0,86	1,3	0
596	LC149_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-45_Missing_Front	AY	12,12	0,95	-72,14	12,16	0,07	0,26	0,27	-0,03
597	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	AP	3,56	8,5	60,4	9,22	-0,24	0,12	0,26	0,02
598	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	AX	-4,94	11,88	-109,83	12,87	-0,34	-0,14	0,37	0,01
599	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	AXY	10,33	8,83	-111,3	13,59	-0,21	0,36	0,41	0,01
600	LC150_SpLS_Longitudinal_2_NL1a=Wind_Dir=-45_Missing_Back	AY	-4,7	5,2	58,67	7,01	-0,1	-0,17	0,2	0,02
601	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	AP	-4,71	6,07	0	7,68	-0,15	-0,11	0,18	0,05
602	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	AX	-12,88	21,26	-220,62	24,86	-0,64	-0,32	0,72	0,03
603	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	AXY	5,96	2,89	-52,23	6,62	0,03	0,3	0,3	0,02
604	LC151_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-45_Missing_Back	AY	-16,37	10,92	168,07	19,68	-0,25	-0,51	0,56	0,04
605	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	AP	-2,88	2,8	-7,51	4,02	-0,06	-0,07	0,09	0,03
606	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	AX	-7,85	12,43	-132,27	14,7	-0,37	-0,2	0,42	0,01
607	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	AXY	4,28	2,79	-43,41	5,11	-0,02	0,19	0,19	0,01
608	LC152_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-45_Missing_Back	AY	-7,99	5,41	81,13	9,65	-0,12	-0,25	0,28	0,02
609	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	AP	-2,98	2,82	-8,07	4,1	-0,07	-0,07	0,1	0,03
610	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	AX	-7,7	12,38	-130,64	14,57	-0,37	-0,2	0,42	0,01
611	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	AXY	4,39	2,82	-44,39	5,22	-0,02	0,19	0,2	0,01
612	LC153_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-45_Missing_Back	AY	-7,83	5,15	77,94	9,37	-0,11	-0,24	0,27	0,02
613	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	AP	-3,26	2,49	-12,82	4,1	-0,05	-0,08	0,1	0,03
614	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	AX	-7,98	12,7	-135,42	15	-0,39	-0,2	0,44	0,01
615	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	AXY	4,67	3,05	-47,74	5,58	-0,03	0,2	0,21	0,01
616	LC154_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-45_Missing_Back	AY	-7,55	4,92	74,62	9,01	-0,11	-0,23	0,26	0,02
617	LC155_SeLS_NL1a=Wind_Dir=-45	AP	29,02	30,81	343,26	42,32	-0,87	0,84	1,21	0,01
618	LC155_SeLS_NL1a=Wind_Dir=-45	AX	0,82	12,19	-75,64	12,22	-0,25	-0,08	0,26	0,01
619	LC155_SeLS_NL1a=Wind_Dir=-45	AXY	33,26	33,07	-395,03	46,9	-0,93	0,99	1,36	0
620	LC155_SeLS_NL1a=Wind_Dir=-45	AY	3,55	7,46	23,15	8,26	-0,09	0	0,09	0
621	LC156_SeLS_NL3=Wind+Ice_Dir=-45	AP	43,21	47,09	531,33	63,91	-1,31	1,26	1,81	0,01
622	LC156_SeLS_NL3=Wind+Ice_Dir=-45	AX	-2,32	20,47	-149,36	20,6	-0,42	-0,23	0,48	0,03
623	LC156_SeLS_NL3=Wind+Ice_Dir=-45	AXY	48,62	48,51	-591,22	68,68	-1,34	1,47	1,98	0,01
624	LC156_SeLS_NL3=Wind+Ice_Dir=-45	AY	0,14	13,91	87,79	13,91	-0,19	-0,17	0,25	-0,01

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
625	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	AP	22,13	24,19	270,2	32,78	-0,67	0,65	0,93	0,01
626	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	AX	-2,1	11,86	-92,94	12,04	-0,25	-0,14	0,29	0,01
627	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	AXY	26,52	26,54	-322,13	37,52	-0,73	0,8	1,08	0
628	LC157_SeLS_NL4=MinTemp+Wind_Dir=-45	AY	0,55	7,15	40,6	7,17	-0,1	-0,07	0,12	-0,01
629	LC158_SeLS_NL6a=Cons+Main_Dir=-45	AP	24,63	26,46	298,43	36,15	-0,74	0,72	1,03	0,01
630	LC158_SeLS_NL6a=Cons+Main_Dir=-45	AX	-1,44	11,86	-88,5	11,95	-0,24	-0,14	0,28	0,01
631	LC158_SeLS_NL6a=Cons+Main_Dir=-45	AXY	29,04	29,15	-353,55	41,14	-0,81	0,87	1,19	0
632	LC158_SeLS_NL6a=Cons+Main_Dir=-45	AY	1,63	7,06	32,87	7,25	-0,09	-0,05	0,1	-0,01
633	LC159_SeLS_NL6b=Linesmen_Dir=-45	AP	24,4	26,19	294,55	35,79	-0,73	0,71	1,02	0,01
634	LC159_SeLS_NL6b=Linesmen_Dir=-45	AX	-1,67	12,13	-92,47	12,25	-0,25	-0,14	0,29	0,01
635	LC159_SeLS_NL6b=Linesmen_Dir=-45	AXY	29,27	29,35	-356,42	41,45	-0,82	0,88	1,2	0
636	LC159_SeLS_NL6b=Linesmen_Dir=-45	AY	1,86	6,87	30,09	7,11	-0,08	-0,04	0,09	-0,01
637	LC160_ULS_NL1a=Wind_Dir=-52	AP	26,6	28,1	311,14	38,69	-0,8	0,77	1,11	0,01
638	LC160_ULS_NL1a=Wind_Dir=-52	AX	1,37	11,21	-68,35	11,29	-0,23	-0,05	0,24	0,01
639	LC160_ULS_NL1a=Wind_Dir=-52	AXY	31,28	30,4	-365,57	43,62	-0,86	0,94	1,27	0
640	LC160_ULS_NL1a=Wind_Dir=-52	AY	4,05	6,13	13,3	7,35	-0,06	0,02	0,07	0
641	LC161_ULS_NL3=Wind+Ice_Dir=-52	AP	37,84	42,04	469	56,57	-1,16	1,11	1,6	0,02
642	LC161_ULS_NL3=Wind+Ice_Dir=-52	AX	-3,79	20,49	-159,78	20,84	-0,44	-0,25	0,51	0,03
643	LC161_ULS_NL3=Wind+Ice_Dir=-52	AXY	43,77	43,61	-531,42	61,79	-1,19	1,33	1,79	0,01
644	LC161_ULS_NL3=Wind+Ice_Dir=-52	AY	-1,45	13,67	96,03	13,75	-0,2	-0,19	0,28	-0,01
645	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	AP	18,79	21,04	230,83	28,2	-0,58	0,56	0,8	0,01
646	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	AX	-3,02	11,9	-99,54	12,27	-0,27	-0,16	0,31	0,01
647	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	AXY	23,53	23,51	-285,41	33,26	-0,64	0,72	0,96	0
648	LC162_ULS_NL4=MinTemp+Wind_Dir=-52	AY	-0,33	6,92	44,64	6,93	-0,1	-0,09	0,13	0
649	LC163_ULS_NL6a=Cons+Main_Dir=-52	AP	20,76	22,81	252,87	30,84	-0,63	0,61	0,88	0,01
650	LC163_ULS_NL6a=Cons+Main_Dir=-52	AX	-2,48	11,87	-95,68	12,12	-0,26	-0,15	0,3	0,01
651	LC163_ULS_NL6a=Cons+Main_Dir=-52	AXY	25,56	25,63	-310,82	36,2	-0,71	0,77	1,05	0
652	LC163_ULS_NL6a=Cons+Main_Dir=-52	AY	0,61	6,79	37,35	6,82	-0,09	-0,07	0,11	0
653	LC164_ULS_NL6b=Linesmen_Dir=-52	AP	20,48	22,48	248,2	30,41	-0,62	0,6	0,86	0,01
654	LC164_ULS_NL6b=Linesmen_Dir=-52	AX	-2,76	12,2	-100,45	12,5	-0,27	-0,16	0,31	0,01
655	LC164_ULS_NL6b=Linesmen_Dir=-52	AXY	25,84	25,87	-314,25	36,56	-0,71	0,78	1,06	0
656	LC164_ULS_NL6b=Linesmen_Dir=-52	AY	0,89	6,55	34,02	6,61	-0,08	-0,06	0,1	0
657	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	AP	20,98	23,65	253,15	31,62	-0,7	0,59	0,91	0,01
658	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	AX	4,68	7,76	-24,42	9,06	-0,16	0,07	0,18	0,02
659	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	AXY	27,46	24,15	-306,01	36,57	-0,68	0,82	1,07	0,02
660	LC165_SpLS_Torsional_1_NL1a=Wind_Dir=-52_Missing_FL	AY	5,41	1,05	-29,09	5,51	0,07	0,06	0,1	0,01
661	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	AP	33,87	40,97	436,83	53,16	-1,21	0,93	1,52	0,03
662	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	AX	7,25	13,79	-46,42	15,58	-0,3	0,11	0,32	0,05
663	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	AXY	44,27	37,24	-491,43	57,85	-1,02	1,33	1,68	0,04
664	LC166_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-52_Missing_FL	AY	4,19	2,73	-9,85	5	0,12	-0,06	0,13	0,02
665	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	AP	16,5	20,45	212,21	26,28	-0,61	0,45	0,76	0,02
666	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	AX	3,07	8,33	-37,77	8,88	-0,19	0,04	0,2	0,02
667	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	AXY	23,96	20,09	-265,11	31,27	-0,55	0,72	0,91	0,02
668	LC167_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-52_Missing_FL	AY	2,86	0,73	-15,71	2,95	0,08	-0,01	0,08	0,01
669	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	AP	18,48	22,27	234,29	28,94	-0,66	0,51	0,83	0,02
670	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	AX	3,61	8,35	-33,9	9,09	-0,19	0,05	0,19	0,02
671	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	AXY	25,94	22,22	-289,76	34,15	-0,62	0,78	0,99	0,02
672	LC168_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-52_Missing_FL	AY	3,75	0,7	-22,26	3,82	0,09	0,01	0,09	0,01
673	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	AP	18,19	21,95	229,62	28,51	-0,65	0,5	0,82	0,02
674	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	AX	3,33	8,67	-38,65	9,29	-0,2	0,04	0,2	0,02
675	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	AXY	26,22	22,45	-293,19	34,52	-0,63	0,79	1,01	0,02
676	LC169_SpLS_Torsional_1_NL6b=Linesmen_Dir=-52_Missing_FL	AY	4,03	0,47	-25,61	4,06	0,1	0,02	0,1	0,01
677	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	AP	27,49	23,36	293,04	36,08	-0,64	0,82	1,04	-0,01
678	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	AX	0,63	5,58	-37,08	5,62	-0,04	-0,1	0,11	-0,01
679	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	AXY	27,06	30,49	-346,18	40,77	-0,9	0,77	1,18	-0,02
680	LC170_SpLS_Torsional_2_NL1a=Wind_Dir=-52_Missing_FR	AY	8,25	5,53	-16,15	9,93	-0,08	0,17	0,19	-0,03
681	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	AP	48,74	40,12	525,23	63,13	-1,06	1,46	1,81	-0,04
682	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	AX	-2,13	8,71	-73,68	8,97	-0,01	-0,3	0,3	-0,02
683	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	AXY	42,89	51,83	-580,27	67,28	-1,53	1,2	1,94	-0,04
684	LC171_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-52_Missing_FR	AY	10,93	13,2	17,85	17,14	-0,24	0,21	0,32	-0,06
685	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	AP	24,63	19,94	260,98	31,69	-0,52	0,74	0,91	-0,02
686	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	AX	-2,21	5,6	-54,38	6,02	-0,04	-0,19	0,19	-0,01
687	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	AXY	23,22	28,12	-314,21	36,47	-0,83	0,65	1,05	-0,02
688	LC172_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-52_Missing_FR	AY	6,41	6,56	1,24	9,17	-0,12	0,13	0,18	-0,03
689	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	AP	26,66	21,66	283,35	34,35	-0,57	0,8	0,98	-0,02
690	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	AX	-1,81	5,61	-52,29	5,9	-0,03	-0,18	0,19	-0,01
691	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	AXY	25,19	30,18	-339,22	39,31	-0,89	0,7	1,13	-0,02
692	LC173_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-52_Missing_FR	AY	7,22	6,58	-3,47	9,77	-0,11	0,15	0,19	-0,04
693	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	AP	26,38	21,33	278,69	33,93	-0,56	0,79	0,97	-0,02
694	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	AX	-2,09	5,94	-57,05	6,3	-0,04	-0,19	0,2	-0,01
695	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	AXY	25,48	30,41	-342,66	39,68	-0,9	0,71	1,15	-0,02
696	LC174_SpLS_Torsional_2_NL6b=Linesmen_Dir=-52_Missing_FR	AY	7,5	6,34	-6,82	9,82	-0,1	0,16	0,19	-0,03
697	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	AP	20,29	9,12	161,23	22,24	-0,17	0,69	0,71	-0,05
698	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	AX	-9,04	3,66	-82,81	9,76	0,02	-0,39	0,39	-0,06
699	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	AXY	11,5	24,7	-214,6	27,25	-0,78	0,28	0,82	-0,06
700	LC175_SpLS_Torsional_3_NL1a=Wind_Dir=-52_Missing_BL	AY	6,98	12,02	30,42	13,9	-0,37	0,24	0,44	-0,06
701	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	AP	32,27	8,82	233,58	33,45	-0,03	1,15	1,15	-0,11
702	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	AX	-23,31	5,17	-180,93	23,88	0,11	-0,92	0,93	-0,12

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
703	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	AXY	9,15	38,55	-289,64	39,62	-1,23	0,15	1,24	-0,13
704	LC176_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-52_Missing_BL	AY	7,23	27,42	126,93	28,35	-0,87	0,32	0,92	-0,13
705	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	AP	15,94	4,05	109,73	16,44	0	0,58	0,58	-0,06
706	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	AX	-13,11	4,11	-110,82	13,74	0,01	-0,5	0,5	-0,06
707	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	AXY	5,81	21,02	-163,22	21,81	-0,66	0,11	0,67	-0,07
708	LC177_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-52_Missing_BL	AY	4,26	13,83	58,54	14,47	-0,44	0,18	0,47	-0,06
709	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	AP	17,6	4,17	119,38	18,09	0,01	0,63	0,63	-0,06
710	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	AX	-13,47	3,29	-106,83	13,87	0,05	-0,53	0,53	-0,07
711	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	AXY	6,02	22,88	-175,44	23,66	-0,73	0,11	0,74	-0,07
712	LC178_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-52_Missing_BL	AY	5,69	14,4	52,16	15,49	-0,46	0,23	0,52	-0,07
713	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	AP	17,32	3,84	114,67	17,74	0,02	0,63	0,63	-0,06
714	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	AX	-13,75	3,61	-111,6	14,22	0,03	-0,54	0,54	-0,07
715	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	AXY	6,31	23,11	-178,83	23,96	-0,74	0,12	0,75	-0,07
716	LC179_SpLS_Torsional_3_NL6b=Linesmen_Dir=-52_Missing_BL	AY	5,97	14,17	48,84	15,38	-0,45	0,24	0,51	-0,07
717	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	AP	6,28	23,08	166,26	23,92	-0,74	0,1	0,75	0,08
718	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	AX	4,97	17,6	-87,93	18,29	-0,55	0,2	0,59	0,08
719	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	AXY	26,1	10,77	-218,36	28,23	-0,19	0,89	0,91	0,07
720	LC180_SpLS_Torsional_4_NL1a=Wind_Dir=-52_Missing_BR	AY	-7,63	-1,95	34,27	7,87	0,22	-0,37	0,43	0,07
721	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	AP	1,78	39,02	240,89	39,06	-1,27	-0,12	1,28	0,17
722	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	AX	7,18	35,25	-188,57	35,97	-1,14	0,36	1,2	0,17
723	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	AXY	40,46	8,47	-294,41	41,33	0,04	1,46	1,46	0,15
724	LC181_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-52_Missing_BR	AY	-24,08	-2,79	132,04	24,24	0,4	-0,99	1,06	0,15
725	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	AP	0,36	19,55	114,81	19,55	-0,64	-0,08	0,64	0,09
726	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	AX	2,48	19,58	-115,99	19,73	-0,63	0,15	0,65	0,09
727	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	AXY	22	5,56	-166,92	22,69	-0,01	0,79	0,79	0,08
728	LC182_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-52_Missing_BR	AY	-11,92	-1,67	62,33	12,04	0,22	-0,49	0,54	0,08
729	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	AP	0,61	21,19	126,8	21,2	-0,69	-0,08	0,7	0,1
730	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	AX	3,52	20,27	-114,34	20,57	-0,65	0,19	0,68	0,09
731	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	AXY	23,92	5,9	-181,27	24,63	-0,01	0,85	0,85	0,08
732	LC183_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-52_Missing_BR	AY	-12,21	-2,62	58,09	12,48	0,26	-0,52	0,58	0,08
733	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	AP	0,33	20,87	122,09	20,87	-0,68	-0,09	0,69	0,1
734	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	AX	3,24	20,6	-119,12	20,85	-0,67	0,18	0,69	0,09
735	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	AXY	24,2	6,13	-184,66	24,96	-0,02	0,86	0,86	0,08
736	LC184_SpLS_Torsional_4_NL6b=Linesmen_Dir=-52_Missing_BR	AY	-11,93	-2,85	54,77	12,26	0,27	-0,51	0,57	0,08
737	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	AP	25,52	22,51	274,94	34,03	-0,65	0,73	0,98	-0,01
738	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	AX	5,26	2,63	11,38	5,88	0,02	0,05	0,05	0
739	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	AXY	26,98	27,63	-326,46	38,62	-0,83	0,76	1,12	0
740	LC185_SpLS_Longitudinal_1_NL1a=Wind_Dir=-52_Missing_Front	AY	10,79	0,78	-63,13	10,82	0,06	0,24	0,24	-0,02
741	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	AP	44,37	38,61	488,04	58,81	-1,09	1,27	1,67	-0,02
742	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	AX	8,65	2,12	36,79	8,91	0,12	0,06	0,13	0
743	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	AXY	43,34	45,49	-540,76	62,83	-1,36	1,2	1,81	-0,01
744	LC186_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-52_Missing_Front	AY	16,67	2,09	-90,48	16,8	0,09	0,35	0,36	-0,04
745	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	AP	22,24	19,25	241,2	29,41	-0,55	0,64	0,84	-0,01
746	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	AX	3,85	2	7,27	4,34	0,04	0,01	0,04	0
747	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	AXY	23,54	24,62	-292,78	34,06	-0,74	0,65	0,98	0
748	LC187_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-52_Missing_Front	AY	9,57	0,37	-58,96	9,57	0,06	0,21	0,22	-0,02
749	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	AP	24,27	21,01	263,62	32,1	-0,6	0,7	0,92	-0,01
750	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	AX	4,25	2,06	9,36	4,72	0,04	0,01	0,04	0
751	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	AXY	25,47	26,67	-317,03	36,88	-0,8	0,71	1,07	0
752	LC188_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-52_Missing_Front	AY	10,32	0,49	-62,93	10,33	0,07	0,22	0,23	-0,02
753	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	AP	23,99	20,78	260,34	31,74	-0,59	0,69	0,9	-0,01
754	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	AX	3,96	2,29	6,03	4,58	0,03	0	0,03	0
755	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	AXY	25,75	27	-321,85	37,31	-0,81	0,71	1,08	0
756	LC189_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-52_Missing_Front	AY	10,6	0,16	-67,7	10,6	0,08	0,23	0,24	-0,02
757	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	AP	3,62	7,75	56,28	8,55	-0,22	0,12	0,25	0,02
758	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	AX	-4,12	10,59	-97,9	11,36	-0,3	-0,11	0,32	0,01
759	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	AXY	10,05	8,41	-107,19	13,1	-0,2	0,34	0,4	0,01
760	LC190_SpLS_Longitudinal_2_NL1a=Wind_Dir=-52_Missing_Back	AY	-3,53	4,24	46,75	5,52	-0,08	-0,13	0,15	0,02
761	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	AP	-4,16	5,62	0,65	6,99	-0,13	-0,09	0,16	0,04
762	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	AX	-12,57	20,24	-212,81	23,82	-0,61	-0,32	0,69	0,02
763	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	AXY	5,77	3,15	-52,89	6,57	0,01	0,28	0,28	0,02
764	LC191_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-52_Missing_Back	AY	-15,33	10,6	160,28	18,64	-0,25	-0,47	0,53	0,03
765	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	AP	-2,58	2,52	-7,38	3,61	-0,05	-0,06	0,08	0,02
766	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	AX	-7,64	11,81	-127,46	14,07	-0,35	-0,2	0,4	0,01
767	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	AXY	4,17	2,91	-43,55	5,08	-0,03	0,18	0,19	0,01
768	LC192_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-52_Missing_Back	AY	-7,38	5,19	76,32	9,02	-0,12	-0,23	0,26	0,02
769	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	AP	-2,65	2,53	-7,78	3,66	-0,06	-0,06	0,08	0,02
770	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	AX	-7,5	11,72	-125,68	13,92	-0,35	-0,19	0,4	0,01
771	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	AXY	4,27	2,97	-44,7	5,2	-0,03	0,19	0,19	0,01
772	LC193_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-52_Missing_Back	AY	-7,18	4,94	72,99	8,71	-0,11	-0,22	0,25	0,02
773	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	AP	-2,93	2,2	-12,52	3,66	-0,04	-0,07	0,08	0,02
774	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	AX	-7,78	12,05	-130,46	14,35	-0,36	-0,2	0,42	0,01
775	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	AXY	4,55	3,2	-48,05	5,56	-0,04	0,2	0,2	0,01
776	LC194_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-52_Missing_Back	AY	-6,9	4,71	69,67	8,35	-0,1	-0,21	0,24	0,02
777	LC195_SeLS_NL1a=Wind_Dir=-52	AP	24,53	25,97	287,62	35,73	-0,74	0,72	1,03	0,01
778	LC195_SeLS_NL1a=Wind_Dir=-52	AX	1,02	10,56	-66,07	10,61	-0,22	-0,05	0,23	0,01
779	LC195_SeLS_NL1a=Wind_Dir=-52	AXY	28,98	28,22	-339,48	40,45	-0,8	0,87	1,18	0
780	LC195_SeLS_NL1a=Wind_Dir=-52	AY	3,6	5,77	13,67	6,8	-0,06	0,02	0,06	0

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
781	LC196_SeLS_NL3=Wind+Ice_Dir=-52	AP	35,74	39,74	443,41	53,45	-1,1	1,05	1,52	0,02
782	LC196_SeLS_NL3=Wind+Ice_Dir=-52	AX	-3,73	19,49	-152,77	19,84	-0,42	-0,24	0,48	0,03
783	LC196_SeLS_NL3=Wind+Ice_Dir=-52	AXY	41,45	41,33	-503,55	58,54	-1,13	1,26	1,69	0,01
784	LC196_SeLS_NL3=Wind+Ice_Dir=-52	AY	-1,44	12,98	91,44	13,06	-0,19	-0,19	0,27	-0,01
785	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	AP	17,69	19,84	217,65	26,58	-0,55	0,52	0,76	0,01
786	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	AX	-2,95	11,3	-95,04	11,68	-0,25	-0,15	0,29	0,01
787	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	AXY	22,21	22,21	-269,64	31,41	-0,61	0,68	0,91	0
788	LC197_SeLS_NL4=MinTemp+Wind_Dir=-52	AY	-0,38	6,57	42,77	6,58	-0,1	-0,08	0,13	0
789	LC198_SeLS_NL6a=Cons+Main_Dir=-52	AP	19,57	21,52	238,64	29,09	-0,59	0,58	0,83	0,01
790	LC198_SeLS_NL6a=Cons+Main_Dir=-52	AX	-2,43	11,27	-91,37	11,53	-0,25	-0,14	0,28	0,01
791	LC198_SeLS_NL6a=Cons+Main_Dir=-52	AXY	24,14	24,23	-293,85	34,2	-0,67	0,73	0,99	0
792	LC198_SeLS_NL6a=Cons+Main_Dir=-52	AY	0,52	6,45	35,82	6,47	-0,09	-0,06	0,11	0
793	LC199_SeLS_NL6b=Linesmen_Dir=-52	AP	19,34	21,25	234,75	28,73	-0,59	0,57	0,82	0,01
794	LC199_SeLS_NL6b=Linesmen_Dir=-52	AX	-2,66	11,55	-95,34	11,85	-0,25	-0,15	0,3	0,01
795	LC199_SeLS_NL6b=Linesmen_Dir=-52	AXY	24,38	24,42	-296,7	34,51	-0,67	0,74	1	0
796	LC199_SeLS_NL6b=Linesmen_Dir=-52	AY	0,75	6,25	33,05	6,3	-0,08	-0,06	0,1	0
797	LC200_ULS_NL1a=Wind_Dir=-90	AP	32,84	28,94	357,52	43,77	-0,81	0,96	1,25	0
798	LC200_ULS_NL1a=Wind_Dir=-90	AX	5,19	4,88	-11,3	7,12	-0,01	0,03	0,03	0
799	LC200_ULS_NL1a=Wind_Dir=-90	AXY	34,35	34,14	-411,98	48,43	-1	0,99	1,4	-0,01
800	LC200_ULS_NL1a=Wind_Dir=-90	AY	11,01	2,75	-43,71	11,35	0,04	0,23	0,23	-0,02
801	LC201_ULS_NL3=Wind+Ice_Dir=-90	AP	55,98	52,83	641,92	76,97	-1,45	1,64	2,19	-0,01
802	LC201_ULS_NL3=Wind+Ice_Dir=-90	AX	0,52	14,98	-98,57	14,98	-0,19	-0,22	0,29	0,01
803	LC201_ULS_NL3=Wind+Ice_Dir=-90	AXY	55,68	59,43	-703,95	81,44	-1,7	1,61	2,35	-0,01
804	LC201_ULS_NL3=Wind+Ice_Dir=-90	AY	8,85	13,47	34,45	16,12	-0,17	0,08	0,19	-0,04
805	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	AP	29,37	27,32	332,61	40,11	-0,75	0,86	1,14	-0,01
806	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	AX	0,05	8,27	-58,49	8,27	-0,11	-0,12	0,16	0
807	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	AXY	30,76	32,73	-387,14	44,92	-0,94	0,89	1,29	-0,01
808	LC202_ULS_NL4=MinTemp+Wind_Dir=-90	AY	6,01	6,32	3,53	8,72	-0,07	0,08	0,11	-0,02
809	LC203_ULS_NL6a=Cons+Main_Dir=-90	AP	32,83	30,22	370,19	44,62	-0,83	0,96	1,27	-0,01
810	LC203_ULS_NL6a=Cons+Main_Dir=-90	AX	0,9	8,08	-51,64	8,13	-0,09	-0,12	0,15	0
811	LC203_ULS_NL6a=Cons+Main_Dir=-90	AXY	33,96	36,21	-428,05	49,64	-1,05	0,97	1,43	-0,01
812	LC203_ULS_NL6a=Cons+Main_Dir=-90	AY	7,57	6,28	-6,78	9,83	-0,06	0,12	0,13	-0,03
813	LC204_ULS_NL6b=Linesmen_Dir=-90	AP	32,55	29,89	365,55	44,19	-0,82	0,95	1,26	-0,01
814	LC204_ULS_NL6b=Linesmen_Dir=-90	AX	0,62	8,4	-56,39	8,43	-0,1	-0,12	0,16	0
815	LC204_ULS_NL6b=Linesmen_Dir=-90	AXY	34,24	36,44	-431,52	50,01	-1,06	0,98	1,44	-0,01
816	LC204_ULS_NL6b=Linesmen_Dir=-90	AY	7,85	6,04	-10,13	9,9	-0,05	0,13	0,14	-0,03
817	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	AP	28,76	26,57	320,09	39,16	-0,77	0,81	1,12	0
818	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	AX	7,75	2,89	20,84	8,27	0,02	0,12	0,12	0,01
819	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	AXY	32,02	30	-372,97	43,88	-0,88	0,91	1,27	0
820	LC205_SpLS_Torsional_1_NL1a=Wind_Dir=-90	AY	11,67	-0,82	-74,32	11,7	0,14	0,24	0,28	-0,01
821	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	AP	52,25	51,79	611,79	73,57	-1,49	1,47	2,09	0
822	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	AX	10,76	8,73	6,56	13,86	-0,06	0,11	0,13	0,03
823	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	AXY	56,09	53,5	-666,1	77,51	-1,55	1,62	2,24	0,02
824	LC206_SpLS_Torsional_1_NL3=Wind+Ice_Dir=-90	AY	14,02	3,4	-63,12	14,43	0,13	0,2	0,24	-0,02
825	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	AP	27,23	26,74	315,09	38,17	-0,77	0,77	1,09	0
826	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	AX	5,68	4,94	-1,22	7,53	-0,04	0,06	0,07	0,01
827	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	AXY	31,13	29,56	-367,97	42,92	-0,86	0,89	1,24	0,01
828	LC207_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=-90	AY	8,96	0,61	-52,28	8,98	0,1	0,15	0,18	-0,01
829	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	AP	30,71	29,69	352,79	42,72	-0,86	0,87	1,22	0
830	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	AX	6,51	4,81	5,32	8,09	-0,02	0,07	0,07	0,01
831	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	AXY	34,27	33,05	-408,21	47,61	-0,97	0,98	1,37	0,01
832	LC208_SpLS_Torsional_1_NL6a=Cons+Main_Dir=-90	AY	10,45	0,71	-61,54	10,48	0,11	0,19	0,21	-0,01
833	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	AP	30,42	29,37	348,15	42,29	-0,85	0,86	1,2	0
834	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	AX	6,22	5,14	0,58	8,07	-0,04	0,06	0,07	0,01
835	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	AXY	34,55	33,29	-411,68	47,98	-0,97	0,99	1,39	0,01
836	LC209_SpLS_Torsional_1_NL6b=Linesmen_Dir=-90	AY	10,73	0,47	-64,89	10,74	0,11	0,2	0,23	-0,01
837	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	AP	33,26	26,75	350,43	42,68	-0,73	0,98	1,22	-0,02
838	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	AX	3,74	2,71	-4,38	4,63	0,07	-0,04	0,08	-0,01
839	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	AXY	31,85	34,61	-403,52	47,04	-1,03	0,89	1,36	-0,02
840	LC210_SpLS_Torsional_2_NL1a=Wind_Dir=-90	AY	12,28	3,46	-48,91	12,76	0	0,28	0,28	-0,03
841	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	AP	62,85	51,89	679,63	81,5	-1,39	1,86	2,32	-0,04
842	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	AX	1,6	7,74	-45,45	7,9	0,07	-0,25	0,26	-0,02
843	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	AXY	55,19	64,38	-734,18	84,8	-1,91	1,53	2,45	-0,04
844	LC211_SpLS_Torsional_2_NL3=Wind+Ice_Dir=-90	AY	16,2	13,27	-10,87	20,94	-0,2	0,32	0,38	-0,08
845	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	AP	32,91	26,73	351,75	42,4	-0,72	0,98	1,21	-0,02
846	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	AX	0,54	4,5	-31,73	4,53	0,03	-0,14	0,14	-0,01
847	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	AXY	30,63	35,44	-404,87	46,85	-1,05	0,85	1,35	-0,02
848	LC212_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=-90	AY	9,95	6,09	-21,53	11,67	-0,08	0,21	0,22	-0,04
849	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	AP	36,3	29,62	389,16	46,85	-0,8	1,07	1,34	-0,02
850	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	AX	1,26	4,5	-27,5	4,67	0,04	-0,14	0,14	-0,01
851	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	AXY	33,8	38,75	-444,86	51,42	-1,15	0,94	1,48	-0,02
852	LC213_SpLS_Torsional_2_NL6a=Cons+Main_Dir=-90	AY	11,21	6,18	-28,43	12,8	-0,07	0,24	0,25	-0,04
853	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	AP	36,02	29,3	384,53	46,43	-0,79	1,07	1,32	-0,02
854	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	AX	0,98	4,83	-32,25	4,92	0,03	-0,14	0,15	-0,01
855	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	AXY	34,09	38,98	-448,33	51,78	-1,16	0,95	1,49	-0,02
856	LC214_SpLS_Torsional_2_NL6b=Linesmen_Dir=-90	AY	11,48	5,94	-31,78	12,93	-0,06	0,25	0,25	-0,04
857	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	AP	26,28	5,17	175,88	26,78	-0,01	0,9	0,9	-0,09
858	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	AX	-8,7	-4,83	-31,71	9,95	0,33	-0,44	0,55	-0,09

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
859	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	AXY	9,35	28,65	-229,54	30,14	-0,95	0,15	0,96	-0,09
860	LC215_SpLS_Torsional_3_NL1a=Wind_Dir=-90	AY	15,46	11,43	-20,4	19,23	-0,39	0,53	0,66	-0,1
861	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	AP	47,69	7,23	316,84	48,24	0,1	1,68	1,68	-0,19
862	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	AX	-25,28	-6,23	-122,04	26,04	0,56	-1,11	1,24	-0,18
863	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	AXY	8,92	51,96	-373,3	52,72	-1,73	0,02	1,73	-0,2
864	LC216_SpLS_Torsional_3_NL3=Wind+Ice_Dir=-90	AY	20,88	31,07	68,44	37,43	-1,04	0,78	1,3	-0,2
865	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	AP	25,07	2,93	158,28	25,24	0,08	0,89	0,89	-0,1
866	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	AX	-14,11	-2,95	-73,38	14,42	0,29	-0,61	0,68	-0,1
867	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	AXY	5,6	28,93	-212,06	29,46	-0,96	0,03	0,96	-0,11
868	LC217_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=-90	AY	12,59	15,81	21,39	20,21	-0,54	0,46	0,71	-0,11
869	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	AP	28,03	3,1	175,88	28,2	0,09	0,99	0,99	-0,11
870	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	AX	-14,8	-4,42	-67,29	15,45	0,35	-0,66	0,75	-0,11
871	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	AXY	5,9	31,99	-232,27	32,53	-1,07	0,02	1,07	-0,12
872	LC218_SpLS_Torsional_3_NL6a=Cons+Main_Dir=-90	AY	14,9	16,91	12,95	22,54	-0,58	0,54	0,79	-0,12
873	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	AP	27,75	2,77	171,18	27,89	0,1	0,98	0,98	-0,11
874	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	AX	-15,08	-4,09	-72,04	15,63	0,34	-0,66	0,75	-0,11
875	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	AXY	6,18	32,23	-235,67	32,81	-1,08	0,03	1,08	-0,12
876	LC219_SpLS_Torsional_3_NL6b=Linesmen_Dir=-90	AY	15,18	16,67	9,61	22,55	-0,57	0,55	0,8	-0,12
877	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	AP	6,65	24,61	181,1	25,49	-0,81	0,07	0,82	0,1
878	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	AX	10,93	14,57	-37,03	18,22	-0,47	0,38	0,61	0,09
879	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	AXY	29,54	9,25	-233,08	30,96	-0,13	0,99	1	0,09
880	LC220_SpLS_Torsional_4_NL1a=Wind_Dir=-90	AY	-4,74	-8,01	-16,76	9,31	0,43	-0,31	0,53	0,08
881	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	AP	6,65	47,73	324,41	48,19	-1,57	-0,04	1,57	0,19
882	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	AX	15,78	34,1	-130,08	37,58	-1,12	0,61	1,27	0,2
883	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	AXY	50,7	11,63	-377,55	52,02	-0,03	1,77	1,77	0,18
884	LC221_SpLS_Torsional_4_NL3=Wind+Ice_Dir=-90	AY	-20,91	-9,43	73,17	22,94	0,66	-0,96	1,16	0,17
885	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	AP	2,93	24,83	163,57	25	-0,82	-0,04	0,82	0,11
886	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	AX	8,03	18,9	-78,8	20,53	-0,62	0,32	0,69	0,11
887	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	AXY	28,31	7,08	-215,48	29,19	-0,04	0,98	0,98	0,1
888	LC222_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=-90	AY	-10,13	-6,09	24,94	11,82	0,38	-0,48	0,62	0,09
889	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	AP	3,5	27,47	183,52	27,7	-0,91	-0,04	0,91	0,12
890	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	AX	9,73	19,9	-75,09	22,15	-0,65	0,37	0,75	0,12
891	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	AXY	31,29	7,68	-237,76	32,22	-0,04	1,08	1,08	0,11
892	LC223_SpLS_Torsional_4_NL6a=Cons+Main_Dir=-90	AY	-10,5	-7,47	18,6	12,89	0,45	-0,52	0,68	0,1
893	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	AP	3,22	27,15	178,83	27,34	-0,9	-0,05	0,9	0,12
894	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	AX	9,45	20,23	-79,86	22,32	-0,66	0,37	0,76	0,12
895	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	AXY	31,58	7,91	-241,17	32,55	-0,05	1,09	1,09	0,11
896	LC224_SpLS_Torsional_4_NL6b=Linesmen_Dir=-90	AY	-10,22	-7,7	15,27	12,8	0,45	-0,51	0,68	0,1
897	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	AP	31,46	26,02	334,2	40,83	-0,74	0,9	1,17	-0,01
898	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	AX	8,01	0,02	40,13	8,01	0,13	0,1	0,16	0
899	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	AXY	31,82	32,02	-385,68	45,14	-0,96	0,88	1,3	-0,01
900	LC225_SpLS_Longitudinal_1_NL1a=Wind_Dir=-90	AY	14,6	-0,88	-91,93	14,62	0,13	0,33	0,36	-0,02
901	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	AP	58,8	50,55	645,61	77,54	-1,42	1,68	2,2	-0,03
902	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	AX	11,59	1,65	56,82	11,71	0,2	0,08	0,21	0
903	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	AXY	55,66	58,56	-697,89	80,79	-1,75	1,54	2,33	-0,01
904	LC226_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=-90	AY	21,49	3,02	-110,95	21,7	0,11	0,45	0,46	-0,05
905	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	AP	30,71	26,1	333,62	40,3	-0,74	0,88	1,15	-0,01
906	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	AX	6,13	1,19	25,18	6,24	0,1	0,04	0,1	0
907	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	AXY	30,93	32,23	-385,09	44,67	-0,96	0,85	1,29	-0,01
908	LC227_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=-90	AY	12,85	0,41	-76,97	12,86	0,09	0,28	0,29	-0,03
909	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	AP	34,1	29,05	371,16	44,8	-0,82	0,98	1,28	-0,02
910	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	AX	6,81	1,25	29,1	6,93	0,11	0,05	0,12	0
911	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	AXY	34,05	35,55	-424,43	49,23	-1,06	0,94	1,42	-0,01
912	LC228_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=-90	AY	14,04	0,63	-82,82	14,05	0,1	0,3	0,32	-0,03
913	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	AP	33,83	28,82	367,9	44,44	-0,81	0,97	1,26	-0,02
914	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	AX	6,53	1,48	25,77	6,69	0,1	0,04	0,11	0
915	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	AXY	34,33	35,88	-429,27	49,66	-1,08	0,95	1,43	-0,01
916	LC229_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=-90	AY	14,32	0,31	-87,58	14,32	0,11	0,31	0,33	-0,03
917	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	AP	2,39	2,58	20,73	3,51	-0,07	0,08	0,1	0,01
918	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	AX	-1,23	4,24	-45,15	4,42	-0,11	-0,03	0,12	0
919	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	AXY	6,83	5,19	-71,71	8,58	-0,13	0,22	0,26	0
920	LC230_SpLS_Longitudinal_2_NL1a=Wind_Dir=-90	AY	1,35	-0,18	-5,94	1,36	0,03	0,03	0,04	0,01
921	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	AP	-1,9	2,29	-4,24	2,98	-0,03	-0,02	0,03	0,02
922	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	AX	-10,2	13,39	-156,77	16,83	-0,39	-0,27	0,47	0,01
923	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	AXY	3,94	3,78	-48,1	5,46	-0,05	0,18	0,19	0
924	LC231_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=-90	AY	-8,84	7,68	104,33	11,71	-0,19	-0,26	0,32	0,01
925	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	AP	-1,41	0,52	-11,29	1,5	0,01	-0,02	0,02	0,01
926	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	AX	-6,16	7,78	-94,14	9,93	-0,22	-0,17	0,28	0
927	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	AXY	3,08	3,1	-39,71	4,37	-0,06	0,13	0,14	0
928	LC232_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=-90	AY	-3,63	3,34	43,08	4,93	-0,08	-0,11	0,13	0,01
929	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	AP	-1,35	0,47	-11,28	1,43	0,01	-0,02	0,02	0,01
930	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	AX	-5,99	7,53	-91,22	9,63	-0,22	-0,17	0,27	0
931	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	AXY	3,15	3,25	-41,26	4,53	-0,06	0,13	0,14	0
932	LC233_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=-90	AY	-3,25	3,08	38,6	4,48	-0,07	-0,09	0,12	0,01
933	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	AP	-1,63	0,14	-16,03	1,63	0,02	-0,03	0,03	0,01
934	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	AX	-6,27	7,86	-95,99	10,06	-0,23	-0,17	0,29	0
935	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	AXY	3,43	3,49	-44,61	4,89	-0,07	0,14	0,15	0
936	LC234_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=-90	AY	-2,97	2,85	35,27	4,12	-0,06	-0,08	0,11	0,01

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
937	LC235_SeLS_NL1a=Wind_Dir=-90	AP	30,77	27,2	335,85	41,07	-0,76	0,9	1,18	0
938	LC235_SeLS_NL1a=Wind_Dir=-90	AX	4,58	4,79	-13,45	6,63	-0,01	0,02	0,02	0
939	LC235_SeLS_NL1a=Wind_Dir=-90	AXY	32,22	32,19	-387,75	45,55	-0,94	0,92	1,32	-0,01
940	LC235_SeLS_NL1a=Wind_Dir=-90	AY	10,12	2,79	-38,91	10,5	0,03	0,21	0,21	-0,02
941	LC236_SeLS_NL3=Wind+Ice_Dir=-90	AP	53,1	50,13	609,36	73,03	-1,37	1,55	2,07	-0,01
942	LC236_SeLS_NL3=Wind+Ice_Dir=-90	AX	0,41	14,27	-94,44	14,28	-0,18	-0,22	0,28	0,01
943	LC236_SeLS_NL3=Wind+Ice_Dir=-90	AXY	52,91	56,52	-669,17	77,42	-1,62	1,53	2,23	-0,01
944	LC236_SeLS_NL3=Wind+Ice_Dir=-90	AY	8,38	12,82	32,79	15,32	-0,17	0,08	0,18	-0,04
945	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	AP	27,84	25,92	315,6	38,04	-0,71	0,82	1,08	-0,01
946	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	AX	-0,04	7,91	-56,37	7,91	-0,1	-0,12	0,16	0
947	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	AXY	29,18	31,1	-367,55	42,64	-0,89	0,84	1,23	-0,01
948	LC237_SeLS_NL4=MinTemp+Wind_Dir=-90	AY	5,63	6,06	4,05	8,27	-0,07	0,08	0,1	-0,02
949	LC238_SeLS_NL6a=Cons+Main_Dir=-90	AP	31,14	28,68	351,38	42,33	-0,79	0,91	1,21	-0,01
950	LC238_SeLS_NL6a=Cons+Main_Dir=-90	AX	0,77	7,73	-49,84	7,77	-0,09	-0,11	0,14	0
951	LC238_SeLS_NL6a=Cons+Main_Dir=-90	AXY	32,22	34,41	-406,51	47,14	-1	0,92	1,36	-0,01
952	LC238_SeLS_NL6a=Cons+Main_Dir=-90	AY	7,12	6,02	-5,78	9,32	-0,06	0,11	0,12	-0,03
953	LC239_SeLS_NL6b=Linesmen_Dir=-90	AP	30,9	28,41	347,51	41,98	-0,78	0,91	1,19	-0,01
954	LC239_SeLS_NL6b=Linesmen_Dir=-90	AX	0,54	8	-53,8	8,02	-0,1	-0,12	0,15	0
955	LC239_SeLS_NL6b=Linesmen_Dir=-90	AXY	32,46	34,6	-409,39	47,45	-1	0,93	1,37	-0,01
956	LC239_SeLS_NL6b=Linesmen_Dir=-90	AY	7,35	5,83	-8,56	9,38	-0,05	0,12	0,13	-0,02
957	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AP	55,54	59,6	680,85	81,47	-1,68	1,58	2,31	0,02
958	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AX	3,55	19,56	-106,7	19,88	-0,35	-0,11	0,37	0,04
959	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AXY	61,7	59,27	-739,9	85,55	-1,65	1,83	2,47	0,02
960	LC240_ULS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AY	4,98	11,55	44,8	12,58	-0,06	-0,09	0,11	-0,01
961	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AP	53,01	56,88	650,44	77,75	-1,6	1,51	2,2	0,02
962	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AX	3,54	18,47	-99,44	18,8	-0,33	-0,1	0,34	0,04
963	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AXY	58,64	56,33	-702,49	81,31	-1,57	1,74	2,35	0,02
964	LC241_SeLS_NL10=Ongelijk ijs_Dir=NA_Tennet_Additional	AY	4,58	11,16	44,82	12,06	-0,07	-0,09	0,11	-0,01
965	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	AP	40,66	45,28	506,59	60,85	-1,23	1,21	1,73	-0,01
966	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	AX	-10,93	24,29	-205,62	26,63	-0,52	-0,51	0,73	0,01
967	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	AXY	41,31	49,67	-553,29	64,61	-1,39	1,23	1,86	0
968	LC242_ULS_NL1a=Wind_Dir=38_Permanent*0.9	AY	-5,58	22,55	157,9	23,23	-0,49	-0,31	0,58	-0,03
969	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	78,61	79,16	933	111,56	-2,2	2,26	3,15	-0,01
970	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	3,09	22,09	-116,26	22,31	-0,32	-0,24	0,4	0,04
971	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	78,61	82	-985,31	113,59	-2,34	2,29	3,28	0,01
972	LC243_ULS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	9,31	18,6	59,13	20,8	-0,21	-0,01	0,21	-0,05
973	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	44,2	44,13	521,49	62,46	-1,24	1,27	1,77	-0,01
974	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	2,27	12,24	-63,23	12,45	-0,17	-0,12	0,21	0,02
975	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	45,71	47,55	-568,03	65,96	-1,36	1,32	1,9	0
976	LC244_ULS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	6,84	9,56	15,34	11,76	-0,1	0,04	0,11	-0,03
977	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	50,64	49,74	592,56	70,98	-1,39	1,45	2,02	-0,01
978	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	3,89	12,07	-51,51	12,68	-0,14	-0,1	0,18	0,02
979	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	51,59	53,7	-641,94	74,47	-1,55	1,48	2,15	0
980	LC245_ULS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	9,35	9,63	0,35	13,42	-0,08	0,09	0,12	-0,03
981	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	50,39	49,45	588,45	70,6	-1,39	1,45	2	-0,01
982	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	3,64	12,37	-55,79	12,89	-0,15	-0,11	0,19	0,02
983	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	51,85	53,92	-645,13	74,8	-1,56	1,49	2,16	0
984	LC246_ULS_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	9,59	9,42	-2,66	13,44	-0,07	0,1	0,12	-0,03
985	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	AP	40,11	43,41	491,78	59,11	-1,21	1,17	1,68	-0,01
986	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	AX	-3,5	17,72	-122,84	18,06	-0,35	-0,28	0,45	0,01
987	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	AXY	41,93	46,51	-536,98	62,62	-1,32	1,23	1,8	0,01
988	LC247_SpLS_Torsional_1_NL1a=Wind_Dir=38_Permanent*0.9	AY	0,59	14,87	76,41	14,88	-0,27	-0,14	0,3	-0,02
989	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	76,59	78,92	918,5	109,98	-2,23	2,17	3,11	0
990	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	8,4	19,09	-61,94	20,85	-0,26	-0,07	0,27	0,04
991	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	78,72	78,88	-963,87	111,44	-2,26	2,29	3,22	0,02
992	LC248_SpLS_Torsional_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	11,63	13,66	11,64	17,94	-0,07	0,04	0,08	-0,03
993	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	43,04	43,93	512,5	61,51	-1,25	1,22	1,75	0
994	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	5,09	10,69	-34,64	11,83	-0,15	-0,03	0,15	0,02
995	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	45,84	45,95	-557,57	64,91	-1,32	1,32	1,87	0,01
996	LC249_SpLS_Torsional_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	8,21	6,79	-11,92	10,65	-0,02	0,07	0,07	-0,02
997	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	49,54	49,6	584,04	70,1	-1,41	1,41	1,99	-0,01
998	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	6,55	10,64	-24,39	12,49	-0,12	-0,01	0,12	0,02
999	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	51,65	52,2	-631,25	73,43	-1,51	1,48	2,12	0,01
1000	LC250_SpLS_Torsional_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	10,59	7,13	-24,76	12,76	-0,01	0,12	0,12	-0,02
1001	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	49,29	49,31	579,93	69,72	-1,4	1,4	1,98	-0,01
1002	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	6,3	10,93	-28,66	12,62	-0,13	-0,02	0,13	0,02
1003	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	51,91	52,41	-634,43	73,76	-1,52	1,49	2,13	0,01
1004	LC251_SpLS_Torsional_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	10,84	6,91	-27,78	12,85	0	0,13	0,13	-0,02
1005	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	AP	44,96	42,64	518,15	61,97	-1,15	1,33	1,76	-0,03
1006	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	AX	-5,24	14,58	-114,77	15,49	-0,21	-0,37	0,43	0
1007	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	AXY	41,46	50,8	-563,55	65,57	-1,48	1,18	1,89	-0,02
1008	LC252_SpLS_Torsional_2_NL1a=Wind_Dir=38_Permanent*0.9	AY	4,13	16,81	68,54	17,31	-0,34	-0,01	0,34	-0,05
1009	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	88,11	77,5	981,73	117,34	-2,11	2,57	3,32	-0,05
1010	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	4,04	12,14	-45,52	12,79	0,04	-0,3	0,3	-0,01
1011	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	77,6	89,19	-1027,28	118,22	-2,64	2,17	3,42	-0,04
1012	LC253_SpLS_Torsional_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	19,76	18,63	-4,6	27,15	-0,26	0,33	0,42	-0,09
1013	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	49,27	43,17	547,46	65,5	-1,19	1,44	1,86	-0,03
1014	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	2,79	6,86	-25,41	7,4	0,02	-0,15	0,15	0

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
1015	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	45,33	51,56	-592,74	68,66	-1,52	1,26	1,98	-0,02
1016	LC254_SpLS_Torsional_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	12,59	9,4	-20,93	15,72	-0,12	0,23	0,25	-0,05
1017	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	55,69	48,74	618,48	74,01	-1,34	1,62	2,1	-0,03
1018	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	4,27	6,81	-15,86	8,04	0,05	-0,13	0,14	0
1019	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	51,17	57,6	-665,94	77,04	-1,71	1,42	2,22	-0,02
1020	LC255_SpLS_Torsional_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	14,88	9,61	-33,04	17,72	-0,1	0,27	0,29	-0,06
1021	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	55,44	48,45	614,37	73,63	-1,33	1,61	2,09	-0,03
1022	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	4,02	7,1	-20,13	8,16	0,04	-0,14	0,15	0
1023	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	51,43	57,81	-669,12	77,37	-1,71	1,43	2,23	-0,02
1024	LC256_SpLS_Torsional_3_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	15,13	9,39	-36,06	17,81	-0,09	0,28	0,3	-0,06
1025	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	AP	33,54	7,41	235,89	34,35	0,02	1,2	1,2	-0,14
1026	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	AX	-24,74	1,69	-152,98	24,8	0,23	-1	1,03	-0,14
1027	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	AXY	5,34	40,78	-282,61	41,13	-1,34	-0,01	1,34	-0,14
1028	LC257_SpLS_Torsional_3_NL1a=Wind_Dir=38_Permanent*0.9	AY	9,61	28,89	108,61	30,44	-0,95	0,4	1,03	-0,15
1029	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	65,22	10,59	442,07	66,08	0,11	2,28	2,28	-0,26
1030	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	-35,01	-9,47	-151,32	36,27	0,79	-1,54	1,74	-0,25
1031	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	9,36	70,47	-491,32	71,09	-2,36	-0,07	2,36	-0,26
1032	LC258_SpLS_Torsional_3_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	27,04	44,15	105,63	51,77	-1,48	1,02	1,8	-0,28
1033	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	37,06	4,83	241,36	37,37	0,1	1,3	1,31	-0,16
1034	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	-20,52	-5,7	-88,98	21,3	0,46	-0,9	1,01	-0,15
1035	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	5,54	41,39	-288,16	41,76	-1,39	-0,05	1,39	-0,15
1036	LC259_SpLS_Torsional_3_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	17,16	24,69	44,7	30,07	-0,84	0,64	1,06	-0,17
1037	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	42,55	5,26	275,54	42,88	0,12	1,49	1,49	-0,18
1038	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	-21,88	-8,25	-80,15	23,38	0,58	-0,99	1,14	-0,17
1039	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	6,1	46,83	-324,74	47,22	-1,59	-0,07	1,59	-0,18
1040	LC260_SpLS_Torsional_3_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	21,02	26,87	33,8	34,12	-0,92	0,77	1,21	-0,19
1041	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	42,3	4,96	271,34	42,59	0,13	1,48	1,49	-0,18
1042	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	-22,13	-7,95	-84,43	23,52	0,57	-0,99	1,14	-0,17
1043	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	6,36	47,04	-327,84	47,47	-1,59	-0,06	1,59	-0,18
1044	LC261_SpLS_Torsional_4_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	21,27	26,66	30,8	34,11	-0,92	0,78	1,21	-0,19
1045	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	AP	1,98	38,5	240,91	38,55	-1,27	-0,12	1,27	0,15
1046	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	AX	6,83	32,66	-158,29	33,37	-1,06	0,32	1,11	0,16
1047	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	AXY	37,4	9,81	-285,08	38,66	-0,03	1,33	1,33	0,15
1048	LC262_SpLS_Torsional_4_NL1a=Wind_Dir=38_Permanent*0.9	AY	-22,46	-2,21	111,38	22,57	0,35	-0,94	1	0,14
1049	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	4,46	70,31	449,3	70,45	-2,36	-0,25	2,37	0,29
1050	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	25,76	49,91	-159,45	56,17	-1,68	1,01	1,96	0,31
1051	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	70,63	11,09	-493,85	71,49	0,14	2,5	2,51	0,29
1052	LC263_SpLS_Torsional_4_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	-34,24	-15,58	109,06	37,62	1,01	-1,54	1,84	0,27
1053	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	1,5	39,79	246,55	39,82	-1,35	-0,18	1,36	0,17
1054	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	15,04	29,15	-94,46	32,8	-0,99	0,59	1,15	0,18
1055	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	41,55	6,54	-290,51	42,06	0,08	1,47	1,47	0,17
1056	LC264_SpLS_Torsional_4_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	-18,86	-10,28	47,33	21,48	0,62	-0,86	1,06	0,16
1057	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	2,38	44,86	282,91	44,92	-1,52	-0,19	1,53	0,19
1058	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	18,31	31,22	-87,86	36,19	-1,06	0,7	1,27	0,2
1059	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	46,98	7,36	-328,83	47,56	0,08	1,65	1,65	0,19
1060	LC265_SpLS_Torsional_4_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	-19,87	-12,74	38,23	23,6	0,74	-0,93	1,19	0,18
1061	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	2,12	44,57	278,72	44,62	-1,51	-0,2	1,52	0,19
1062	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	18,05	31,52	-92,16	36,32	-1,07	0,69	1,28	0,2
1063	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	47,24	7,57	-331,93	47,85	0,07	1,66	1,66	0,19
1064	LC266_SpLS_Longitudinal_1_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	-19,62	-12,95	35,24	23,51	0,74	-0,92	1,19	0,18
1065	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	AP	44,1	42,47	511,2	61,23	-1,16	1,3	1,74	-0,02
1066	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	AX	-3,03	13,32	-92,14	13,66	-0,19	-0,3	0,36	0
1067	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	AXY	41,54	49,55	-555,14	64,66	-1,44	1,18	1,86	-0,01
1068	LC267_SpLS_Longitudinal_1_NL1a=Wind_Dir=38_Permanent*0.9	AY	5,24	14,66	47,23	15,57	-0,28	0,01	0,28	-0,04
1069	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	85,93	76,96	964,35	115,36	-2,13	2,47	3,26	-0,05
1070	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	9,59	8,86	11,19	13,06	0,1	-0,12	0,16	0
1071	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	77,93	86,11	-1007,87	116,14	-2,56	2,17	3,36	-0,02
1072	LC268_SpLS_Longitudinal_1_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	22,62	13,09	-59,33	26,14	-0,09	0,4	0,41	-0,08
1073	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	48,12	42,92	538,23	64,47	-1,2	1,39	1,83	-0,03
1074	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	5,76	5,14	4,9	7,72	0,06	-0,05	0,08	0
1075	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	45,48	49,91	-582,07	67,52	-1,48	1,26	1,95	-0,01
1076	LC269_SpLS_Longitudinal_1_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	14,1	6,48	-49,9	15,52	-0,03	0,26	0,26	-0,05
1077	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	54,6	48,55	609,73	73,06	-1,36	1,57	2,08	-0,03
1078	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	7,08	5,21	12,98	8,79	0,08	-0,04	0,09	0
1079	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	51,25	56,04	-655,02	75,94	-1,67	1,42	2,19	-0,01
1080	LC270_SpLS_Longitudinal_1_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	16,27	6,95	-59,86	17,69	-0,02	0,31	0,31	-0,05
1081	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	54,6	48,55	609,73	73,06	-1,36	1,57	2,08	-0,03
1082	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	7,08	5,21	12,98	8,79	0,08	-0,04	0,09	0
1083	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	51,25	56,04	-655,02	75,94	-1,67	1,42	2,19	-0,01
1084	LC271_SpLS_Longitudinal_2_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	16,27	6,95	-59,86	17,69	-0,02	0,31	0,31	-0,05
1085	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	AP	-5,42	2,62	-21,74	6,02	-0,05	-0,14	0,15	0,02
1086	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	AX	-12,14	15,58	-166,02	19,75	-0,47	-0,33	0,58	0,01
1087	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	AXY	0,85	2,53	-22,07	2,66	-0,02	0,09	0,09	0,01
1088	LC272_SpLS_Longitudinal_2_NL1a=Wind_Dir=38_Permanent*0.9	AY	-12,39	9,47	122,08	15,6	-0,25	-0,38	0,45	0,02
1089	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	-8,94	2,48	-43,87	9,28	-0,06	-0,25	0,25	0,04
1090	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	-11,92	18,81	-192,9	22,27	-0,59	-0,28	0,66	0,03
1091	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	1,47	-1,48	-1,04	2,08	0,14	0,15	0,21	0,03
1092	LC273_SpLS_Longitudinal_2_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	-16,16	8,68	147,62	18,34	-0,2	-0,5	0,54	0,04

Row #	Load Case	Joint Label	Long. Force (kN)	Tran. Force (kN)	Vert. Force (kN)	Shear Force (kN)	Tran. Moment (kN-m)	Long. Moment (kN-m)	Bending Moment (kN-m)	Vert. Moment (kN-m)
1093	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	-5,59	0,77	-33,6	5,65	-0,01	-0,15	0,16	0,02
1094	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	-7,54	11,28	-118,74	13,57	-0,35	-0,19	0,4	0,01
1095	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	1,36	-0,02	-10,16	1,36	0,05	0,1	0,11	0,01
1096	LC274_SpLS_Longitudinal_2_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	-8,46	4,47	74,75	9,57	-0,1	-0,26	0,28	0,02
1097	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	-5,64	0,75	-34,06	5,69	-0,02	-0,16	0,16	0,02
1098	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	-7,25	11,04	-115,1	13,21	-0,35	-0,18	0,39	0,01
1099	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	1,47	0	-11,08	1,47	0,05	0,1	0,11	0,01
1100	LC275_SpLS_Longitudinal_2_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	-8,13	4,07	69,71	9,09	-0,09	-0,25	0,27	0,02
1101	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	-5,89	0,45	-38,35	5,91	0	-0,17	0,17	0,02
1102	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	-7,5	11,34	-119,41	13,59	-0,36	-0,18	0,4	0,01
1103	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	1,72	0,2	-14,09	1,73	0,05	0,11	0,12	0,01
1104	LC276_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	-7,87	3,86	66,72	8,77	-0,09	-0,24	0,26	0,02
1105	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	AP	38,71	42,67	479,76	57,61	-1,16	1,15	1,64	-0,01
1106	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	AX	-9,33	22,04	-183,7	23,93	-0,47	-0,45	0,65	0,01
1107	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	AXY	39,55	46,97	-526,22	61,4	-1,32	1,17	1,77	0
1108	LC277_SeLS_NL1a=Wind_Dir=38_Permanent*0.9	AY	-4,15	20,21	136,32	20,63	-0,43	-0,26	0,5	-0,03
1109	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AP	74,74	75,11	886,48	105,96	-2,09	2,15	3	-0,01
1110	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AX	3,37	20,62	-106,26	20,89	-0,29	-0,22	0,37	0,03
1111	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AXY	75,05	78,05	-938,97	108,28	-2,23	2,19	3,12	0,01
1112	LC278_SeLS_NL3=Wind+Ice_Dir=38_Permanent*0.9	AY	9,39	17,13	49,43	19,54	-0,19	0	0,19	-0,04
1113	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AP	42,03	41,86	495,23	59,32	-1,17	1,21	1,69	-0,01
1114	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AX	2,38	11,43	-57,9	11,68	-0,16	-0,11	0,19	0,02
1115	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AXY	43,65	45,27	-541,55	62,88	-1,3	1,26	1,81	0
1116	LC279_SeLS_NL4=MinTemp+Wind_Dir=38_Permanent*0.9	AY	6,85	8,75	10,38	11,11	-0,08	0,05	0,09	-0,02
1117	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AP	48,15	47,19	562,91	67,42	-1,32	1,38	1,91	-0,01
1118	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AX	3,94	11,27	-46,74	11,93	-0,13	-0,09	0,16	0,02
1119	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AXY	49,25	51,13	-611,95	70,99	-1,48	1,42	2,05	0
1120	LC280_SeLS_NL6a=Cons+Main_Dir=38_Permanent*0.9	AY	9,23	8,81	-3,9	12,76	-0,06	0,1	0,12	-0,03
1121	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AP	47,94	46,95	559,48	67,1	-1,32	1,38	1,91	-0,01
1122	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AX	3,72	11,51	-50,3	12,1	-0,14	-0,09	0,17	0,02
1123	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AXY	49,47	51,31	-614,59	71,27	-1,48	1,42	2,05	0
1124	LC281_SeLS_NL6b=Linesmen_Dir=38_Permanent*0.9	AY	9,44	8,63	-6,41	12,79	-0,06	0,1	0,12	-0,03

BIJLAGE D: BEREKENING AFSPANPORTALEN

Opdrachtgever: **TenneT TSO**
Project: **EU-200 Aansluiting op 110 kV-station Eibergen Realisatie**

Sterkte- en stabiliteitsberekening
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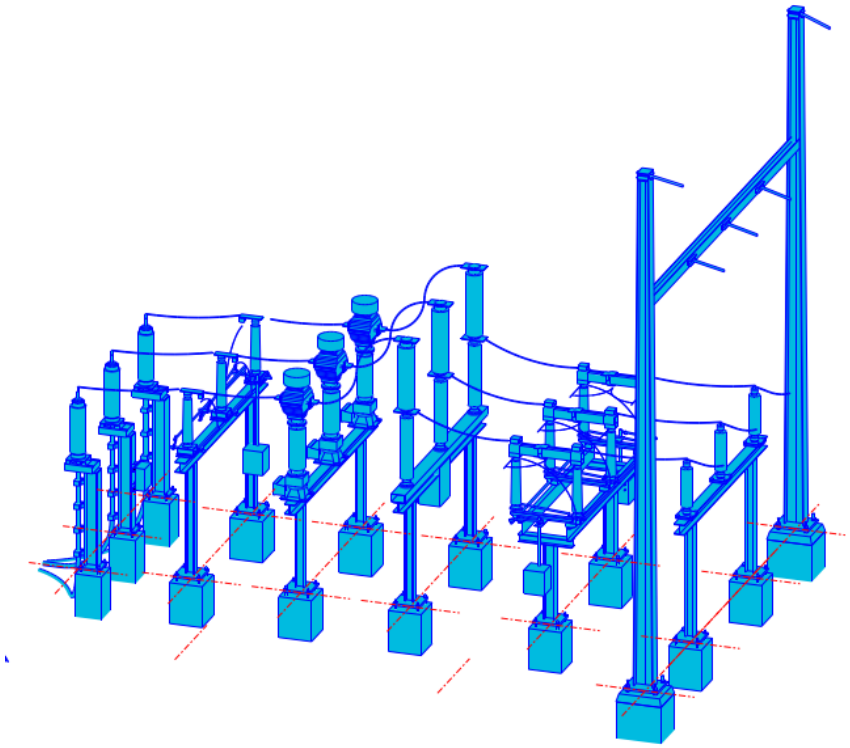
1 Beschrijving van het project

1.1 Algemene beschrijving van het project

Als onderdeel van het project Aansluiting op 110 kV-station Eibergen zijn onder andere twee nieuwe transformatorvelden E01 en E02 voorzien. Deze transformatorvelden worden beiden voorzien van nieuwe portaalconstructies. De locatie van deze portalen is te zien in Figuur 1. De twee portalen zijn identiek en bestaan uit stalen kolommen en een ligger. Iedere kolom van het portaal is gefundeerd op een losse fundering op staal. De staalconstructie is te zien in Figuur 2.

In dit document wordt de sterkte- en stabiliteitsberekening voor de staalconstructie omschreven en de gewicht- en stabiliteitsberekening voor de fundering.

Figuur 1 Positie nieuwe portalen



Figuur 2 3D aanzicht van de constructie

1.2 Revisies

1.2.1 Revisie 0

Eerste uitgave

2 Uitgangspunten van het ontwerp

2.1 Normen & voorschriften

Deze berekening is gebaseerd op de laatste uitgave van de volgende Europese normen met Nederlandse Nationale Bijlagen:

- NEN-EN 1990 & NB Grondslagen van het constructief ontwerp
- NEN-EN 1991 & NB Belastingen op de constructies
- NEN-EN 1992 & NB Betonconstructies
- NEN-EN 1993 & NB Staalconstructies

2.2 Materialen

2.2.1 Stalen profielen

Warmgewalste profielen en platen (NEN-EN 1993-1-1 & NB)

- S355 f_y = 355 N/mm^2 f_u = 490 N/mm^2

2.2.1.1 Materiaalfactoren

Partiële factoren voor capaciteit en doorsneden van de staven
◊ Conform Art.6.1 van NEN-EN 1993-1-1/NB

- γ_{M0} = 1,0
- γ_{M1} = 1,0
- γ_{M2} = 1,25

2.2.2 Beton

2.2.2.1 Betonkwaliteit

Conform Tabel 3.1 van NEN-EN 1992-1-1

- C30/37 f_{ck} = 30 N/mm^2 $f_{ck;cube}$ = 37 N/mm^2

2.2.2.2 Kwaliteit wapeningstaal

Conform Bijlage C van NEN-EN 1992-1-1/NB en NEN-EN 10080

- B500B f_{yk} = 500 N/mm^2 met gedeukt of geribd oppervlak

2.2.2.3 Partiële factoren voor materialen

Conform Art.2.4.2.4 van NEN-EN 1992-1-1/NB

Ontwerpsituaties	γ_c voor beton	γ_s voor staal
Blijvend en tijdelijk	1,5	1,15

2.3 Duurzaamheid

Specifieke aspecten met betrekking tot duurzaamheid, conservering e.d. worden (indien nodig) vermeld in specificaties of tekeningen.

2.4 Ontwerpcriteria

Ontwerplevensduur

◊ Conform Tabel NB.1 – 2.1 van NEN-EN 1990/NB

- ❑ Klasse 3 50 jaar Gebouwen en andere gewone constructies

Gevolgklasse

◊ Conform Tabellen NB.20 – B1 van NEN-EN 1990/NB

- ❑ CC2 **Middelmatige** gevolgen ten aanzien van het verlies van mensenlevens, en/of **aanzienlijke** economische gevolgen, sociale gevolgen of gevolgen voor de omgeving

Ontwerpcriteria voor vervorming

◊ Conform 3.6 van SPE.04.004

- ❑ Maximale horizontale verplaatsing ondersteunende apparatuur: 1/150 van de hoogte
- ❑ Maximale verticale doorbuiging portalen: 1/500 van de overspanning

2.5 Computertoepassingen

- ❑ Technosoft

2.6 Bijzonderheden

- ❑ Op het moment dat deze berekening gemaakt wordt is het funderingsadvies nog niet beschikbaar. Als verticale bedding constante voor grond onder een fundering op staal wordt $k_{v;d}$ = 5,0 MN/m^3 aangehouden.
- ❑ Voor het gewicht van grond bovenop de fundering wordt γ_{grond} = 15,0 kN/m^3 aangehouden.

3 Belastingen

3.1 Algemene belastingen

3.1.1 Blijvende belastingen (BG1)

3.1.1.1 Eigen gewicht constructieve elementen

- Staal: γ_k = 78,5 kN/m^3
- Gewapend beton: γ_k = 25,0 kN/m^3
- Grond: γ_k = 15,0 kN/m^3

3.1.2 Windbelasting (BG2)

Windsnelheid en stuwdruk

Stuwdruk qp(z) conform Tabel 4.8 NB van NEN-EN 1991-1-4/NB

- Gebied: III
- Terrein: onbebouwd
- Hoogte portaal 12,25 m, neem voor de bepaling van de windbelasting een hoogte h = 15,0 m.
- q_p (15,0 m) = 0,80 kN/m^2
- $c_s c_d$ = 1,0; c_0 = 1,0.

Druk-, wrijvings- en krachtcoëfficiënten

Conform 7.7 van NEN-EN 1991-1-4 & NB

- c_f = 2,0 voor constructie-elementen met scherphoekige doorsneden.

3.1.3 Belastingen uit geleider (BG3)

In bijlage 3 zijn de belastingen uit de geleiders gegeven. Uit de opgegeven belastingcombinaties is onderstaande maatgevende selectie gemaakt.

3.1.3.1 Belastingen UGT (BG3-1.1 t/m BG3-1.3)

Geleider	Verticaal (kN)	Transversaal (kN)	Longitudinaal (kN)
Aarding 1	-1,1	1,5	3,4
Aarding 2	-1,5	0,7	3,4
Fase 1	-0,6	0,8	4,0
Fase 2	-1,1	0,9	3,8
Fase 3	-0,7	0,7	3,9

Tabel 1 Belastingcombinatie ULS-3-1, portaal 1

Geleider	Verticaal (kN)	Transversaal (kN)	Longitudinaal (kN)
Aarding 1	-1,3	-1,7	3,2
Aarding 2	-1,0	-2,5	2,8
Fase 1	-0,3	-2,1	3,6
Fase 2	-0,7	-2,2	3,4
Fase 3	-0,4	-2,2	3,5

Tabel 2 Belastingcombinatie ULS-3-1', portaal 2

3.1.3.2 Belastingen BGT (BG3-2.1 t/m BG3-2.2)

Geleider	Verticaal (kN)	Transversaal (kN)	Longitudinaal (kN)
Aarding 1	-0,9	0,7	3,0
Aarding 2	-1,2	0,0	2,9
Fase 1	-0,5	0,1	3,4
Fase 2	-0,9	0,1	3,3
Fase 3	-0,6	0,0	3,3

Tabel 3 Belastingcombinatie SeLS-3-1', portaal 1

Geleider	Verticaal (kN)	Transversaal (kN)	Longitudinaal (kN)
Aarding 1	-1,1	-1,4	2,7
Aarding 2	-0,9	-2,0	2,4
Fase 1	-0,2	-1,7	3,0
Fase 2	-0,6	-1,7	2,8
Fase 3	-0,3	-1,8	2,9

Tabel 4 Belastingcombinatie SeLS-3-1', portaal 2

3.1.4 Waarden voor Ψ factoren

◊ Conform Tabel NB.2 - A1.1 van NEN-EN 1990/NB

- ❑ Windbelasting $\Psi_0 = 0,0$ $\Psi_1 = 0,2$ $\Psi_2 = 0,0$

4 Belastingcombinaties

4.1 ULS - uiterste grenstoestand

◊ Conform NEN-EN 1990/NB

STR/GEO – sterkte van de constructie / bezwijken van de grond

Tabel NB.4 – A1.2(B) – Rekenwaarden van belastingen (STR/GEO) (Groep B)

Blijvende en tijdelijke ontwerp situatie	**Blijvende belastingen**		**Overheersende veranderlijke belasting (*)**	**Veranderlijke belastingen (*) gelijktijdig met de overheersende**	
	Ongunstig	Gunstig		Belangrijkste (zo nodig)	Andere
(Vgl. 6.10a)	1,35 $G_{kj,sup}$	0,9 $G_{kj,inf}$		1,5 $\psi_{0,1}Q_{k,1}$	1,5 $\psi_{0,i}Q_{k,i}$ i > 1
(Vgl. 6.10b)	1,2 $G_{kj,sup}$ ζ = 0,89 is verwerkt	0,9 $G_{kj,inf}$	1,5 $Q_{k,1}$		1,5 $\psi_{0,i}Q_{k,i}$ i > 1

4.2 Buitengewone belastingcombinaties

◊ Conform NEN-EN 1990

Tabel A1.3 – Rekenwaarden van belastingen voor het gebruik in buitengewone belastingscombinaties

Blijvende en tijdelijke ontwerp situatie	**Blijvende belastingen**		**Overheersende buitengewone belasting**	**Veranderlijke belastingen gelijktijdig met de overheersende**	
	Ongunstig	Gunstig		Belangrijkste (zo nodig)	Andere
(Vgl. 6.11a/b)	1,0 $G_{kj,sup}$	1,0 $G_{kj,inf}$	1,0 A_d	$\psi_{1,1}Q_{k,1}$	$\psi_{2,i}Q_{k,i}$ i > 1

4.3 SLS – bruikbaarheids grenstoestand

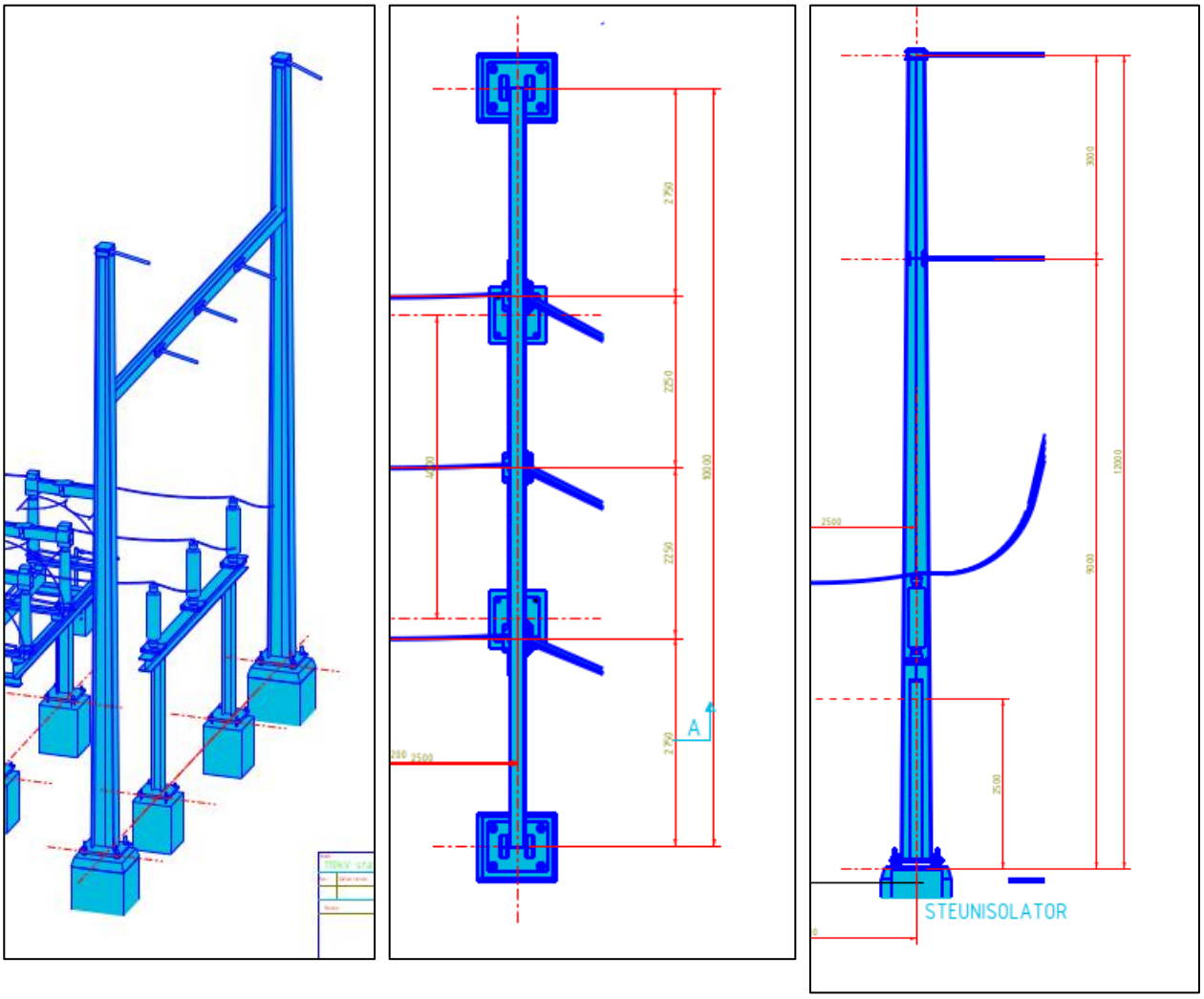
◊ Conform NEN-EN 1990

Tabel A1.4 – Rekenwaarden van belastingen voor gebruik in belastingcombinaties

Combinatie	**Blijvende belastingen G_d**		**Veranderlijke belastingen Q_d**	
	Ongunstig	**Gunstig**	**Ongunstig**	**Gunstig**
Karakteristiek	1,0 $G_{kj,sup}$	1,0 $G_{kj,inf}$	1,0 $Q_{k,1}$	1,0 $\psi_{0,i}Q_{k,i}$
Frequent	1,0 $G_{kj,sup}$	1,0 $G_{kj,inf}$	1,0 $\Psi_{1,1}Q_{k,1}$	1,0 $\Psi_{2,i}Q_{k,i}$
Quasi-blijvend	1,0 $G_{kj,sup}$	1,0 $G_{kj,inf}$	1,0 $\Psi_{2,1}Q_{k,1}$	1,0 $\Psi_{2,i}Q_{k,i}$

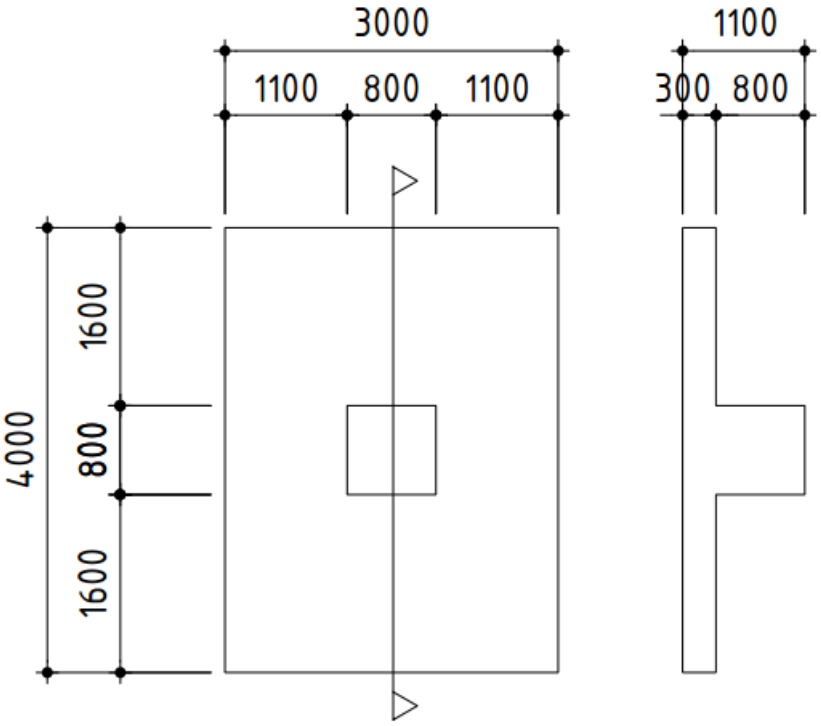
5 Schematisch overzicht

5.1 Portaal



Figuur 3 Tekeningen van het nieuwe portal. Links 3D overzicht, midden bovenaanzicht, rechts zijaanzicht, zie ook bijlage 1.

5.2 Fundering portaalkolom

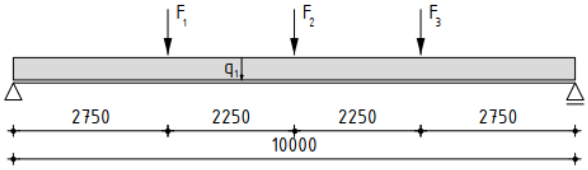


Figuur 4 Schets van de fundering op staal van 1 kolom

6 Berekening

6.1 Ligger horizontaal vlak

De constructie wordt ingevoerd in Technosoft. Voor de invoer en uitvoer, zie bijlage 2.



6.1.1 Blijvende belastingen (BG1)

N.V.T.

6.1.2 Windbelasting (BG2)

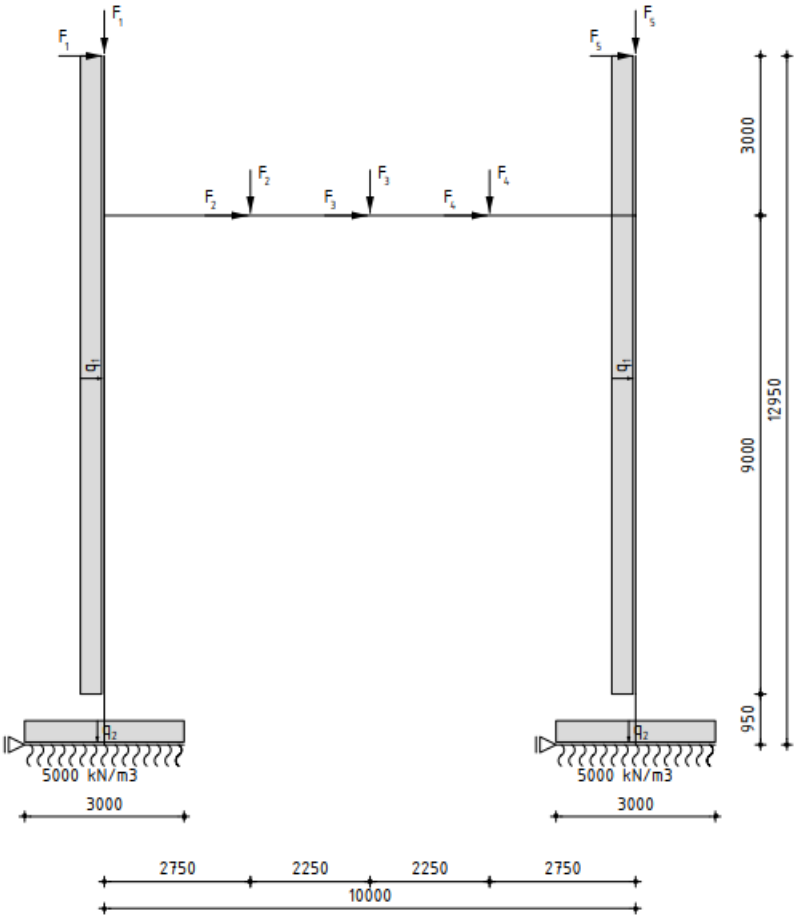
Wind op ligger: q_1 = 2,0 x 0,3 m x 0,8 kN/m^2 = 0,5 kN/m

6.1.3 Belasting uit geleider (BG3-1.1 t/m BG3-2.2)

Zie 3.1.3.

6.2 Portaal transversaal vlak

De constructie wordt ingevoerd in Technosoft. Voor de invoer en uitvoer, zie bijlage 2. Het effect van de rotatiestijfheid van scharnierende verbindingen en inklemmingen is niet meegenomen.



6.2.1 Blijvende belastingen (BG1)

Grond op fundering: q_2 = 0,5 m x 4,0 m x 15 kN/m^3 = 30,0 kN/m

6.2.2 Windbelasting (BG2)

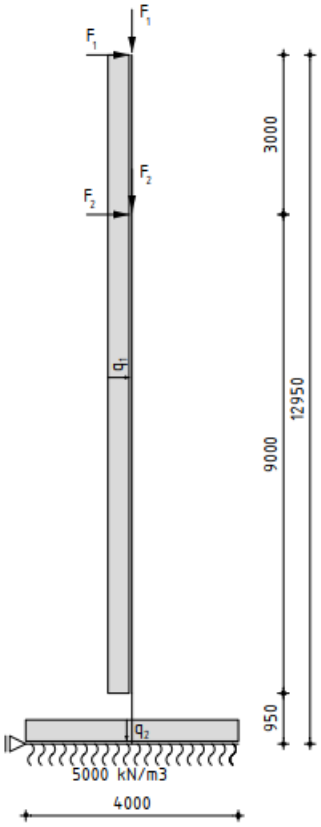
Wind op kolom: q_1 = 2,0 x 0,45 m x 0,8 kN/m^2 = 0,7 kN/m

6.2.3 Belasting uit geleider (BG3-1.1 t/m BG3-2.2)

Zie 3.1.3.

6.3 Portaal longitudinaal vlak

De constructie wordt ingevoerd in Technosoft. Voor de invoer en uitvoer, zie bijlage 2. Het effect van de rotatiestijfheid van scharnierende verbindingen en inklemmingen is niet meegenomen.



6.3.1 Blijvende belastingen (BG1)

Grond op fundering: q_2 = 0,5 m x 3,0 m x 15 kN/m^3 = 22,5 kN/m

6.3.2 Windbelasting (BG2)

Wind op kolom: q_1 = 2,0 x 0,3 m x 0,8 kN/m^2 = 0,5 kN/m

6.3.3 Belasting uit geleider (BG3-1.1 t/m BG3-2.2)

Zie 3.1.3.

7 Resultaten

7.1 Uiterste grens toestand (UGT)

7.1.1 Staalconstructie

Kolom

$U.C._x + U.C._y = 0,14 + 0,26 = 0,40 \leq 1,0$ Voldoet

Ligger

$U.C._x + U.C._y = 0,32 + 0,11 = 0,43 \leq 1,0$ Voldoet

7.1.2 Gronddruk

$\sigma_{max} = 43$ kN/m^2

Het funderingsonderzoek is nog niet afgerond. Desondanks kan geconcludeerd worden dat de maximale gronddruk zodanig laag is dat deze voldoet.

7.2 Bruikbaarheid grens toestand (BGT)

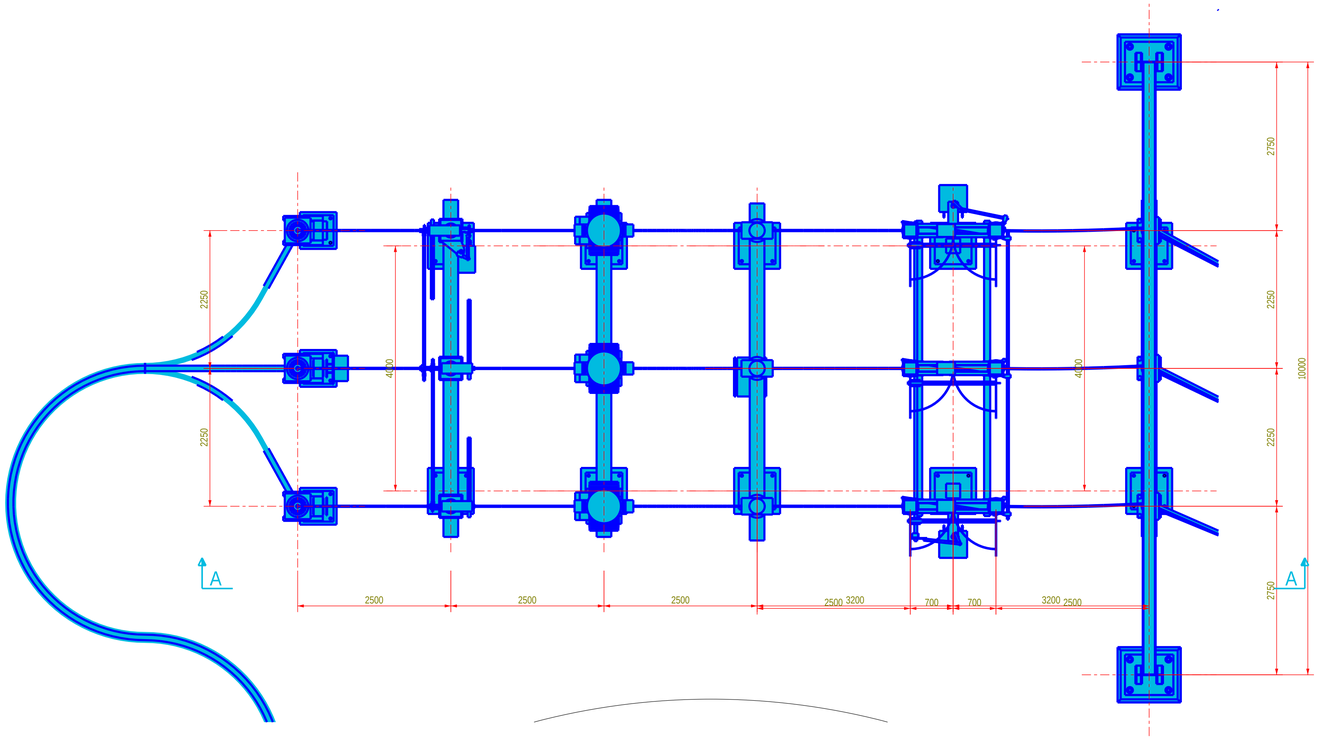
In de toetsing van de verplaatsing van de kolom is het effect van de rotatiestijfheid ter plaatste van de verankering aan de fundering niet meegenomen. De inklemming wordt als een volledig stijve inklemming gezien. In een volgende fase dient dit meegenomen te worden.

Kolom

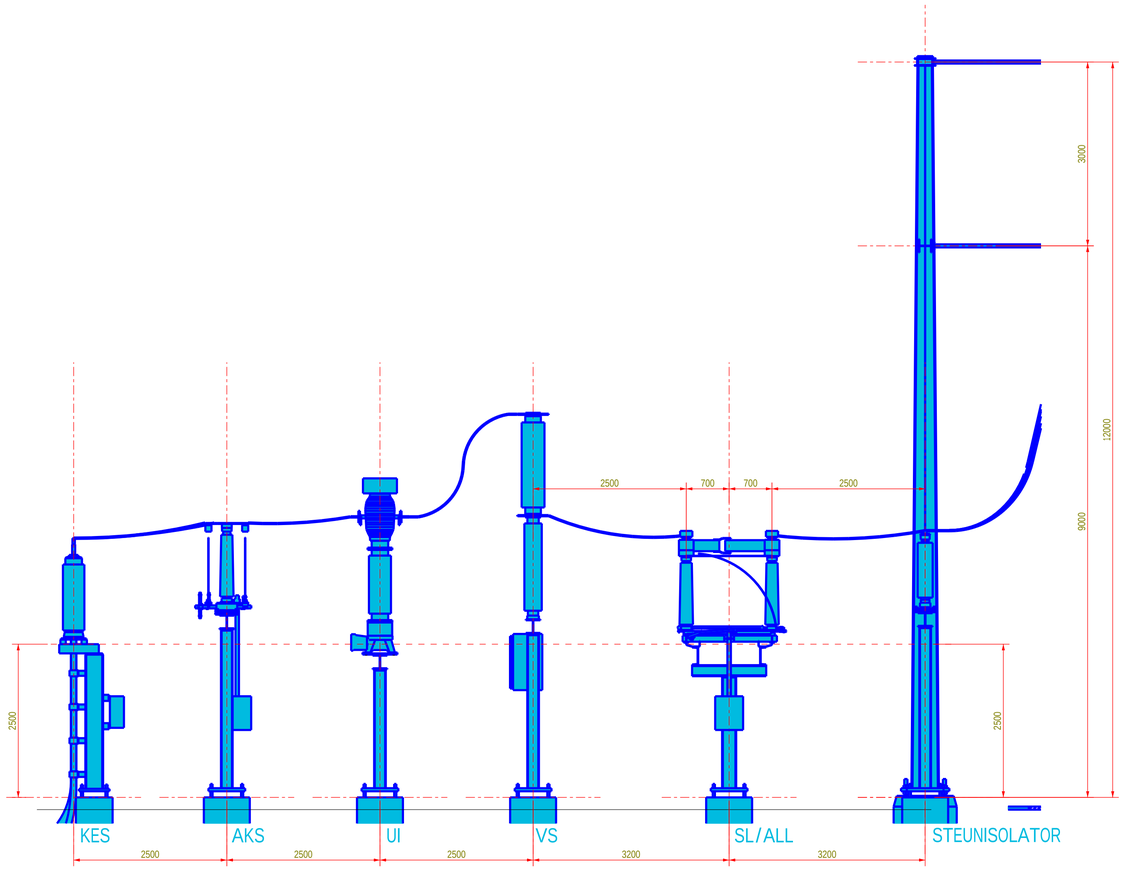
$U_{max} = 66$ mm $\leq h / 150 = 12250 / 150 = 82$ mm Voldoet

Ligger

$U_{max} = 66 + 9,2$ mm $= 75,2$ mm $\leq h / 150 = 12250 / 150 = 82$ mm Voldoet



Bovenaanzicht
1:50



Doorsnede A - A
1:50

Naam: 110kV station Eibergen - twee nieuwe trafovelden				Tekeningstatus		
Rev.	Datum revisie	Omschrijving revisie	Getekend	Datum As-Built	Schaal	Formaat
B	28.01.2021	GEWIJZIGD	Ing. bur. Aafjes b.v.		1:50	A1

Relatie:

Thema:

Categorie:

Documentcode:

Object ID: EBG110

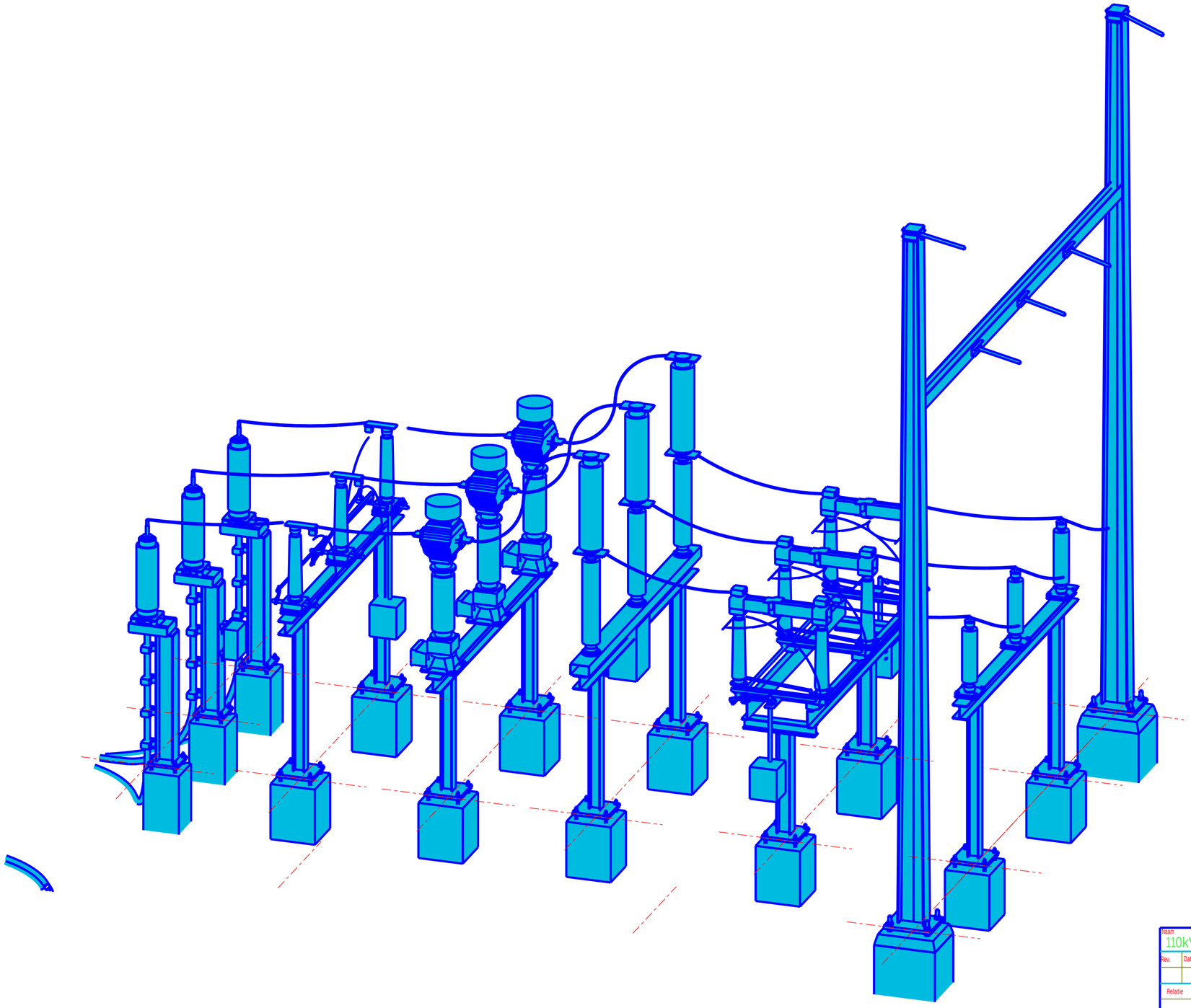
Cvd tekeningnummer:

Omschrijving: Bovenaanzicht en doorsnede trafoveld Tr 113

Documentnummer: G [2]

TenneT Taking power further

Tekla Structures



1:50

Naam: 110kV station Eibergen - twee nieuwe trafovelden				Tekeningstatus	
Rev.	Datum revisie	Omschrijving revisie	Getekend	Datum As-Built	Schaal	Formaat
			Ing. bur. Aafjes b.v.		1:50	A2

Relatie

Oud tekeningnummer:

Thema

Categorie

Documentcode

Object ID: EBG110

Omschrijving: 3D - trafoveld Tr 113

Documentnummer: G [7]

TenneT Taking power further

Tekla Structures

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft
Dimensies....: kN;m;rad (tenzij anders aangegeven)
Datum.....: 01/03/2021
Bestand.....: D:\Users\037025\OneDrive - Bilfinger\Documents\TenneT\Eibergen\1334001\overig\funderig_portaal_eibergen_upper.rww

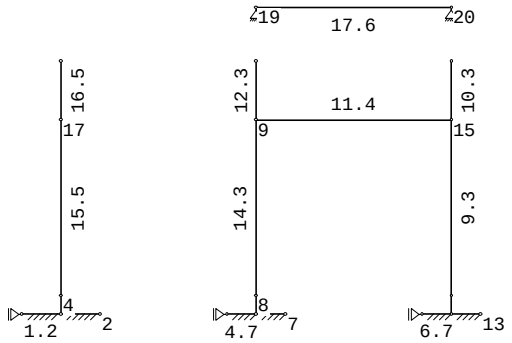
Rekenmodel.....: 1e-orde-elastisch.
Theorie voor de bepaling van de krachtsverdeling:
Geometrisch lineair.
Fysisch lineair.

Gunstige werking van de permanente belasting wordt automatisch verwerkt.

Toegepaste normen volgens Eurocode met Nederlandse NB

Belastingen	NEN-EN 1990:2002	C2:2010	NB:2011(nl)
	NEN-EN 1991-1-1:2002	C1:2009	NB:2011(nl)
Staal	NEN-EN 1993-1-1:2006	C2:2011,A1:2016	NB:2016(nl)

GEOMETRIE



MATERIALEN

Mt	Omschrijving	E-modulus[N/mm2]	S.G.	Pois.	Uitz. coëff
1	S355	210000	78.5	0.30	1.2000e-05
2	C30/37	9465	25.0	0.20	1.0000e-05
4	C12/15	5944	25.0	0.20	1.0000e-05

MATERIALEN vervolg

Mt	Omschrijving	Cement	Kruipfac.	Toeslag	Rho[kg/m3]
2	C30/37	N	2.47	Normaal	2400
4	C12/15	N	3.56	Normaal	2400

PROFIELEN [mm]

Prof.	Omschrijving	Materiaal	Oppervlak	Traagheid	Vormf.
1	B*H 800*800	2:C30/37	6.4000e+05	3.4133e+10	0.00
2	B*H 3000*300	2:C30/37	9.0000e+05	6.7500e+09	0.00
3	HEA500Z	1:S355	1.9750e+04	1.0370e+08	0.00
4	HEA300Z	1:S355	1.1250e+04	6.3100e+07	0.00
5	HEA500	1:S355	1.9750e+04	8.6980e+08	0.00
6	HEA300	1:S355	1.1250e+04	1.8260e+08	0.00

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

PROFIELEN [mm]

Prof.	Omschrijving	Materiaal	Oppervlak	Traagheid	Vormf.
7	B*H 4000*300	2:C30/37	1.2000e+06	9.0000e+09	0.00

PROFIELEN vervolg [mm]

Prof.	Staaftype	Breedte	Hoogte	e	Type	b1	h1	b2	h2
1	0:Normaal	800	800	400.0	0:RH				
2	0:Normaal	3000	300	150.0	0:RH				
3	0:Normaal	300	490	150.0					
4	0:Normaal	300	290	150.0					
5	0:Normaal	300	490	245.0					
6	0:Normaal	300	290	145.0					
7	0:Normaal	4000	300	150.0	0:RH				

PROFIELVORMEN [mm]

1 B*H 800*800

2 B*H 3000*300

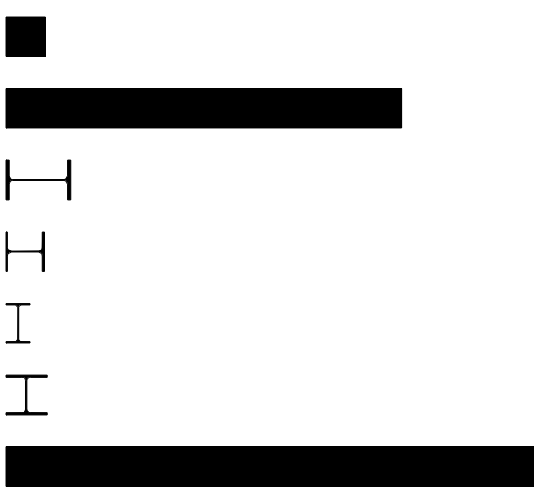
3 HEA500Z

4 HEA300Z

5 HEA500

6 HEA300

7 B*H 4000*300



KNOPEN

Knoop	X	Z	Knoop	X	Z
1	-2.000	-0.700	6	10.000	-0.700
2	2.000	-0.700	7	11.500	-0.700
3	0.000	-0.700	8	10.000	0.250
4	0.000	0.250	9	10.000	9.250
5	8.500	-0.700	10	10.000	12.250
11	18.500	-0.700	16	20.000	12.250
12	20.000	-0.700	17	0.000	9.250
13	21.500	-0.700	18	0.000	12.250
14	20.000	0.250	19	10.000	15.000
15	20.000	9.250	20	20.000	15.000

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

STAVEN

St.	ki	kj	Profiel	Aansl.i	Aansl.j	Lengte	Opm.
1	1	3	2:B*H 3000*300	NDM	NDM	2.000	
2	3	2	2:B*H 3000*300	NDM	NDM	2.000	
3	4	3	1:B*H 800*800	NDM	NDM	0.950	
4	5	6	7:B*H 4000*300	NDM	NDM	1.500	
5	6	7	7:B*H 4000*300	NDM	NDM	1.500	
6	11	12	7:B*H 4000*300	NDM	NDM	1.500	
7	12	13	7:B*H 4000*300	NDM	NDM	1.500	
8	12	14	1:B*H 800*800	NDM	NDM	0.950	
9	14	15	3:HEA500Z	NDM	NDM	9.000	
10	15	16	3:HEA500Z	NDM	NDM	3.000	
11	15	9	4:HEA300Z	NDM	NDM	10.000	
12	10	9	3:HEA500Z	NDM	NDM	3.000	
13	8	6	1:B*H 800*800	NDM	NDM	0.950	
14	9	8	3:HEA500Z	NDM	NDM	9.000	
15	4	17	5:HEA500	NDM	NDM	9.000	
16	17	18	5:HEA500	NDM	NDM	3.000	
17	19	20	6:HEA300	NDM	NDM	10.000	

VASTE STEUNPUNTEN

Nr.	knoop	Kode XZR 1=vast 0=vrij	Hoek
1	1	100	0.00
2	5	100	0.00
3	11	100	0.00
4	19	110	0.00
5	20	110	0.00

BEDDINGEN

Nr.	Staven	Bedding	Breedte[mm]	Zijde
1	1,2,4-7	5000	0	negatief

BELASTINGGEVALLEN

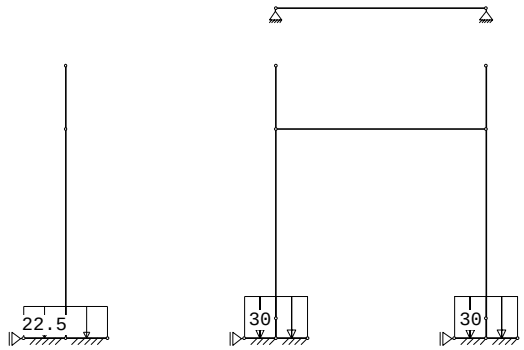
B.G.	Omschrijving		Type
1	Permanente belasting	EGZ=-1.00	1
2	Windbelasting		7 Wind van links onderdruk A
3	Geleiders: ULS-3-1, portaal 1		7 Wind van links onderdruk A
4	Geleiders: ULS-3-1, portaal 2		7 Wind van links onderdruk A
5	Geleiders: SeLS-3-1, portaal 1		7 Wind van links onderdruk A
6	Geleiders: SeLS-3-1, portaal 2		7 Wind van links onderdruk A
7	Knik		0 Onbekend

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

BELASTINGEN

B.G:1 Permanente belasting

Eigen gewicht van alle staven is meegenomen in berekening. Richting:↓



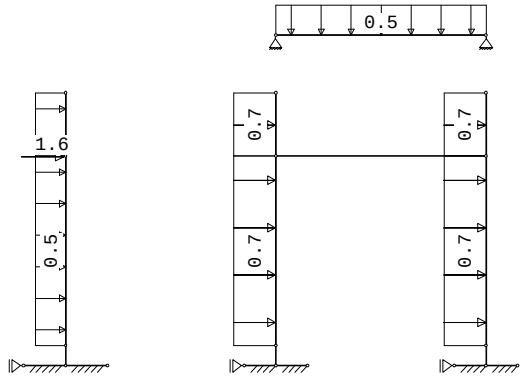
STAAFBELASTINGEN

B.G:1 Permanente belasting

Staaf	Type	q1/p/m	q2	A	B	ψ_0	ψ_1	ψ_2
1	1:QZLokaal	-22.50	-22.50	0.000	0.000			
2	1:QZLokaal	-22.50	-22.50	0.000	0.000			
4	1:QZLokaal	-30.00	-30.00	0.000	0.000			
5	1:QZLokaal	-30.00	-30.00	0.000	0.000			
6	1:QZLokaal	-30.00	-30.00	0.000	0.000			
7	1:QZLokaal	-30.00	-30.00	0.000	0.000			

BELASTINGEN

B.G:2 Windbelasting



KNOOPBELASTINGEN

B.G:2 Windbelasting

Last	Knoop	Richting	waarde	ψ_0	ψ_1	ψ_2
1	17	X	1.600	0.0	0.2	0.0

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

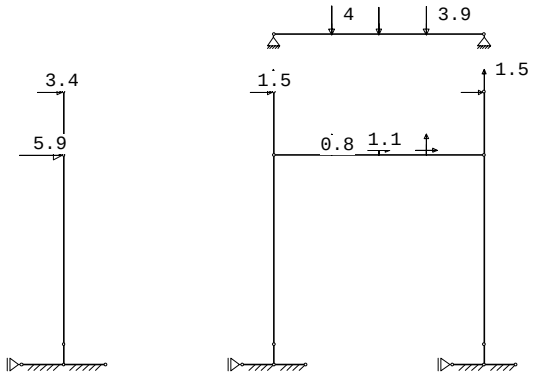
STAAFBELASTINGEN

B.G:2 Windbelasting

Staaf	Type	q1/p/m	q2	A	B	ψ_0	ψ_1	ψ_2
15	1:QZLokaal	-0.50	-0.50	0.000	0.000	0.0	0.2	0.0
16	1:QZLokaal	-0.50	-0.50	0.000	0.000	0.0	0.2	0.0
14	1:QZLokaal	0.70	0.70	0.000	0.000	0.0	0.2	0.0
12	1:QZLokaal	0.70	0.70	0.000	0.000	0.0	0.2	0.0
10	1:QZLokaal	-0.70	-0.70	0.000	0.000	0.0	0.2	0.0
9	1:QZLokaal	-0.70	-0.70	0.000	0.000	0.0	0.2	0.0
17	1:QZLokaal	-0.50	-0.50	0.000	0.000	0.0	0.2	0.0

BELASTINGEN

B.G:3 Geleiders: ULS-3-1, portaal 1



KNOOPBELASTINGEN

B.G:3 Geleiders: ULS-3-1, portaal 1

Last	Knoop	Richting	waarde	ψ_0	ψ_1	ψ_2
1	17	X	5.900	0.0	0.2	0.0
2	10	Z	1.100	0.0	0.2	0.0
3	16	Z	1.500	0.0	0.2	0.0
4	10	X	1.500	0.0	0.2	0.0
5	16	X	0.700	0.0	0.2	0.0
6	18	X	3.400	0.0	0.2	0.0

STAAFBELASTINGEN

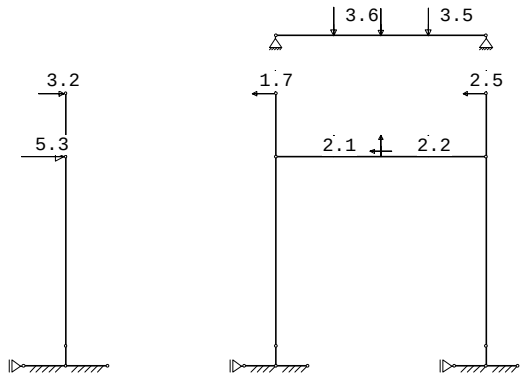
B.G:3 Geleiders: ULS-3-1, portaal 1

Staaf	Type	q1/p/m	q2	A	B	ψ_0	ψ_1	ψ_2
17	10:PZGeproj.	-4.00		2.750		0.0	0.2	0.0
17	10:PZGeproj.	-3.80		5.000		0.0	0.2	0.0
17	10:PZGeproj.	-3.90		7.250		0.0	0.2	0.0
11	10:PZGeproj.	0.60		7.250		0.0	0.2	0.0
11	10:PZGeproj.	1.10		5.000		0.0	0.2	0.0
11	10:PZGeproj.	0.70		2.750		0.0	0.2	0.0
11	11:PXGeproj.	0.80		7.250		0.0	0.2	0.0
11	11:PXGeproj.	0.90		5.000		0.0	0.2	0.0
11	11:PXGeproj.	0.70		2.750		0.0	0.2	0.0

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

BELASTINGEN

B.G:4 Geleiders: ULS-3-1, portaal 2



KNOOPBELASTINGEN

B.G:4 Geleiders: ULS-3-1, portaal 2

Last	Knoop	Richting	waarde	ψ_0	ψ_1	ψ_2
1	17	X	5.300	0.0	0.2	0.0
2	10	Z	1.300	0.0	0.2	0.0
3	16	Z	1.000	0.0	0.2	0.0
4	10	X	-1.700	0.0	0.2	0.0
5	16	X	-2.500	0.0	0.2	0.0
6	18	X	3.200	0.0	0.2	0.0

STAAFBELASTINGEN

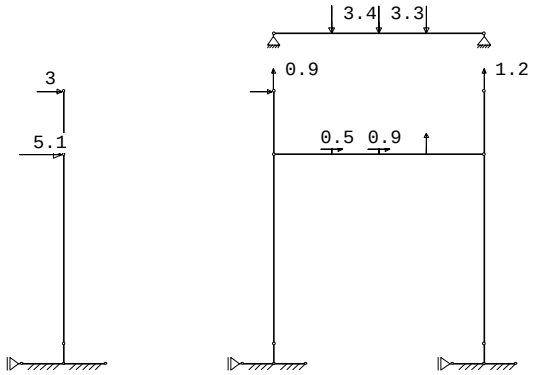
B.G:4 Geleiders: ULS-3-1, portaal 2

Staaf	Type	q1/p/m	q2	A	B	ψ_0	ψ_1	ψ_2
17	10:PZGeproj.	-3.60		2.750		0.0	0.2	0.0
17	10:PZGeproj.	-3.40		5.000		0.0	0.2	0.0
17	10:PZGeproj.	-3.50		7.250		0.0	0.2	0.0
11	10:PZGeproj.	0.30		7.250		0.0	0.2	0.0
11	10:PZGeproj.	0.70		5.000		0.0	0.2	0.0
11	10:PZGeproj.	0.40		2.750		0.0	0.2	0.0
11	11:PXGeproj.	-2.10		7.250		0.0	0.2	0.0
11	11:PXGeproj.	-2.20		5.000		0.0	0.2	0.0
11	11:PXGeproj.	-2.20		2.750		0.0	0.2	0.0

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

BELASTINGEN

B.G:5 Geleiders: SeLS-3-1, portaal 1



KNOOPBELASTINGEN

B.G:5 Geleiders: SeLS-3-1, portaal 1

Last	Knoop	Richting	waarde	ψ_0	ψ_1	ψ_2
1	17	X	5.100	0.0	0.2	0.0
2	10	Z	0.900	0.0	0.2	0.0
3	16	Z	1.200	0.0	0.2	0.0
4	10	X	0.700	0.0	0.2	0.0
5	16	X	0.000	0.0	0.2	0.0
6	18	X	3.000	0.0	0.2	0.0

STAAFBELASTINGEN

B.G:5 Geleiders: SeLS-3-1, portaal 1

Staaf	Type	q1/p/m	q2	A	B	ψ_0	ψ_1	ψ_2
17	10:PZGeproj.	-3.40		2.750		0.0	0.2	0.0
17	10:PZGeproj.	-3.30		5.000		0.0	0.2	0.0
17	10:PZGeproj.	-3.30		7.250		0.0	0.2	0.0
11	10:PZGeproj.	0.50		7.250		0.0	0.2	0.0
11	10:PZGeproj.	0.90		5.000		0.0	0.2	0.0
11	10:PZGeproj.	0.60		2.750		0.0	0.2	0.0
11	11:PXGeproj.	0.10		7.250		0.0	0.2	0.0
11	11:PXGeproj.	0.10		5.000		0.0	0.2	0.0
11	11:PXGeproj.	0.00		2.750		0.0	0.2	0.0

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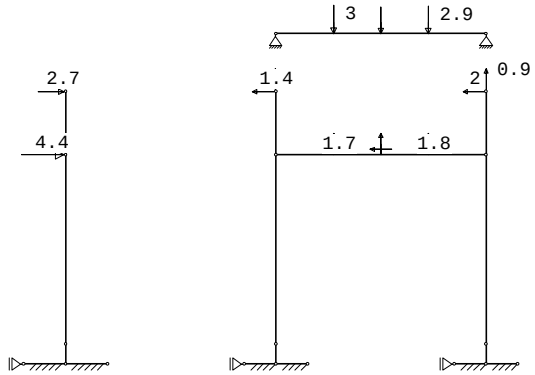
Onderdeel....: Bijlage 2 Uitvoer Technosoft

BELASTINGEN

B.G:6 Geleiders: SeLS-3-1, portaal 2



KNOOPBELASTINGEN

B.G:6 Geleiders: SeLS-3-1, portaal 2

Last	Knoop	Richting	waarde	ψ_0	ψ_1	ψ_2
1	17	X	4.400	0.0	0.2	0.0
2	10	Z	1.100	0.0	0.2	0.0
3	16	Z	0.900	0.0	0.2	0.0
4	10	X	-1.400	0.0	0.2	0.0
5	16	X	-2.000	0.0	0.2	0.0
6	18	X	2.700	0.0	0.2	0.0

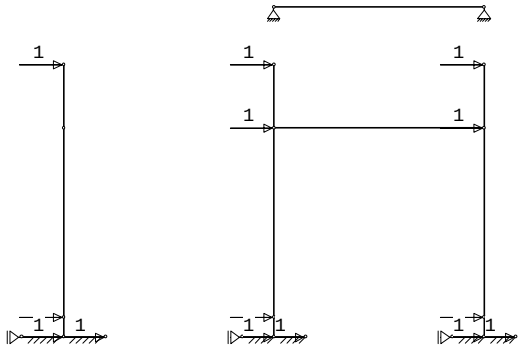
STAAFBELASTINGEN

B.G:6 Geleiders: SeLS-3-1, portaal 2

Staaf	Type	q1/p/m	q2	A	B	ψ_0	ψ_1	ψ_2
17	10:PZGeproj.	-3.00		2.750		0.0	0.2	0.0
17	10:PZGeproj.	-2.80		5.000		0.0	0.2	0.0
17	10:PZGeproj.	-2.90		7.250		0.0	0.2	0.0
11	10:PZGeproj.	0.20		7.250		0.0	0.2	0.0
11	10:PZGeproj.	0.60		5.000		0.0	0.2	0.0
11	10:PZGeproj.	0.30		2.750		0.0	0.2	0.0
11	11:PXGeproj.	-1.70		7.250		0.0	0.2	0.0
11	11:PXGeproj.	-1.70		5.000		0.0	0.2	0.0
11	11:PXGeproj.	-1.80		2.750		0.0	0.2	0.0

BELASTINGEN

B.G:7 Knik



KNOOPBELASTINGEN

B.G:7 Knik

Last	Knoop	Richting	waarde	ψ_0	ψ_1	ψ_2
1	2	X	1.000			
2	3	X	1.000			
3	4	X	1.000			
4	6	X	1.000			
5	7	X	1.000			
6	8	X	1.000			
7	9	X	1.000			
8	10	X	1.000			
9	12	X	1.000			
10	13	X	1.000			
11	14	X	1.000			
12	15	X	1.000			
13	16	X	1.000			
14	18	X	1.000			

BELASTINGCOMBINATIES

BC	Type					
1	Fund.	0.90 $G_{k,1}$	+	1.50 $Q_{k,2}$	+	1.00 $Q_{k,3}$
2	Fund.	1.20 $G_{k,1}$	+	1.50 $Q_{k,2}$	+	1.00 $Q_{k,3}$
3	Fund.	0.90 $G_{k,1}$	+	1.50 $Q_{k,2}$	+	1.00 $Q_{k,4}$
4	Fund.	1.20 $G_{k,1}$	+	1.50 $Q_{k,2}$	+	1.00 $Q_{k,4}$
5	Fund.	0.90 $G_{k,1}$	+	1.50 $Q_{k,2}$		
6	Fund.	1.20 $G_{k,1}$	+	1.50 $Q_{k,2}$		
7	Kar.	1.00 $G_{k,1}$	+	1.00 $Q_{k,2}$	+	1.00 $Q_{k,5}$
8	Kar.	1.00 $G_{k,1}$	+	1.00 $Q_{k,2}$	+	1.00 $Q_{k,6}$

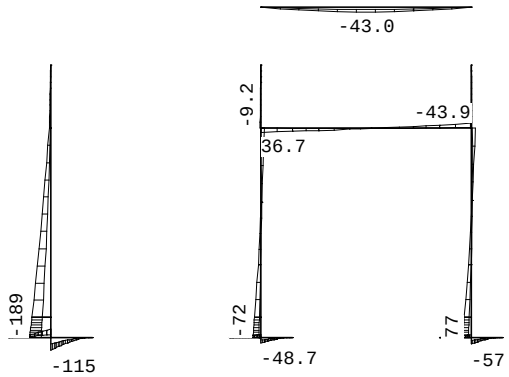
GUNSTIGE WERKING PERMANENTE BELASTINGEN

BC	Staven met gunstige werking
1	Alle staven de factor:0.90
2	Geen
3	Alle staven de factor:0.90
4	Geen
5	Alle staven de factor:0.90
6	Geen

OMHULLENDE VAN DE FUNDAMENTELE COMBINATIES

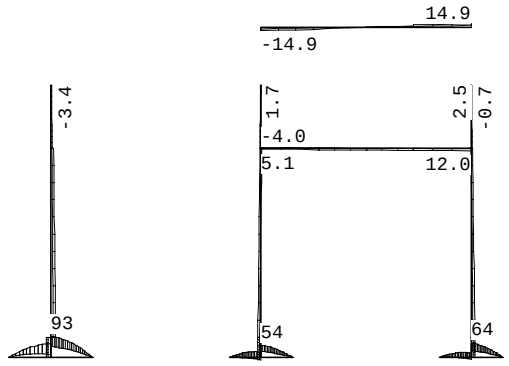
MOMENTEN

Fundamentele combinatie



DWARSKRACHTEN

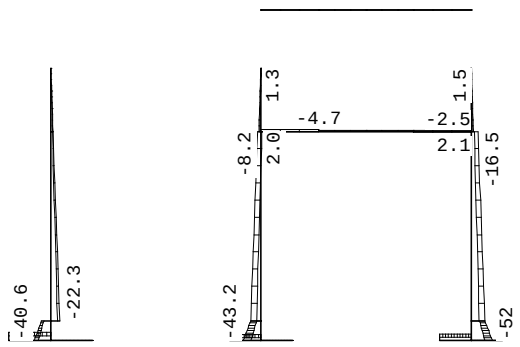
Fundamentele combinatie



Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

NORMAALKRACHTEN

Fundamentele combinatie



TUSSENPUNTEN VERPLAATSINGEN

Fundamentele combinatie

St.	Kn.	Pos.	Z-verpl Min	BC	Max	BC	[kN/m²] Grondspan.
1	1		-2.05	6	2.76	1	10.252
1		0.200	-2.27	6	2.23	1	11.335
1		0.400	-2.48	6	1.69	1	12.420
1		0.600	-2.70	6	1.16	1	13.510
1		0.800	-2.92	6	0.62	1	14.612
1		1.000	-3.15	6	0.07	1	15.732
1		1.200	-3.38	6	-0.49	1	16.881
1		1.400	-3.61	6	-1.08	1	18.067
1		1.600	-3.86	6	-1.68	1	19.300
1		1.800	-4.12	6	-2.32	1	20.592
1	3		-4.39	6	-2.99	1	21.951
2	3		-4.39	6	-2.99	1	21.951
2		0.200	-4.96	2	-3.56	5	24.812
2		0.400	-5.48	2	-3.79	5	27.417
2		0.600	-5.96	2	-4.00	5	29.779
2		0.800	-6.39	2	-4.18	5	31.947
2		1.000	-6.79	2	-4.36	5	33.970
2		1.200	-7.18	2	-4.52	5	35.889
2		1.400	-7.55	2	-4.68	5	37.738
2		1.600	-7.91	2	-4.83	5	39.548
2		1.800	-8.27	2	-4.99	5	41.339
2	2		-8.62	2	-5.14	5	43.124
3	4		1.45	6	3.57	1	
3		0.095	1.29	6	3.20	1	
3		0.190	1.14	6	2.82	1	
3		0.285	0.99	6	2.45	1	
3		0.380	0.84	6	2.09	1	
3		0.475	0.70	6	1.73	1	
3		0.570	0.55	6	1.37	1	
3		0.665	0.41	6	1.02	1	
3		0.760	0.27	6	0.68	1	
3		0.855	0.14	6	0.34	1	
3	3		0.00	5	0.00	1	

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Onderdeel....: Bijlage 2 Uitvoer Technosoft

TUSSENPUNTEN VERPLAATSINGEN

Fundamentele combinatie

St.	Kn.	Pos.	Z-verpl Min	BC	Max	BC	[kN/m²] Grondspan.
4	5		-3.56	4	-0.70	1	17.800
4		0.150	-3.64	4	-0.94	1	18.204
4		0.300	-3.72	4	-1.17	1	18.608
4		0.450	-3.80	4	-1.41	1	19.012
4		0.600	-3.88	4	-1.64	1	19.416
4		0.750	-3.96	4	-1.88	1	19.819
4		0.900	-4.04	4	-2.12	1	20.222
4		1.050	-4.12	4	-2.37	1	20.623
4		1.200	-4.20	4	-2.61	1	21.022
4		1.350	-4.28	4	-2.87	1	21.418
4	6		-4.36	4	-3.13	1	21.809
5	6		-4.36	4	-3.13	1	21.809
5		0.150	-4.51	6	-3.34	3	22.531
5		0.300	-4.73	2	-3.41	3	23.627
5		0.450	-4.96	2	-3.48	3	24.798
5		0.600	-5.19	2	-3.55	3	25.933
5		0.750	-5.41	2	-3.61	3	27.042
5		0.900	-5.63	2	-3.67	3	28.132
5		1.050	-5.84	2	-3.73	3	29.210
5		1.200	-6.06	2	-3.79	3	30.281
5		1.350	-6.27	2	-3.85	3	31.348
5	7		-6.48	2	-3.91	3	32.414
6	11		-3.36	4	-0.80	1	16.783
6		0.150	-3.46	4	-1.05	1	17.299
6		0.300	-3.56	4	-1.30	1	17.814
6		0.450	-3.67	4	-1.56	1	18.330
6		0.600	-3.77	4	-1.81	1	18.846
6		0.750	-3.87	4	-2.07	1	19.363
6		0.900	-3.98	4	-2.33	1	19.880
6		1.050	-4.08	4	-2.59	1	20.398
6		1.200	-4.18	4	-2.85	1	20.915
6		1.350	-4.29	4	-3.12	1	21.432
6	12		-4.51	6	-3.29	3	22.540
7	12		-4.51	6	-3.29	3	22.540
7		0.150	-4.77	2	-3.38	3	23.870
7		0.300	-5.04	2	-3.47	3	25.179
7		0.450	-5.29	2	-3.56	3	26.437
7		0.600	-5.53	2	-3.64	3	27.654
7		0.750	-5.77	2	-3.72	3	28.841
7		0.900	-6.00	2	-3.80	3	30.005
7		1.050	-6.23	2	-3.88	3	31.155
7		1.200	-6.46	2	-3.95	3	32.297
7		1.350	-6.69	2	-4.03	3	33.435
7	13		-6.91	2	-4.10	3	34.572

Project.....: 55xxx - 1334001
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TUSSENPUNTEN VERPLAATSINGEN

Fundamentele combinatie

St.	Kn. Pos.	Z-verpl Min	BC	Max	BC	[kN/m²] Grondspan.
8	12	-0.00	2	-0.00	3	
8	0.095	-0.18	2	-0.06	3	
8	0.190	-0.36	2	-0.13	3	
8	0.285	-0.55	2	-0.19	3	
8	0.380	-0.73	2	-0.26	3	
8	0.475	-0.92	2	-0.33	3	
8	0.570	-1.11	2	-0.39	3	
8	0.665	-1.30	2	-0.46	3	
8	0.760	-1.49	2	-0.53	3	
8	0.855	-1.69	2	-0.60	3	
8	14	-1.89	2	-0.67	3	
9	14	-1.89	2	-0.67	3	
9	0.500	-3.27	2	-1.14	3	
9	1.000	-5.28	2	-1.79	3	
9	1.500	-7.83	2	-2.59	3	
9	2.000	-10.84	2	-3.49	3	
9	2.500	-14.23	2	-4.45	3	
9	3.000	-17.92	2	-5.45	3	
9	3.500	-21.83	2	-6.46	3	
9	4.000	-25.90	2	-7.44	3	
9	4.500	-30.06	2	-8.38	3	
9	5.000	-34.24	2	-9.26	3	
9	5.500	-38.38	2	-10.06	3	
9	6.000	-42.42	2	-10.76	3	
9	6.500	-46.31	2	-11.35	3	
9	7.000	-49.99	2	-11.83	3	
9	7.500	-53.42	2	-12.19	3	
9	8.000	-56.54	2	-12.42	3	
9	8.500	-59.32	2	-12.54	3	
9	15	-61.71	1	-12.53	4	
10	15	-61.71	1	-12.53	4	
10	0.300	-63.09	1	-12.43	4	
10	0.600	-64.49	1	-12.32	4	
10	0.900	-65.91	1	-12.20	4	
10	1.200	-67.35	1	-12.06	4	
10	1.500	-68.80	1	-11.91	4	
10	1.800	-70.26	1	-11.76	4	
10	2.100	-71.73	1	-11.59	4	
10	2.400	-73.20	1	-11.41	4	
10	2.700	-74.67	1	-11.23	4	
10	16	-76.15	1	-11.05	4	

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

TUSSENPUNTEN VERPLAATSINGEN

Fundamentele combinatie

St.	Kn. Pos.	Z-verpl Min	BC	Max	BC	[kN/m²] Grondspan.
11	15	3.32	3	4.57	6	
11	0.500	1.55	1	4.66	4	
11	1.000	0.35	1	5.01	4	
11	1.500	-0.24	1	5.43	4	
11	2.000	-0.32	1	5.88	4	
11	2.500	0.03	1	6.34	4	
11	3.000	0.72	1	6.78	4	
11	3.500	1.66	1	7.18	4	
11	4.000	2.78	1	7.50	4	
11	4.500	4.00	1	7.75	4	
11	5.000	5.25	1	8.45	6	
11	5.500	5.86	3	9.26	6	
11	6.000	5.85	3	9.90	6	
11	6.500	5.77	3	10.34	2	
11	7.000	5.60	3	10.84	2	
11	7.500	5.36	3	10.97	2	
11	8.000	5.04	3	10.68	2	
11	8.500	4.66	3	9.92	2	
11	9.000	4.24	3	8.62	2	
11	9.500	3.77	3	6.75	2	
11	9	3.14	1	4.40	4	
12	10	15.22	3	79.74	2	
12	0.300	14.97	3	77.89	2	
12	0.600	14.71	3	76.04	2	
12	0.900	14.46	3	74.20	2	
12	1.200	14.20	3	72.36	2	
12	1.500	13.94	3	70.54	2	
12	1.800	13.67	3	68.73	2	
12	2.100	13.39	3	66.94	2	
12	2.400	13.11	3	65.17	2	
12	2.700	12.82	3	63.42	2	
12	9	12.54	3	61.71	2	
13	8	0.52	4	1.76	1	
13	0.095	0.47	4	1.58	1	
13	0.190	0.41	4	1.40	1	
13	0.285	0.36	4	1.22	1	
13	0.380	0.31	4	1.04	1	
13	0.475	0.25	4	0.86	1	
13	0.570	0.20	4	0.68	1	
13	0.665	0.15	4	0.51	1	
13	0.760	0.10	4	0.34	1	
13	0.855	0.05	4	0.17	1	
13	6	0.00	4	0.00	1	

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

TUSSENPUNTEN VERPLAATSINGEN

Fundamentele combinatie

St.	Kn.	Pos.	Z-verpl Min	BC	Max	BC	[kN/m²] Grondspan.
14	9		12.54	3	61.71	2	
14		0.500	11.97	4	58.84	1	
14		1.000	11.40	4	55.67	1	
14		1.500	10.82	4	52.26	1	
14		2.000	10.21	4	48.62	1	
14		2.500	9.58	4	44.81	1	
14		3.000	8.91	4	40.85	1	
14		3.500	8.21	4	36.81	1	
14		4.000	7.47	4	32.71	1	
14		4.500	6.69	4	28.62	1	
14		5.000	5.90	4	24.59	1	
14		5.500	5.09	4	20.67	1	
14		6.000	4.28	4	16.92	1	
14		6.500	3.48	4	13.40	1	
14		7.000	2.72	4	10.19	1	
14		7.500	2.02	4	7.35	1	
14		8.000	1.40	4	4.95	1	
14		8.500	0.89	4	3.06	1	
14	8		0.52	4	1.76	1	
15	4		-3.57	1	-1.45	5	
15		0.500	-5.70	1	-2.31	5	
15		1.000	-8.04	1	-3.28	5	
15		1.500	-10.58	1	-4.33	5	
15		2.000	-13.31	1	-5.46	5	
15		2.500	-16.23	1	-6.67	5	
15		3.000	-19.30	1	-7.95	5	
15		3.500	-22.53	1	-9.28	5	
15		4.000	-25.90	1	-10.67	5	
15		4.500	-29.39	1	-12.11	5	
15		5.000	-33.00	1	-13.60	5	
15		5.500	-36.71	1	-15.12	5	
15		6.000	-40.52	1	-16.68	5	
15		6.500	-44.40	1	-18.26	5	
15		7.000	-48.35	1	-19.87	5	
15		7.500	-52.37	1	-21.50	5	
15		8.000	-56.43	1	-23.14	5	
15		8.500	-60.53	1	-24.80	5	
15	17		-64.65	1	-26.46	5	
16	17		-64.65	1	-26.46	5	
16		0.300	-67.14	1	-27.46	5	
16		0.600	-69.63	1	-28.46	5	
16		0.900	-72.13	1	-29.46	5	
16		1.200	-74.63	1	-30.47	5	
16		1.500	-77.14	1	-31.47	5	
16		1.800	-79.64	1	-32.48	5	
16		2.100	-82.16	1	-33.48	5	
16		2.400	-84.67	1	-34.49	5	
16		2.700	-87.18	1	-35.49	5	
16	18		-89.69	1	-36.49	5	

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

TUSSENPUNTEN VERPLAATSINGEN

Fundamentele combinatie

St.	Kn.	Pos.	Z-verpl Min	BC	Max	BC	[kN/m²] Grondspan.
17	19		0.00	2	0.00	5	
17		0.500	-1.80	2	-0.84	5	
17		1.000	-3.55	2	-1.65	5	
17		1.500	-5.21	2	-2.41	5	
17		2.000	-6.74	2	-3.12	5	
17		2.500	-8.10	2	-3.74	5	
17		3.000	-9.25	2	-4.27	5	
17		3.500	-10.17	2	-4.69	5	
17		4.000	-10.85	2	-5.00	5	
17		4.500	-11.26	2	-5.18	5	
17		5.000	-11.39	2	-5.25	5	
17		5.500	-11.25	2	-5.18	5	
17		6.000	-10.84	2	-5.00	5	
17		6.500	-10.17	2	-4.69	5	
17		7.000	-9.25	2	-4.27	5	
17		7.500	-8.09	2	-3.74	5	
17		8.000	-6.74	2	-3.12	5	
17		8.500	-5.21	2	-2.41	5	
17		9.000	-3.55	2	-1.65	5	
17		9.500	-1.80	2	-0.84	5	
17	20		0.00	2	-0.00	5	

REACTIES

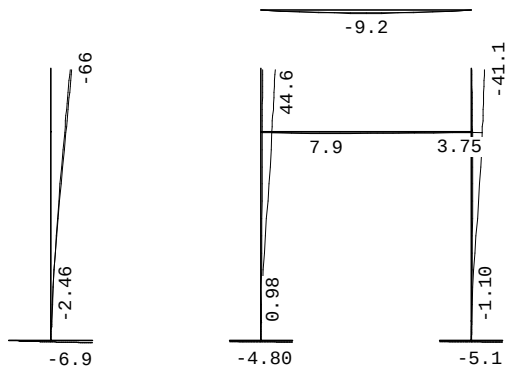
Fundamentele combinatie

Kn.	X-min	X-max	Z-min	Z-max	M-min	M-max
1	-20.70	-11.40				
5	-14.29	-6.25				
11	-15.77	-7.99				
19	0.00	0.00	7.72	14.92		
20	0.00	0.00	7.72	14.88		

OMHULLENDE VAN DE KARAKTERISTIEKE COMBINATIES

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

VERPLAATSINGEN [mm] Karakteristieke combinatie



REACTIES Karakteristieke combinatie

Kn.	X-min	X-max	Z-min	Z-max	M-min	M-max
1	-15.70	-14.70				
5	-8.12	-3.27				
11	-9.58	-4.93				
19	0.00	0.00	11.29	11.94		
20	0.00	0.00	11.24	11.89		

STAALPROFIELEN - ALGEMENE GEGEVENS

Stabiliteit: Classificatie gehele constructie: Ongeschoord
Belastinggeval m.b.t. bepaling kniklengte: 7=Knik
Aanpassing inkl. parameter C : Steunpunten
Tweede-orde-effect:
Aan te houden verhouding n/(n-1)
voor steunmomenten en verplaatsingen: 1.10
Doorbuiging en verplaatsing:
Aantal bouwlagen: 1
Gebouwtype: Overig
Toel. horiz. verplaatsing gehele gebouw: h/300
Kleinste gevelhoogte [m]: 0.0

MATERIAAL

Mat nr.	Profielnaam	Vloeisp. [N/mm^2]	Productie methode	Min. drsn. klasse
3	HEA500Z	355	Gewalst	1
4	HEA300Z	355	Gewalst	1
5	HEA500	355	Gewalst	1
6	HEA300	355	Gewalst	1

Partiële veiligheidsfactoren:
Gamma M;0 : 1.00 Gamma M;1 : 1.00

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Onderdeel....: Bijlage 2 Uitvoer Technosoft

KNIKSTABILITEIT

Staaf	l_{sys} [m]	Classif. y sterke as	$l_{knik;y}$ [m]	Extra aanp. y [kN]	Classif. z zwakke as	$l_{knik;z}$ [m]	Extra aanp. z [kN]
9	9.000	Ongeschoord	18.000*	0.0	Ongeschoord	24.000*	0.0
10	3.000	Ongeschoord	3.000	0.0	Ongeschoord	24.000*	0.0
11	10.000	Ongeschoord	10.000	0.0	Ongeschoord	10.000*	0.0
12	3.000	Ongeschoord	3.000	0.0	Ongeschoord	24.000*	0.0
14	9.000	Ongeschoord	18.000*	0.0	Ongeschoord	24.000*	0.0
15-16	12.000	Ongeschoord	48.000*	0.0	Ongeschoord	12.000	0.0
17	10.000	Geschoord	10.000	0.0	Ongeschoord	10.000	0.0

* Door gebruiker gedefinieerde kniklengte

KIPSTABILITEIT

Staaf	Plts. aangr.		l gaffel [m]	Kipsteunafstanden [m]
9	0.0*h	boven:	9.00	9.000
		onder:	9.00	9.000
10	1.0*h	boven:	3.00	3.000
		onder:	3.00	3.000
11	0.0*h	boven:	10.00	10.000
		onder:	10.00	10.000
12	1.0*h	boven:	3.00	3.000
		onder:	3.00	3.000
14	0.0*h	boven:	9.00	9.000
		onder:	9.00	9.000
15-16	1.0*h	boven:	12.00	12.000
		onder:	12.00	12.000
17	1.0*h	boven:	10.00	10.000
		onder:	10.00	10.000

TOETSING SPANNINGEN

Staaf nr.	Mat	BC	Sit	Kl	Plaats	Norm	Artikel	Formule	Hoogste U.C.	toetsing [N/mm^2]	Opm.
9	3	2	1	1	Staaf	EN3-1-1	6.3.3	(6.62)	0.264	94	47
10	3	2	1	1	Staaf	EN3-1-1	6.3.3	(6.62)	0.028	10	47
11	4	2	1	3	Begin	EN3-1-1	6.2.8	(6.29)	0.323	115	47
12	3	2	1	1	Staaf	EN3-1-1	6.3.3	(6.62)	0.035	13	47
14	3	2	1	1	Staaf	EN3-1-1	6.3.3	(6.62)	0.199	71	47
15-16	5	2	1	1	Staaf	EN3-1-1	6.3.3	(6.61)	0.142	50	46,47
17	6	2	1	3	My-max	EN3-1-1	6.2.8	(6.30)	0.106	38	

Opmerkingen:
[46] T.b.v. kip is een equivalente Q-last berekend.
[47] Bij verlopende normaalkracht wordt de grootste drukkracht genomen.

TOETSING DOORBUIGING

Staaf	Soort	Mtg	Lengte [m]	Overst I	Overst J	Zeeg [mm]	u_{tot} [mm]	BC	Sit	u [mm]	Toelaatbaar [mm]	Toelaatbaar *l
11	Vloer	db	10.00	N	N	0.0	-4.6	7	1 Eind	-4.6	±40.0	0.004
17	Dak	db	10.00	N	N	0.0	-10.1	7	1 Eind	-10.1	-40.0	0.004

TOETSING HORIZONTALE VERPLAATSING

Staaf	BC	Sit	Lengte [m]	u_{eind} [mm]	Toelaatbaar [mm]	Toelaatbaar [h/]
9	7	1	9.000	*-36.5*	30.0	300
10	7	1	3.000	-7.5	10.0	300

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

TOETSING HORIZONTALE VERPLAATSING

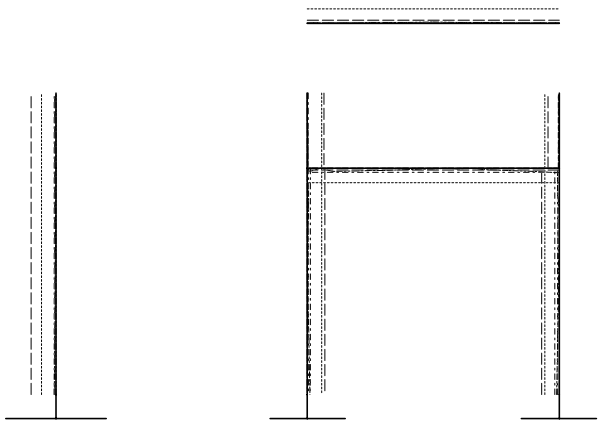
Staaf	BC	Sit	Lengte [m]	u_{eind} [mm]	Toelaatbaar [mm]	[h/]
12	7	1	3.000	*-11.4*	10.0	300
14	7	1	9.000	*-36.6*	30.0	300
15-16	7	1	12.000	*-69.7*	40.0	300

TOETSING HOR. VERPLAATSING GLOBAAL

Er is een maximale horizontale verplaatsing van 0.0725 [m] gevonden
bij knoop 18 en combinatie 7; belastingsituatie 1 (combinatietype 2).
Bij een hoogte van 12.950 [m] levert dit h / *179* (toel.: h / 300).

UNITY-CHECK'S

OMHULLENDE VAN ALLES

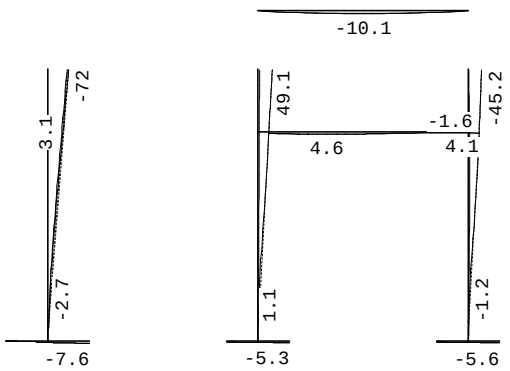


Toelaatbare unity-check (1.0)
Hoogste unity-check i.v.m. knikstabiliteit
Unity-check i.v.m. kipstabiliteit
Unity-check i.v.m. kip- en knikstabiliteit
Hoogste unity-check i.v.m. doorsnedecontrole
Hoogste unity-check i.v.m. doorbuiging
Unity-check te hoog (> 1.0)

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

VERVORMINGEN Wmax

Karakteristieke combinatie



DOORBUIGINGEN

Karakteristieke combinatie

Nr.	staven	Zijde	positie [m]	l_{rep} [mm]	w_1 [mm]	w_2 [mm]	|-- w_{bij} --| [mm]	[lrep/]	w_{tot} [mm]	w_c [mm]	|-- w_{max} --| [mm]	[lrep/]
3	11	Neg.	1.375	10000			-1.6	6428	-1.6		-1.6	6428
3	11	Pos.	7.250	10000			4.6	2154	4.6		4.6	2154
7	17	Neg.	5.000	10000			-10.1	989	-10.1		-10.1	989
8	1	Neg.	/	4000			-4.1	973	-4.1		-4.1	973
9	2	Neg.	/	4000			-3.6	1113	-3.6		-3.6	1113
11	4	Neg.	/	3000			-1.5	1962	-1.5		-1.5	1962
12	5	Neg.	/	3000			-1.4	2205	-1.4		-1.4	2205
13	6	Neg.	/	3000			-1.7	1731	-1.7		-1.7	1731
14	7	Neg.	/	3000			-1.5	1971	-1.5		-1.5	1971

De waarden voor w1 zijn niet berekend, omdat een blijvende combinatie ontbreekt
De waarden voor w2 zijn niet berekend, omdat een quasi-blijvende combinatie ontbreekt

HORIZONTALE VERPLAATSING

Karakteristieke combinatie

Nr.	staven	Zijde	h [mm]	u_1 [mm]	u_2 [mm]	u_3 [mm]	|-- u_{tot} --| [mm]	[h/]
1	9	Neg.	9000			-36.5	-36.5	247
2	10	Neg.	3000			-7.5	-7.5	399
2	10	Pos.	3000			3.1	3.1	978
4	12	Neg.	3000			-11.4	-11.4	264
5	14	Neg.	9000			-36.6	-36.6	246
6	15-16	Neg.	12000			-69.7	-69.7	172
10	3	Neg.	950			-2.7	-2.7	351
15	8	Neg.	950			-1.2	-1.2	786
16	13	Neg.	950			-1.1	-1.1	885

De waarden voor w1 zijn niet berekend, omdat een blijvende combinatie ontbreekt

Project.....: 55xxx - 1334001
Onderdeel....: Bijlage 2 Uitvoer Technosoft

TOTALE HORIZONTALE VERPLAATSING

Karakteristieke combinatie

knoop	Zijde	h [mm]	u_1 [mm]	u_2 [mm]	u_3 [mm]	|-- u_{tot} --| [mm]	[h/]
18	Pos.	12950			72.5	72.5	179

De waarden voor w1 zijn niet berekend, omdat een blijvende combinatie ontbreekt

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-1a-1	1	1	-287	564	710
ULS-1a-1	1	2	-361	387	757
ULS-1a-1	2	1	-194	499	1039
ULS-1a-1	2	2	-326	515	995
ULS-1a-1	2	3	-223	443	1040
ULS-1a-2	1	1	-181	389	517
ULS-1a-2	1	2	-178	195	451
ULS-1a-2	2	1	-67	257	631
ULS-1a-2	2	2	-154	273	620
ULS-1a-2	2	3	-83	217	616
ULS-1a-3	1	1	-259	518	658
ULS-1a-3	1	2	-366	393	766
ULS-1a-3	2	1	-197	505	1048
ULS-1a-3	2	2	-327	516	997
ULS-1a-3	2	3	-230	454	1062
ULS-1a-4	1	1	-122	285	411
ULS-1a-4	1	2	-240	264	554
ULS-1a-4	2	1	-108	339	762
ULS-1a-4	2	2	-198	341	717
ULS-1a-4	2	3	-140	313	788
ULS-1a-5	1	1	-89	221	352
ULS-1a-5	1	2	-194	214	478
ULS-1a-5	2	1	-76	276	658
ULS-1a-5	2	2	-155	276	622
ULS-1a-5	2	3	-105	256	682
ULS-1a-6	1	1	-48	90	294
ULS-1a-6	1	2	-89	39	306
ULS-1a-6	2	1	-3	56	430
ULS-1a-6	2	2	-62	61	430
ULS-1a-6	2	3	-21	47	431
ULS-3-1	1	1	-1130	1484	3426
ULS-3-1	1	2	-1473	737	3446
ULS-3-1	2	1	-629	840	3958
ULS-3-1	2	2	-1120	894	3821
ULS-3-1	2	3	-743	705	3934
ULS-3-2	1	1	-734	1092	2620
ULS-3-2	1	2	-804	419	2284
ULS-3-2	2	1	-211	479	2563
ULS-3-2	2	2	-557	526	2537
ULS-3-2	2	3	-285	384	2507
ULS-3-3	1	1	-1023	1380	3208
ULS-3-3	1	2	-1495	747	3484
ULS-3-3	2	1	-640	849	3993
ULS-3-3	2	2	-1123	896	3827

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-3-3	2	3	-767	721	4011
ULS-3-4	1	1	-522	871	2188
ULS-3-4	1	2	-1024	530	2666
ULS-3-4	2	1	-342	598	3001
ULS-3-4	2	2	-701	626	2865
ULS-3-4	2	3	-466	518	3072
ULS-3-5	1	1	-413	747	1969
ULS-3-5	1	2	-861	449	2383
ULS-3-5	2	1	-240	506	2657
ULS-3-5	2	2	-562	530	2548
ULS-3-5	2	3	-355	438	2725
ULS-3-6	1	1	-284	532	1726
ULS-3-6	1	2	-522	195	1797
ULS-3-6	2	1	-18	218	1918
ULS-3-6	2	2	-280	248	1911
ULS-3-6	2	3	-98	171	1922
ULS-4-1	1	1	-299	320	812
ULS-4-1	1	2	-375	145	806
ULS-4-1	2	1	-204	197	1104
ULS-4-1	2	2	-339	212	1064
ULS-4-1	2	3	-233	162	1095
ULS-4-2	1	1	-190	227	587
ULS-4-2	1	2	-185	79	476
ULS-4-2	2	1	-73	110	666
ULS-4-2	2	2	-162	122	659
ULS-4-2	2	3	-90	87	647
ULS-4-3	1	1	-270	295	752
ULS-4-3	1	2	-380	147	815
ULS-4-3	2	1	-207	199	1114
ULS-4-3	2	2	-340	212	1067
ULS-4-3	2	3	-241	166	1119
ULS-4-4	1	1	-128	173	459
ULS-4-4	1	2	-250	102	589
ULS-4-4	2	1	-115	139	808
ULS-4-4	2	2	-209	146	766
ULS-4-4	2	3	-147	118	828
ULS-4-5	1	1	-95	143	390
ULS-4-5	1	2	-203	85	506
ULS-4-5	2	1	-83	117	698
ULS-4-5	2	2	-164	123	663
ULS-4-5	2	3	-112	99	719
ULS-4-6	1	1	-51	93	302
ULS-4-6	1	2	-94	34	316
ULS-4-6	2	1	-7	50	444

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-4-6	2	2	-68	57	443
ULS-4-6	2	3	-26	39	447
ULS-5a-1	1	1	-39	75	244
ULS-5a-1	1	2	-73	26	254
ULS-5a-1	2	1	-3	39	360
ULS-5a-1	2	2	-52	45	359
ULS-5a-1	2	3	-18	30	360
ULS-5a-2	1	1	-39	75	244
ULS-5a-2	1	2	-73	26	254
ULS-5a-2	2	1	-3	39	360
ULS-5a-2	2	2	-52	45	359
ULS-5a-2	2	3	-18	30	360
ULS-5a-3	1	1	-39	75	244
ULS-5a-3	1	2	-73	26	254
ULS-5a-3	2	1	-3	39	360
ULS-5a-3	2	2	-52	45	359
ULS-5a-3	2	3	-18	30	360
ULS-5a-4	1	1	-39	75	244
ULS-5a-4	1	2	-73	26	254
ULS-5a-4	2	1	-3	39	360
ULS-5a-4	2	2	-52	45	359
ULS-5a-4	2	3	-18	30	360
ULS-5a-5	1	1	-39	75	244
ULS-5a-5	1	2	-73	26	254
ULS-5a-5	2	1	-3	39	360
ULS-5a-5	2	2	-52	45	359
ULS-5a-5	2	3	-18	30	360
ULS-5a-6	1	1	-39	75	244
ULS-5a-6	1	2	-73	26	254
ULS-5a-6	2	1	-3	39	360
ULS-5a-6	2	2	-52	45	359
ULS-5a-6	2	3	-18	30	360
ULS-5a-7	1	2	-73	26	254
ULS-5a-7	2	1	-3	39	360
ULS-5a-7	2	2	-52	45	359
ULS-5a-7	2	3	-18	30	360
ULS-5a-8	1	1	-39	75	244
ULS-5a-8	2	1	-3	39	360
ULS-5a-8	2	2	-52	45	359
ULS-5a-8	2	3	-18	30	360
ULS-5a-9	1	1	-39	75	244
ULS-5a-9	1	2	-73	26	254
ULS-5a-9	2	1	-3	39	360
ULS-5a-9	2	2	-52	45	359

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-9	2	3	-18	30	360
ULS-5a-10	1	1	-39	75	244
ULS-5a-10	1	2	-73	26	254
ULS-5a-10	2	1	-3	39	360
ULS-5a-10	2	2	-52	45	359
ULS-5a-10	2	3	-18	30	360
ULS-5a-11	1	1	-39	75	244
ULS-5a-11	1	2	-73	26	254
ULS-5a-11	2	1	-3	39	360
ULS-5a-11	2	2	-52	45	359
ULS-5a-11	2	3	-18	30	360
ULS-5a-12	1	1	-39	75	244
ULS-5a-12	1	2	-73	26	254
ULS-5a-12	2	1	-3	39	360
ULS-5a-12	2	2	-52	45	359
ULS-5a-12	2	3	-18	30	360
ULS-5a-13	1	1	-39	75	244
ULS-5a-13	1	2	-73	26	254
ULS-5a-13	2	1	-3	39	360
ULS-5a-13	2	2	-52	45	359
ULS-5a-13	2	3	-18	30	360
ULS-5a-14	1	1	-39	75	244
ULS-5a-14	1	2	-73	26	254
ULS-5a-14	2	1	-3	39	360
ULS-5a-14	2	2	-52	45	359
ULS-5a-14	2	3	-18	30	360
ULS-5a-15	1	1	-39	75	244
ULS-5a-15	1	2	-73	26	254
ULS-5a-15	2	1	-3	39	360
ULS-5a-15	2	2	-52	45	359
ULS-5a-15	2	3	-18	30	360
ULS-5a-16	1	1	-39	75	244
ULS-5a-16	1	2	-73	26	254
ULS-5a-16	2	1	-3	39	360
ULS-5a-16	2	2	-52	45	359
ULS-5a-16	2	3	-18	30	360
ULS-5a-17	1	1	-39	75	244
ULS-5a-17	1	2	-73	26	254
ULS-5a-17	2	1	-3	39	360
ULS-5a-17	2	2	-52	45	359
ULS-5a-17	2	3	-18	30	360
ULS-5a-18	1	1	-39	75	244
ULS-5a-18	1	2	-73	26	254
ULS-5a-18	2	1	-3	39	360

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-18	2	2	-52	45	359
ULS-5a-18	2	3	-18	30	360
ULS-5b-2	1	1	-39	75	244
ULS-5b-2	1	2	-73	26	254
ULS-5b-2	2	1	-3	39	360
ULS-5b-2	2	2	-52	45	359
ULS-5b-2	2	3	-18	30	360
ULS-6a-1	1	1	-355	386	1029
ULS-6a-1	1	2	-457	167	1026
ULS-6a-1	2	1	-234	230	1415
ULS-6a-1	2	2	-410	250	1371
ULS-6a-1	2	3	-273	187	1405
ULS-6a-2	1	1	-240	289	790
ULS-6a-2	1	2	-264	101	689
ULS-6a-2	2	1	-101	143	971
ULS-6a-2	2	2	-231	160	962
ULS-6a-2	2	3	-129	112	952
ULS-6a-3	1	1	-324	360	963
ULS-6a-3	1	2	-463	169	1037
ULS-6a-3	2	1	-237	233	1427
ULS-6a-3	2	2	-411	250	1374
ULS-6a-3	2	3	-282	191	1431
ULS-6a-4	1	1	-180	237	665
ULS-6a-4	1	2	-327	123	799
ULS-6a-4	2	1	-141	171	1106
ULS-6a-4	2	2	-275	183	1062
ULS-6a-4	2	3	-185	143	1127
ULS-6a-5	1	1	-149	208	602
ULS-6a-5	1	2	-280	107	718
ULS-6a-5	2	1	-109	149	998
ULS-6a-5	2	2	-233	161	965
ULS-6a-5	2	3	-150	124	1019
ULS-6a-6	1	1	-113	163	529
ULS-6a-6	1	2	-186	59	553
ULS-6a-6	2	1	-43	86	776
ULS-6a-6	2	2	-149	99	775
ULS-6a-6	2	3	-74	67	780
ULS-6b-1	1	1	845	386	1029
ULS-6b-1	1	2	743	167	1026
ULS-6b-1	2	1	966	230	1415
ULS-6b-1	2	2	790	250	1371
ULS-6b-1	2	3	927	187	1405
ULS-6b-2	1	1	960	289	790
ULS-6b-2	1	2	936	101	689

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-6b-2	2	1	1099	143	971
ULS-6b-2	2	2	969	160	962
ULS-6b-2	2	3	1071	112	952
ULS-6b-3	1	1	876	360	963
ULS-6b-3	1	2	737	169	1037
ULS-6b-3	2	1	963	233	1427
ULS-6b-3	2	2	789	250	1374
ULS-6b-3	2	3	918	191	1431
ULS-6b-4	1	1	1020	237	665
ULS-6b-4	1	2	873	123	799
ULS-6b-4	2	1	1059	171	1106
ULS-6b-4	2	2	925	183	1062
ULS-6b-4	2	3	1015	143	1127
ULS-6b-5	1	1	1051	208	602
ULS-6b-5	1	2	920	107	718
ULS-6b-5	2	1	1091	149	998
ULS-6b-5	2	2	967	161	965
ULS-6b-5	2	3	1050	124	1019
ULS-6b-6	1	1	1087	163	529
ULS-6b-6	1	2	1014	59	553
ULS-6b-6	2	1	1157	86	776
ULS-6b-6	2	2	1051	99	775
ULS-6b-6	2	3	1126	67	780
ULS-7-1	1	1	-53	102	329
ULS-7-1	1	2	-98	35	343
ULS-7-1	2	1	-4	53	485
ULS-7-1	2	2	-70	61	484
ULS-7-1	2	3	-24	40	487
ULS-8-1	1	1	-96	113	366
ULS-8-1	1	2	-145	39	381
ULS-8-1	2	1	-56	59	539
ULS-8-1	2	2	-129	68	538
ULS-8-1	2	3	-75	45	541
SpLS-1a-1	1	2	-361	240	772
SpLS-1a-1	2	1	-194	316	1059
SpLS-1a-1	2	2	-326	331	1018
SpLS-1a-1	2	3	-223	273	1054
SpLS-1a-2	1	2	-178	125	458
SpLS-1a-2	2	1	-67	168	640
SpLS-1a-2	2	2	-154	181	632
SpLS-1a-2	2	3	-83	138	623
SpLS-1a-3	1	2	-366	244	781
SpLS-1a-3	2	1	-197	320	1069
SpLS-1a-3	2	2	-327	331	1021

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-1a-3	2	3	-230	280	1077
SpLS-1a-4	1	2	-240	166	564
SpLS-1a-4	2	1	-108	218	775
SpLS-1a-4	2	2	-198	222	732
SpLS-1a-4	2	3	-140	195	797
SpLS-1a-5	1	2	-194	136	486
SpLS-1a-5	2	1	-76	179	669
SpLS-1a-5	2	2	-155	182	634
SpLS-1a-5	2	3	-105	161	690
SpLS-1a-6	1	2	-89	36	306
SpLS-1a-6	2	1	-3	52	431
SpLS-1a-6	2	2	-62	58	430
SpLS-1a-6	2	3	-21	42	432
SpLS-3-1	1	2	-1473	662	3454
SpLS-3-1	2	1	-629	759	3967
SpLS-3-1	2	2	-1120	812	3831
SpLS-3-1	2	3	-743	630	3941
SpLS-3-2	1	2	-804	383	2287
SpLS-3-2	2	1	-211	439	2567
SpLS-3-2	2	2	-557	486	2542
SpLS-3-2	2	3	-285	349	2509
SpLS-3-3	1	2	-1495	670	3492
SpLS-3-3	2	1	-640	767	4002
SpLS-3-3	2	2	-1123	814	3838
SpLS-3-3	2	3	-767	644	4017
SpLS-3-4	1	2	-1024	480	2671
SpLS-3-4	2	1	-342	545	3007
SpLS-3-4	2	2	-701	574	2872
SpLS-3-4	2	3	-466	465	3077
SpLS-3-5	1	2	-861	409	2387
SpLS-3-5	2	1	-240	463	2662
SpLS-3-5	2	2	-562	489	2553
SpLS-3-5	2	3	-355	396	2728
SpLS-3-6	1	2	-522	193	1797
SpLS-3-6	2	1	-18	216	1918
SpLS-3-6	2	2	-280	247	1912
SpLS-3-6	2	3	-98	169	1923
SpLS-4-1	1	2	-375	133	807
SpLS-4-1	2	1	-204	182	1106
SpLS-4-1	2	2	-339	196	1066
SpLS-4-1	2	3	-233	148	1096
SpLS-4-2	1	2	-185	73	476
SpLS-4-2	2	1	-73	103	667
SpLS-4-2	2	2	-162	114	660

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-4-2	2	3	-90	80	648
SpLS-4-3	1	2	-380	134	817
SpLS-4-3	2	1	-207	184	1116
SpLS-4-3	2	2	-340	197	1069
SpLS-4-3	2	3	-241	151	1120
SpLS-4-4	1	2	-250	94	590
SpLS-4-4	2	1	-115	129	809
SpLS-4-4	2	2	-209	137	767
SpLS-4-4	2	3	-147	108	829
SpLS-4-5	1	2	-203	79	507
SpLS-4-5	2	1	-83	109	699
SpLS-4-5	2	2	-164	115	664
SpLS-4-5	2	3	-112	92	719
SpLS-4-6	1	2	-94	34	316
SpLS-4-6	2	1	-7	50	444
SpLS-4-6	2	2	-68	57	443
SpLS-4-6	2	3	-26	39	447
SpLS-6a-1	1	2	-457	155	1027
SpLS-6a-1	2	1	-234	215	1416
SpLS-6a-1	2	2	-410	235	1373
SpLS-6a-1	2	3	-273	173	1406
SpLS-6a-2	1	2	-264	95	689
SpLS-6a-2	2	1	-101	136	972
SpLS-6a-2	2	2	-231	152	963
SpLS-6a-2	2	3	-129	105	953
SpLS-6a-3	1	2	-463	157	1038
SpLS-6a-3	2	1	-237	217	1429
SpLS-6a-3	2	2	-411	235	1376
SpLS-6a-3	2	3	-282	177	1432
SpLS-6a-4	1	2	-327	115	800
SpLS-6a-4	2	1	-141	161	1107
SpLS-6a-4	2	2	-275	174	1063
SpLS-6a-4	2	3	-185	133	1128
SpLS-6a-5	1	2	-280	100	718
SpLS-6a-5	2	1	-109	141	998
SpLS-6a-5	2	2	-233	153	966
SpLS-6a-5	2	3	-150	116	1020
SpLS-6a-6	1	2	-186	58	553
SpLS-6a-6	2	1	-43	86	777
SpLS-6a-6	2	2	-149	99	775
SpLS-6a-6	2	3	-74	66	780
SpLS-6b-1	1	2	743	155	1027
SpLS-6b-1	2	1	966	215	1416
SpLS-6b-1	2	2	790	235	1373

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-6b-1	2	3	927	173	1406
SpLS-6b-2	1	2	936	95	689
SpLS-6b-2	2	1	1099	136	972
SpLS-6b-2	2	2	969	152	963
SpLS-6b-2	2	3	1071	105	953
SpLS-6b-3	1	2	737	157	1038
SpLS-6b-3	2	1	963	217	1429
SpLS-6b-3	2	2	789	235	1376
SpLS-6b-3	2	3	918	177	1432
SpLS-6b-4	1	2	873	115	800
SpLS-6b-4	2	1	1059	161	1107
SpLS-6b-4	2	2	925	174	1063
SpLS-6b-4	2	3	1015	133	1128
SpLS-6b-5	1	2	920	100	718
SpLS-6b-5	2	1	1091	141	998
SpLS-6b-5	2	2	967	153	966
SpLS-6b-5	2	3	1050	116	1020
SpLS-6b-6	1	2	1014	58	553
SpLS-6b-6	2	1	1157	86	777
SpLS-6b-6	2	2	1051	99	775
SpLS-6b-6	2	3	1126	66	780
1SpLS-1a-1	1	1	-287	413	757
1SpLS-1a-1	2	1	-194	316	1059
1SpLS-1a-1	2	2	-326	331	1018
1SpLS-1a-1	2	3	-223	273	1054
1SpLS-1a-2	1	1	-181	288	548
1SpLS-1a-2	2	1	-67	168	640
1SpLS-1a-2	2	2	-154	181	632
1SpLS-1a-2	2	3	-83	138	623
1SpLS-1a-3	1	1	-259	380	701
1SpLS-1a-3	2	1	-197	320	1069
1SpLS-1a-3	2	2	-327	331	1021
1SpLS-1a-3	2	3	-230	280	1077
1SpLS-1a-4	1	1	-122	215	432
1SpLS-1a-4	2	1	-108	218	775
1SpLS-1a-4	2	2	-198	222	732
1SpLS-1a-4	2	3	-140	195	797
1SpLS-1a-5	1	1	-89	172	367
1SpLS-1a-5	2	1	-76	179	669
1SpLS-1a-5	2	2	-155	182	634
1SpLS-1a-5	2	3	-105	161	690
1SpLS-1a-6	1	1	-48	90	294
1SpLS-1a-6	2	1	-3	52	431
1SpLS-1a-6	2	2	-62	58	430

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-1a-6	2	3	-21	42	432
1SpLS-3-1	1	1	-1130	1406	3450
1SpLS-3-1	2	1	-629	759	3967
1SpLS-3-1	2	2	-1120	812	3831
1SpLS-3-1	2	3	-743	630	3941
1SpLS-3-2	1	1	-734	1040	2636
1SpLS-3-2	2	1	-211	439	2567
1SpLS-3-2	2	2	-557	486	2542
1SpLS-3-2	2	3	-285	349	2509
1SpLS-3-3	1	1	-1023	1309	3230
1SpLS-3-3	2	1	-640	767	4002
1SpLS-3-3	2	2	-1123	814	3838
1SpLS-3-3	2	3	-767	644	4017
1SpLS-3-4	1	1	-522	835	2199
1SpLS-3-4	2	1	-342	545	3007
1SpLS-3-4	2	2	-701	574	2872
1SpLS-3-4	2	3	-466	465	3077
1SpLS-3-5	1	1	-413	722	1977
1SpLS-3-5	2	1	-240	463	2662
1SpLS-3-5	2	2	-562	489	2553
1SpLS-3-5	2	3	-355	396	2728
1SpLS-3-6	1	1	-284	532	1726
1SpLS-3-6	2	1	-18	216	1918
1SpLS-3-6	2	2	-280	247	1912
1SpLS-3-6	2	3	-98	169	1923
1SpLS-4-1	1	1	-299	307	816
1SpLS-4-1	2	1	-204	182	1106
1SpLS-4-1	2	2	-339	196	1066
1SpLS-4-1	2	3	-233	148	1096
1SpLS-4-2	1	1	-190	219	590
1SpLS-4-2	2	1	-73	103	667
1SpLS-4-2	2	2	-162	114	660
1SpLS-4-2	2	3	-90	80	648
1SpLS-4-3	1	1	-270	283	755
1SpLS-4-3	2	1	-207	184	1116
1SpLS-4-3	2	2	-340	197	1069
1SpLS-4-3	2	3	-241	151	1120
1SpLS-4-4	1	1	-128	167	461
1SpLS-4-4	2	1	-115	129	809
1SpLS-4-4	2	2	-209	137	767
1SpLS-4-4	2	3	-147	108	829
1SpLS-4-5	1	1	-95	139	392
1SpLS-4-5	2	1	-83	109	699
1SpLS-4-5	2	2	-164	115	664

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-4-5	2	3	-112	92	719
1SpLS-4-6	1	1	-51	93	302
1SpLS-4-6	2	1	-7	50	444
1SpLS-4-6	2	2	-68	57	443
1SpLS-4-6	2	3	-26	39	447
1SpLS-6a-1	1	1	-355	374	1033
1SpLS-6a-1	2	1	-234	215	1416
1SpLS-6a-1	2	2	-410	235	1373
1SpLS-6a-1	2	3	-273	173	1406
1SpLS-6a-2	1	1	-240	281	793
1SpLS-6a-2	2	1	-101	136	972
1SpLS-6a-2	2	2	-231	152	963
1SpLS-6a-2	2	3	-129	105	953
1SpLS-6a-3	1	1	-324	348	967
1SpLS-6a-3	2	1	-237	217	1429
1SpLS-6a-3	2	2	-411	235	1376
1SpLS-6a-3	2	3	-282	177	1432
1SpLS-6a-4	1	1	-180	231	667
1SpLS-6a-4	2	1	-141	161	1107
1SpLS-6a-4	2	2	-275	174	1063
1SpLS-6a-4	2	3	-185	133	1128
1SpLS-6a-5	1	1	-149	204	603
1SpLS-6a-5	2	1	-109	141	998
1SpLS-6a-5	2	2	-233	153	966
1SpLS-6a-5	2	3	-150	116	1020
1SpLS-6a-6	1	1	-113	163	529
1SpLS-6a-6	2	1	-43	86	777
1SpLS-6a-6	2	2	-149	99	775
1SpLS-6a-6	2	3	-74	66	780
1SpLS-6b-1	1	1	845	374	1033
1SpLS-6b-1	2	1	966	215	1416
1SpLS-6b-1	2	2	790	235	1373
1SpLS-6b-1	2	3	927	173	1406
1SpLS-6b-2	1	1	960	281	793
1SpLS-6b-2	2	1	1099	136	972
1SpLS-6b-2	2	2	969	152	963
1SpLS-6b-2	2	3	1071	105	953
1SpLS-6b-3	1	1	876	348	967
1SpLS-6b-3	2	1	963	217	1429
1SpLS-6b-3	2	2	789	235	1376
1SpLS-6b-3	2	3	918	177	1432
1SpLS-6b-4	1	1	1020	231	667
1SpLS-6b-4	2	1	1059	161	1107
1SpLS-6b-4	2	2	925	174	1063

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-6b-4	2	3	1015	133	1128
1SpLS-6b-5	1	1	1051	204	603
1SpLS-6b-5	2	1	1091	141	998
1SpLS-6b-5	2	2	967	153	966
1SpLS-6b-5	2	3	1050	116	1020
1SpLS-6b-6	1	1	1087	163	529
1SpLS-6b-6	2	1	1157	86	777
1SpLS-6b-6	2	2	1051	99	775
1SpLS-6b-6	2	3	1126	66	780
2SpLS-1a-1	1	1	-287	413	757
2SpLS-1a-1	1	2	-361	240	772
2SpLS-1a-1	2	1	-194	316	1059
2SpLS-1a-1	2	2	-326	331	1018
2SpLS-1a-1	2	3	-223	273	1054
2SpLS-1a-2	1	1	-181	288	548
2SpLS-1a-2	1	2	-178	125	458
2SpLS-1a-2	2	1	-67	168	640
2SpLS-1a-2	2	2	-154	181	632
2SpLS-1a-2	2	3	-83	138	623
2SpLS-1a-3	1	1	-259	380	701
2SpLS-1a-3	1	2	-366	244	781
2SpLS-1a-3	2	1	-197	320	1069
2SpLS-1a-3	2	2	-327	331	1021
2SpLS-1a-3	2	3	-230	280	1077
2SpLS-1a-4	1	1	-122	215	432
2SpLS-1a-4	1	2	-240	166	564
2SpLS-1a-4	2	1	-108	218	775
2SpLS-1a-4	2	2	-198	222	732
2SpLS-1a-4	2	3	-140	195	797
2SpLS-1a-5	1	1	-89	172	367
2SpLS-1a-5	1	2	-194	136	486
2SpLS-1a-5	2	1	-76	179	669
2SpLS-1a-5	2	2	-155	182	634
2SpLS-1a-5	2	3	-105	161	690
2SpLS-1a-6	1	1	-48	90	294
2SpLS-1a-6	1	2	-89	36	306
2SpLS-1a-6	2	1	-3	52	431
2SpLS-1a-6	2	2	-62	58	430
2SpLS-1a-6	2	3	-21	42	432
2SpLS-3-1	1	1	-1130	1406	3450
2SpLS-3-1	1	2	-1473	662	3454
2SpLS-3-1	2	1	-629	759	3967
2SpLS-3-1	2	2	-1120	812	3831
2SpLS-3-1	2	3	-743	630	3941

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-3-2	1	1	-734	1040	2636
2SpLS-3-2	1	2	-804	383	2287
2SpLS-3-2	2	1	-211	439	2567
2SpLS-3-2	2	2	-557	486	2542
2SpLS-3-2	2	3	-285	349	2509
2SpLS-3-3	1	1	-1023	1309	3230
2SpLS-3-3	1	2	-1495	670	3492
2SpLS-3-3	2	1	-640	767	4002
2SpLS-3-3	2	2	-1123	814	3838
2SpLS-3-3	2	3	-767	644	4017
2SpLS-3-4	1	1	-522	835	2199
2SpLS-3-4	1	2	-1024	480	2671
2SpLS-3-4	2	1	-342	545	3007
2SpLS-3-4	2	2	-701	574	2872
2SpLS-3-4	2	3	-466	465	3077
2SpLS-3-5	1	1	-413	722	1977
2SpLS-3-5	1	2	-861	409	2387
2SpLS-3-5	2	1	-240	463	2662
2SpLS-3-5	2	2	-562	489	2553
2SpLS-3-5	2	3	-355	396	2728
2SpLS-3-6	1	1	-284	532	1726
2SpLS-3-6	1	2	-522	193	1797
2SpLS-3-6	2	1	-18	216	1918
2SpLS-3-6	2	2	-280	247	1912
2SpLS-3-6	2	3	-98	169	1923
2SpLS-4-1	1	1	-299	307	816
2SpLS-4-1	1	2	-375	133	807
2SpLS-4-1	2	1	-204	182	1106
2SpLS-4-1	2	2	-339	196	1066
2SpLS-4-1	2	3	-233	148	1096
2SpLS-4-2	1	1	-190	219	590
2SpLS-4-2	1	2	-185	73	476
2SpLS-4-2	2	1	-73	103	667
2SpLS-4-2	2	2	-162	114	660
2SpLS-4-2	2	3	-90	80	648
2SpLS-4-3	1	1	-270	283	755
2SpLS-4-3	1	2	-380	134	817
2SpLS-4-3	2	1	-207	184	1116
2SpLS-4-3	2	2	-340	197	1069
2SpLS-4-3	2	3	-241	151	1120
2SpLS-4-4	1	1	-128	167	461
2SpLS-4-4	1	2	-250	94	590
2SpLS-4-4	2	1	-115	129	809
2SpLS-4-4	2	2	-209	137	767

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-4-4	2	3	-147	108	829
2SpLS-4-5	1	1	-95	139	392
2SpLS-4-5	1	2	-203	79	507
2SpLS-4-5	2	1	-83	109	699
2SpLS-4-5	2	2	-164	115	664
2SpLS-4-5	2	3	-112	92	719
2SpLS-4-6	1	1	-51	93	302
2SpLS-4-6	1	2	-94	34	316
2SpLS-4-6	2	1	-7	50	444
2SpLS-4-6	2	2	-68	57	443
2SpLS-4-6	2	3	-26	39	447
2SpLS-6a-1	1	1	-355	374	1033
2SpLS-6a-1	1	2	-457	155	1027
2SpLS-6a-1	2	1	-234	215	1416
2SpLS-6a-1	2	2	-410	235	1373
2SpLS-6a-1	2	3	-273	173	1406
2SpLS-6a-2	1	1	-240	281	793
2SpLS-6a-2	1	2	-264	95	689
2SpLS-6a-2	2	1	-101	136	972
2SpLS-6a-2	2	2	-231	152	963
2SpLS-6a-2	2	3	-129	105	953
2SpLS-6a-3	1	1	-324	348	967
2SpLS-6a-3	1	2	-463	157	1038
2SpLS-6a-3	2	1	-237	217	1429
2SpLS-6a-3	2	2	-411	235	1376
2SpLS-6a-3	2	3	-282	177	1432
2SpLS-6a-4	1	1	-180	231	667
2SpLS-6a-4	1	2	-327	115	800
2SpLS-6a-4	2	1	-141	161	1107
2SpLS-6a-4	2	2	-275	174	1063
2SpLS-6a-4	2	3	-185	133	1128
2SpLS-6a-5	1	1	-149	204	603
2SpLS-6a-5	1	2	-280	100	718
2SpLS-6a-5	2	1	-109	141	998
2SpLS-6a-5	2	2	-233	153	966
2SpLS-6a-5	2	3	-150	116	1020
2SpLS-6a-6	1	1	-113	163	529
2SpLS-6a-6	1	2	-186	58	553
2SpLS-6a-6	2	1	-43	86	777
2SpLS-6a-6	2	2	-149	99	775
2SpLS-6a-6	2	3	-74	66	780
2SpLS-6b-1	1	1	845	374	1033
2SpLS-6b-1	1	2	743	155	1027
2SpLS-6b-1	2	1	966	215	1416

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-6b-1	2	2	790	235	1373
2SpLS-6b-1	2	3	927	173	1406
2SpLS-6b-2	1	1	960	281	793
2SpLS-6b-2	1	2	936	95	689
2SpLS-6b-2	2	1	1099	136	972
2SpLS-6b-2	2	2	969	152	963
2SpLS-6b-2	2	3	1071	105	953
2SpLS-6b-3	1	1	876	348	967
2SpLS-6b-3	1	2	737	157	1038
2SpLS-6b-3	2	1	963	217	1429
2SpLS-6b-3	2	2	789	235	1376
2SpLS-6b-3	2	3	918	177	1432
2SpLS-6b-4	1	1	1020	231	667
2SpLS-6b-4	1	2	873	115	800
2SpLS-6b-4	2	1	1059	161	1107
2SpLS-6b-4	2	2	925	174	1063
2SpLS-6b-4	2	3	1015	133	1128
2SpLS-6b-5	1	1	1051	204	603
2SpLS-6b-5	1	2	920	100	718
2SpLS-6b-5	2	1	1091	141	998
2SpLS-6b-5	2	2	967	153	966
2SpLS-6b-5	2	3	1050	116	1020
2SpLS-6b-6	1	1	1087	163	529
2SpLS-6b-6	1	2	1014	58	553
2SpLS-6b-6	2	1	1157	86	777
2SpLS-6b-6	2	2	1051	99	775
2SpLS-6b-6	2	3	1126	66	780
3SpLS-1a-1	1	1	-287	413	757
3SpLS-1a-1	1	2	-361	240	772
3SpLS-1a-1	2	1	-194	316	1059
3SpLS-1a-1	2	2	-326	331	1018
3SpLS-1a-1	2	3	-223	273	1054
3SpLS-1a-2	1	1	-181	288	548
3SpLS-1a-2	1	2	-178	125	458
3SpLS-1a-2	2	1	-67	168	640
3SpLS-1a-2	2	2	-154	181	632
3SpLS-1a-2	2	3	-83	138	623
3SpLS-1a-3	1	1	-259	380	701
3SpLS-1a-3	1	2	-366	244	781
3SpLS-1a-3	2	1	-197	320	1069
3SpLS-1a-3	2	2	-327	331	1021
3SpLS-1a-3	2	3	-230	280	1077
3SpLS-1a-4	1	1	-122	215	432
3SpLS-1a-4	1	2	-240	166	564

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-1a-4	2	1	-108	218	775
3SpLS-1a-4	2	2	-198	222	732
3SpLS-1a-4	2	3	-140	195	797
3SpLS-1a-5	1	1	-89	172	367
3SpLS-1a-5	1	2	-194	136	486
3SpLS-1a-5	2	1	-76	179	669
3SpLS-1a-5	2	2	-155	182	634
3SpLS-1a-5	2	3	-105	161	690
3SpLS-1a-6	1	1	-48	90	294
3SpLS-1a-6	1	2	-89	36	306
3SpLS-1a-6	2	1	-3	52	431
3SpLS-1a-6	2	2	-62	58	430
3SpLS-1a-6	2	3	-21	42	432
3SpLS-3-1	1	1	-1130	1406	3450
3SpLS-3-1	1	2	-1473	662	3454
3SpLS-3-1	2	1	-629	759	3967
3SpLS-3-1	2	2	-1120	812	3831
3SpLS-3-1	2	3	-743	630	3941
3SpLS-3-2	1	1	-734	1040	2636
3SpLS-3-2	1	2	-804	383	2287
3SpLS-3-2	2	1	-211	439	2567
3SpLS-3-2	2	2	-557	486	2542
3SpLS-3-2	2	3	-285	349	2509
3SpLS-3-3	1	1	-1023	1309	3230
3SpLS-3-3	1	2	-1495	670	3492
3SpLS-3-3	2	1	-640	767	4002
3SpLS-3-3	2	2	-1123	814	3838
3SpLS-3-3	2	3	-767	644	4017
3SpLS-3-4	1	1	-522	835	2199
3SpLS-3-4	1	2	-1024	480	2671
3SpLS-3-4	2	1	-342	545	3007
3SpLS-3-4	2	2	-701	574	2872
3SpLS-3-4	2	3	-466	465	3077
3SpLS-3-5	1	1	-413	722	1977
3SpLS-3-5	1	2	-861	409	2387
3SpLS-3-5	2	1	-240	463	2662
3SpLS-3-5	2	2	-562	489	2553
3SpLS-3-5	2	3	-355	396	2728
3SpLS-3-6	1	1	-284	532	1726
3SpLS-3-6	1	2	-522	193	1797
3SpLS-3-6	2	1	-18	216	1918
3SpLS-3-6	2	2	-280	247	1912
3SpLS-3-6	2	3	-98	169	1923
3SpLS-4-1	1	1	-299	307	816

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-4-1	1	2	-375	133	807
3SpLS-4-1	2	1	-204	182	1106
3SpLS-4-1	2	2	-339	196	1066
3SpLS-4-1	2	3	-233	148	1096
3SpLS-4-2	1	1	-190	219	590
3SpLS-4-2	1	2	-185	73	476
3SpLS-4-2	2	1	-73	103	667
3SpLS-4-2	2	2	-162	114	660
3SpLS-4-2	2	3	-90	80	648
3SpLS-4-3	1	1	-270	283	755
3SpLS-4-3	1	2	-380	134	817
3SpLS-4-3	2	1	-207	184	1116
3SpLS-4-3	2	2	-340	197	1069
3SpLS-4-3	2	3	-241	151	1120
3SpLS-4-4	1	1	-128	167	461
3SpLS-4-4	1	2	-250	94	590
3SpLS-4-4	2	1	-115	129	809
3SpLS-4-4	2	2	-209	137	767
3SpLS-4-4	2	3	-147	108	829
3SpLS-4-5	1	1	-95	139	392
3SpLS-4-5	1	2	-203	79	507
3SpLS-4-5	2	1	-83	109	699
3SpLS-4-5	2	2	-164	115	664
3SpLS-4-5	2	3	-112	92	719
3SpLS-4-6	1	1	-51	93	302
3SpLS-4-6	1	2	-94	34	316
3SpLS-4-6	2	1	-7	50	444
3SpLS-4-6	2	2	-68	57	443
3SpLS-4-6	2	3	-26	39	447
3SpLS-6a-1	1	1	-355	374	1033
3SpLS-6a-1	1	2	-457	155	1027
3SpLS-6a-1	2	1	-234	215	1416
3SpLS-6a-1	2	2	-410	235	1373
3SpLS-6a-1	2	3	-273	173	1406
3SpLS-6a-2	1	1	-240	281	793
3SpLS-6a-2	1	2	-264	95	689
3SpLS-6a-2	2	1	-101	136	972
3SpLS-6a-2	2	2	-231	152	963
3SpLS-6a-2	2	3	-129	105	953
3SpLS-6a-3	1	1	-324	348	967
3SpLS-6a-3	1	2	-463	157	1038
3SpLS-6a-3	2	1	-237	217	1429
3SpLS-6a-3	2	2	-411	235	1376
3SpLS-6a-3	2	3	-282	177	1432

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-6a-4	1	1	-180	231	667
3SpLS-6a-4	1	2	-327	115	800
3SpLS-6a-4	2	1	-141	161	1107
3SpLS-6a-4	2	2	-275	174	1063
3SpLS-6a-4	2	3	-185	133	1128
3SpLS-6a-5	1	1	-149	204	603
3SpLS-6a-5	1	2	-280	100	718
3SpLS-6a-5	2	1	-109	141	998
3SpLS-6a-5	2	2	-233	153	966
3SpLS-6a-5	2	3	-150	116	1020
3SpLS-6a-6	1	1	-113	163	529
3SpLS-6a-6	1	2	-186	58	553
3SpLS-6a-6	2	1	-43	86	777
3SpLS-6a-6	2	2	-149	99	775
3SpLS-6a-6	2	3	-74	66	780
3SpLS-6b-1	1	1	845	374	1033
3SpLS-6b-1	1	2	743	155	1027
3SpLS-6b-1	2	1	966	215	1416
3SpLS-6b-1	2	2	790	235	1373
3SpLS-6b-1	2	3	927	173	1406
3SpLS-6b-2	1	1	960	281	793
3SpLS-6b-2	1	2	936	95	689
3SpLS-6b-2	2	1	1099	136	972
3SpLS-6b-2	2	2	969	152	963
3SpLS-6b-2	2	3	1071	105	953
3SpLS-6b-3	1	1	876	348	967
3SpLS-6b-3	1	2	737	157	1038
3SpLS-6b-3	2	1	963	217	1429
3SpLS-6b-3	2	2	789	235	1376
3SpLS-6b-3	2	3	918	177	1432
3SpLS-6b-4	1	1	1020	231	667
3SpLS-6b-4	1	2	873	115	800
3SpLS-6b-4	2	1	1059	161	1107
3SpLS-6b-4	2	2	925	174	1063
3SpLS-6b-4	2	3	1015	133	1128
3SpLS-6b-5	1	1	1051	204	603
3SpLS-6b-5	1	2	920	100	718
3SpLS-6b-5	2	1	1091	141	998
3SpLS-6b-5	2	2	967	153	966
3SpLS-6b-5	2	3	1050	116	1020
3SpLS-6b-6	1	1	1087	163	529
3SpLS-6b-6	1	2	1014	58	553
3SpLS-6b-6	2	1	1157	86	777
3SpLS-6b-6	2	2	1051	99	775

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-6b-6	2	3	1126	66	780
4SpLS-1a-1	2	1	-194	316	1059
4SpLS-1a-1	2	2	-326	331	1018
4SpLS-1a-1	2	3	-223	273	1054
4SpLS-1a-2	2	1	-67	168	640
4SpLS-1a-2	2	2	-154	181	632
4SpLS-1a-2	2	3	-83	138	623
4SpLS-1a-3	2	1	-197	320	1069
4SpLS-1a-3	2	2	-327	331	1021
4SpLS-1a-3	2	3	-230	280	1077
4SpLS-1a-4	2	1	-108	218	775
4SpLS-1a-4	2	2	-198	222	732
4SpLS-1a-4	2	3	-140	195	797
4SpLS-1a-5	2	1	-76	179	669
4SpLS-1a-5	2	2	-155	182	634
4SpLS-1a-5	2	3	-105	161	690
4SpLS-1a-6	2	1	-3	52	431
4SpLS-1a-6	2	2	-62	58	430
4SpLS-1a-6	2	3	-21	42	432
4SpLS-3-1	2	1	-629	759	3967
4SpLS-3-1	2	2	-1120	812	3831
4SpLS-3-1	2	3	-743	630	3941
4SpLS-3-2	2	1	-211	439	2567
4SpLS-3-2	2	2	-557	486	2542
4SpLS-3-2	2	3	-285	349	2509
4SpLS-3-3	2	1	-640	767	4002
4SpLS-3-3	2	2	-1123	814	3838
4SpLS-3-3	2	3	-767	644	4017
4SpLS-3-4	2	1	-342	545	3007
4SpLS-3-4	2	2	-701	574	2872
4SpLS-3-4	2	3	-466	465	3077
4SpLS-3-5	2	1	-240	463	2662
4SpLS-3-5	2	2	-562	489	2553
4SpLS-3-5	2	3	-355	396	2728
4SpLS-3-6	2	1	-18	216	1918
4SpLS-3-6	2	2	-280	247	1912
4SpLS-3-6	2	3	-98	169	1923
4SpLS-4-1	2	1	-204	182	1106
4SpLS-4-1	2	2	-339	196	1066
4SpLS-4-1	2	3	-233	148	1096
4SpLS-4-2	2	1	-73	103	667
4SpLS-4-2	2	2	-162	114	660
4SpLS-4-2	2	3	-90	80	648
4SpLS-4-3	2	1	-207	184	1116

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-4-3	2	2	-340	197	1069
4SpLS-4-3	2	3	-241	151	1120
4SpLS-4-4	2	1	-115	129	809
4SpLS-4-4	2	2	-209	137	767
4SpLS-4-4	2	3	-147	108	829
4SpLS-4-5	2	1	-83	109	699
4SpLS-4-5	2	2	-164	115	664
4SpLS-4-5	2	3	-112	92	719
4SpLS-4-6	2	1	-7	50	444
4SpLS-4-6	2	2	-68	57	443
4SpLS-4-6	2	3	-26	39	447
4SpLS-6a-1	2	1	-234	215	1416
4SpLS-6a-1	2	2	-410	235	1373
4SpLS-6a-1	2	3	-273	173	1406
4SpLS-6a-2	2	1	-101	136	972
4SpLS-6a-2	2	2	-231	152	963
4SpLS-6a-2	2	3	-129	105	953
4SpLS-6a-3	2	1	-237	217	1429
4SpLS-6a-3	2	2	-411	235	1376
4SpLS-6a-3	2	3	-282	177	1432
4SpLS-6a-4	2	1	-141	161	1107
4SpLS-6a-4	2	2	-275	174	1063
4SpLS-6a-4	2	3	-185	133	1128
4SpLS-6a-5	2	1	-109	141	998
4SpLS-6a-5	2	2	-233	153	966
4SpLS-6a-5	2	3	-150	116	1020
4SpLS-6a-6	2	1	-43	86	777
4SpLS-6a-6	2	2	-149	99	775
4SpLS-6a-6	2	3	-74	66	780
4SpLS-6b-1	2	1	966	215	1416
4SpLS-6b-1	2	2	790	235	1373
4SpLS-6b-1	2	3	927	173	1406
4SpLS-6b-2	2	1	1099	136	972
4SpLS-6b-2	2	2	969	152	963
4SpLS-6b-2	2	3	1071	105	953
4SpLS-6b-3	2	1	963	217	1429
4SpLS-6b-3	2	2	789	235	1376
4SpLS-6b-3	2	3	918	177	1432
4SpLS-6b-4	2	1	1059	161	1107
4SpLS-6b-4	2	2	925	174	1063
4SpLS-6b-4	2	3	1015	133	1128
4SpLS-6b-5	2	1	1091	141	998
4SpLS-6b-5	2	2	967	153	966
4SpLS-6b-5	2	3	1050	116	1020

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-6b-6	2	1	1157	86	777
4SpLS-6b-6	2	2	1051	99	775
4SpLS-6b-6	2	3	1126	66	780
5SpLS-1a-1	1	1	-287	413	757
5SpLS-1a-1	1	2	-361	240	772
5SpLS-1a-1	2	1	-194	316	1059
5SpLS-1a-1	2	2	-326	331	1018
5SpLS-1a-1	2	3	-223	273	1054
5SpLS-1a-2	1	1	-181	288	548
5SpLS-1a-2	1	2	-178	125	458
5SpLS-1a-2	2	1	-67	168	640
5SpLS-1a-2	2	2	-154	181	632
5SpLS-1a-2	2	3	-83	138	623
5SpLS-1a-3	1	1	-259	380	701
5SpLS-1a-3	1	2	-366	244	781
5SpLS-1a-3	2	1	-197	320	1069
5SpLS-1a-3	2	2	-327	331	1021
5SpLS-1a-3	2	3	-230	280	1077
5SpLS-1a-4	1	1	-122	215	432
5SpLS-1a-4	1	2	-240	166	564
5SpLS-1a-4	2	1	-108	218	775
5SpLS-1a-4	2	2	-198	222	732
5SpLS-1a-4	2	3	-140	195	797
5SpLS-1a-5	1	1	-89	172	367
5SpLS-1a-5	1	2	-194	136	486
5SpLS-1a-5	2	1	-76	179	669
5SpLS-1a-5	2	2	-155	182	634
5SpLS-1a-5	2	3	-105	161	690
5SpLS-1a-6	1	1	-48	90	294
5SpLS-1a-6	1	2	-89	36	306
5SpLS-1a-6	2	1	-3	52	431
5SpLS-1a-6	2	2	-62	58	430
5SpLS-1a-6	2	3	-21	42	432
5SpLS-3-1	1	1	-1130	1406	3450
5SpLS-3-1	1	2	-1473	662	3454
5SpLS-3-1	2	1	-629	759	3967
5SpLS-3-1	2	2	-1120	812	3831
5SpLS-3-1	2	3	-743	630	3941
5SpLS-3-2	1	1	-734	1040	2636
5SpLS-3-2	1	2	-804	383	2287
5SpLS-3-2	2	1	-211	439	2567
5SpLS-3-2	2	2	-557	486	2542
5SpLS-3-2	2	3	-285	349	2509
5SpLS-3-3	1	1	-1023	1309	3230

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-3-3	1	2	-1495	670	3492
5SpLS-3-3	2	1	-640	767	4002
5SpLS-3-3	2	2	-1123	814	3838
5SpLS-3-3	2	3	-767	644	4017
5SpLS-3-4	1	1	-522	835	2199
5SpLS-3-4	1	2	-1024	480	2671
5SpLS-3-4	2	1	-342	545	3007
5SpLS-3-4	2	2	-701	574	2872
5SpLS-3-4	2	3	-466	465	3077
5SpLS-3-5	1	1	-413	722	1977
5SpLS-3-5	1	2	-861	409	2387
5SpLS-3-5	2	1	-240	463	2662
5SpLS-3-5	2	2	-562	489	2553
5SpLS-3-5	2	3	-355	396	2728
5SpLS-3-6	1	1	-284	532	1726
5SpLS-3-6	1	2	-522	193	1797
5SpLS-3-6	2	1	-18	216	1918
5SpLS-3-6	2	2	-280	247	1912
5SpLS-3-6	2	3	-98	169	1923
5SpLS-4-1	1	1	-299	307	816
5SpLS-4-1	1	2	-375	133	807
5SpLS-4-1	2	1	-204	182	1106
5SpLS-4-1	2	2	-339	196	1066
5SpLS-4-1	2	3	-233	148	1096
5SpLS-4-2	1	1	-190	219	590
5SpLS-4-2	1	2	-185	73	476
5SpLS-4-2	2	1	-73	103	667
5SpLS-4-2	2	2	-162	114	660
5SpLS-4-2	2	3	-90	80	648
5SpLS-4-3	1	1	-270	283	755
5SpLS-4-3	1	2	-380	134	817
5SpLS-4-3	2	1	-207	184	1116
5SpLS-4-3	2	2	-340	197	1069
5SpLS-4-3	2	3	-241	151	1120
5SpLS-4-4	1	1	-128	167	461
5SpLS-4-4	1	2	-250	94	590
5SpLS-4-4	2	1	-115	129	809
5SpLS-4-4	2	2	-209	137	767
5SpLS-4-4	2	3	-147	108	829
5SpLS-4-5	1	1	-95	139	392
5SpLS-4-5	1	2	-203	79	507
5SpLS-4-5	2	1	-83	109	699
5SpLS-4-5	2	2	-164	115	664
5SpLS-4-5	2	3	-112	92	719

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-4-6	1	1	-51	93	302
5SpLS-4-6	1	2	-94	34	316
5SpLS-4-6	2	1	-7	50	444
5SpLS-4-6	2	2	-68	57	443
5SpLS-4-6	2	3	-26	39	447
5SpLS-6a-1	1	1	-355	374	1033
5SpLS-6a-1	1	2	-457	155	1027
5SpLS-6a-1	2	1	-234	215	1416
5SpLS-6a-1	2	2	-410	235	1373
5SpLS-6a-1	2	3	-273	173	1406
5SpLS-6a-2	1	1	-240	281	793
5SpLS-6a-2	1	2	-264	95	689
5SpLS-6a-2	2	1	-101	136	972
5SpLS-6a-2	2	2	-231	152	963
5SpLS-6a-2	2	3	-129	105	953
5SpLS-6a-3	1	1	-324	348	967
5SpLS-6a-3	1	2	-463	157	1038
5SpLS-6a-3	2	1	-237	217	1429
5SpLS-6a-3	2	2	-411	235	1376
5SpLS-6a-3	2	3	-282	177	1432
5SpLS-6a-4	1	1	-180	231	667
5SpLS-6a-4	1	2	-327	115	800
5SpLS-6a-4	2	1	-141	161	1107
5SpLS-6a-4	2	2	-275	174	1063
5SpLS-6a-4	2	3	-185	133	1128
5SpLS-6a-5	1	1	-149	204	603
5SpLS-6a-5	1	2	-280	100	718
5SpLS-6a-5	2	1	-109	141	998
5SpLS-6a-5	2	2	-233	153	966
5SpLS-6a-5	2	3	-150	116	1020
5SpLS-6a-6	1	1	-113	163	529
5SpLS-6a-6	1	2	-186	58	553
5SpLS-6a-6	2	1	-43	86	777
5SpLS-6a-6	2	2	-149	99	775
5SpLS-6a-6	2	3	-74	66	780
5SpLS-6b-1	1	1	845	374	1033
5SpLS-6b-1	1	2	743	155	1027
5SpLS-6b-1	2	1	966	215	1416
5SpLS-6b-1	2	2	790	235	1373
5SpLS-6b-1	2	3	927	173	1406
5SpLS-6b-2	1	1	960	281	793
5SpLS-6b-2	1	2	936	95	689
5SpLS-6b-2	2	1	1099	136	972
5SpLS-6b-2	2	2	969	152	963

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-6b-2	2	3	1071	105	953
5SpLS-6b-3	1	1	876	348	967
5SpLS-6b-3	1	2	737	157	1038
5SpLS-6b-3	2	1	963	217	1429
5SpLS-6b-3	2	2	789	235	1376
5SpLS-6b-3	2	3	918	177	1432
5SpLS-6b-4	1	1	1020	231	667
5SpLS-6b-4	1	2	873	115	800
5SpLS-6b-4	2	1	1059	161	1107
5SpLS-6b-4	2	2	925	174	1063
5SpLS-6b-4	2	3	1015	133	1128
5SpLS-6b-5	1	1	1051	204	603
5SpLS-6b-5	1	2	920	100	718
5SpLS-6b-5	2	1	1091	141	998
5SpLS-6b-5	2	2	967	153	966
5SpLS-6b-5	2	3	1050	116	1020
5SpLS-6b-6	1	1	1087	163	529
5SpLS-6b-6	1	2	1014	58	553
5SpLS-6b-6	2	1	1157	86	777
5SpLS-6b-6	2	2	1051	99	775
5SpLS-6b-6	2	3	1126	66	780
SeLS-1a-1	1	1	-239	418	608
SeLS-1a-1	1	2	-301	272	636
SeLS-1a-1	2	1	-162	353	873
SeLS-1a-1	2	2	-271	365	837
SeLS-1a-1	2	3	-186	310	871
SeLS-1a-2	1	1	-151	289	441
SeLS-1a-2	1	2	-148	138	378
SeLS-1a-2	2	1	-56	183	529
SeLS-1a-2	2	2	-128	196	521
SeLS-1a-2	2	3	-69	154	516
SeLS-1a-3	1	1	-216	384	563
SeLS-1a-3	1	2	-305	276	643
SeLS-1a-3	2	1	-164	357	881
SeLS-1a-3	2	2	-272	366	839
SeLS-1a-3	2	3	-192	318	890
SeLS-1a-4	1	1	-102	213	350
SeLS-1a-4	1	2	-200	186	465
SeLS-1a-4	2	1	-90	241	639
SeLS-1a-4	2	2	-165	243	603
SeLS-1a-4	2	3	-116	220	660
SeLS-1a-5	1	1	-74	167	299
SeLS-1a-5	1	2	-162	151	401
SeLS-1a-5	2	1	-63	196	552

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-1a-5	2	2	-129	197	523
SeLS-1a-5	2	3	-87	180	571
SeLS-1a-5	1	1	-40	75	245
SeLS-1a-5	1	2	-74	31	255
SeLS-1a-5	2	1	-3	45	359
SeLS-1a-5	2	2	-52	50	358
SeLS-1a-5	2	3	-18	37	360
SeLS-3-1	1	1	-941	1172	2875
SeLS-3-1	1	2	-1228	551	2878
SeLS-3-1	2	1	-525	633	3305
SeLS-3-1	2	2	-933	677	3192
SeLS-3-1	2	3	-619	525	3284
SeLS-3-2	1	1	-612	867	2196
SeLS-3-2	1	2	-670	319	1906
SeLS-3-2	2	1	-176	366	2139
SeLS-3-2	2	2	-464	405	2118
SeLS-3-2	2	3	-237	291	2091
SeLS-3-3	1	1	-852	1091	2692
SeLS-3-3	1	2	-1246	558	2910
SeLS-3-3	2	1	-533	639	3335
SeLS-3-3	2	2	-936	679	3198
SeLS-3-3	2	3	-639	537	3348
SeLS-3-4	1	1	-435	696	1833
SeLS-3-4	1	2	-853	400	2226
SeLS-3-4	2	1	-285	454	2505
SeLS-3-4	2	2	-584	478	2393
SeLS-3-4	2	3	-388	388	2564
SeLS-3-5	1	1	-345	601	1647
SeLS-3-5	1	2	-717	341	1989
SeLS-3-5	2	1	-200	386	2218
SeLS-3-5	2	2	-468	407	2128
SeLS-3-5	2	3	-295	330	2273
SeLS-3-6	1	1	-237	444	1438
SeLS-3-6	1	2	-435	161	1498
SeLS-3-6	2	1	-15	180	1598
SeLS-3-6	2	2	-234	206	1593
SeLS-3-6	2	3	-81	141	1602
SeLS-4-1	1	1	-249	256	680
SeLS-4-1	1	2	-312	111	673
SeLS-4-1	2	1	-170	152	921
SeLS-4-1	2	2	-282	164	888
SeLS-4-1	2	3	-194	123	914
SeLS-4-2	1	1	-158	182	491
SeLS-4-2	1	2	-154	61	397

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-4-2	2	1	-61	85	556
SeLS-4-2	2	2	-135	95	550
SeLS-4-2	2	3	-75	67	540
SeLS-4-3	1	1	-225	236	629
SeLS-4-3	1	2	-317	112	681
SeLS-4-3	2	1	-172	153	930
SeLS-4-3	2	2	-283	164	891
SeLS-4-3	2	3	-201	126	934
SeLS-4-4	1	1	-107	140	384
SeLS-4-4	1	2	-209	78	492
SeLS-4-4	2	1	-96	107	674
SeLS-4-4	2	2	-174	114	639
SeLS-4-4	2	3	-123	90	691
SeLS-4-5	1	1	-79	116	326
SeLS-4-5	1	2	-169	65	422
SeLS-4-5	2	1	-69	90	583
SeLS-4-5	2	2	-136	96	553
SeLS-4-5	2	3	-94	76	599
SeLS-4-6	1	1	-43	78	251
SeLS-4-6	1	2	-78	28	263
SeLS-4-6	2	1	-6	41	370
SeLS-4-6	2	2	-57	47	369
SeLS-4-6	2	3	-21	32	372
SeLS-6a-1	1	1	-296	311	861
SeLS-6a-1	1	2	-381	129	856
SeLS-6a-1	2	1	-195	179	1180
SeLS-6a-1	2	2	-342	196	1144
SeLS-6a-1	2	3	-228	144	1172
SeLS-6a-2	1	1	-200	234	660
SeLS-6a-2	1	2	-220	79	574
SeLS-6a-2	2	1	-84	113	810
SeLS-6a-2	2	2	-193	127	802
SeLS-6a-2	2	3	-107	88	794
SeLS-6a-3	1	1	-270	290	806
SeLS-6a-3	1	2	-386	131	865
SeLS-6a-3	2	1	-198	181	1190
SeLS-6a-3	2	2	-343	196	1147
SeLS-6a-3	2	3	-235	147	1193
SeLS-6a-4	1	1	-150	192	556
SeLS-6a-4	1	2	-272	96	667
SeLS-6a-4	2	1	-118	134	922
SeLS-6a-4	2	2	-229	145	886
SeLS-6a-4	2	3	-154	111	940
SeLS-6a-5	1	1	-124	170	502

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-6a-5	1	2	-233	83	598
SeLS-6a-5	2	1	-91	117	832
SeLS-6a-5	2	2	-194	127	805
SeLS-6a-5	2	3	-125	97	850
SeLS-6a-6	1	1	-94	136	441
SeLS-6a-6	1	2	-155	49	461
SeLS-6a-6	2	1	-36	71	647
SeLS-6a-6	2	2	-125	82	646
SeLS-6a-6	2	3	-61	55	650
SeLS-6b-1	1	1	-296	311	861
SeLS-6b-1	1	2	-381	129	856
SeLS-6b-1	2	1	-195	179	1180
SeLS-6b-1	2	2	-342	196	1144
SeLS-6b-1	2	3	-228	144	1172
SeLS-6b-2	1	1	-200	234	660
SeLS-6b-2	1	2	-220	79	574
SeLS-6b-2	2	1	-84	113	810
SeLS-6b-2	2	2	-193	127	802
SeLS-6b-2	2	3	-107	88	794
SeLS-6b-3	1	1	-270	290	806
SeLS-6b-3	1	2	-386	131	865
SeLS-6b-3	2	1	-198	181	1190
SeLS-6b-3	2	2	-343	196	1147
SeLS-6b-3	2	3	-235	147	1193
SeLS-6b-4	1	1	-150	192	556
SeLS-6b-4	1	2	-272	96	667
SeLS-6b-4	2	1	-118	134	922
SeLS-6b-4	2	2	-229	145	886
SeLS-6b-4	2	3	-154	111	940
SeLS-6b-5	1	1	-124	170	502
SeLS-6b-5	1	2	-233	83	598
SeLS-6b-5	2	1	-91	117	832
SeLS-6b-5	2	2	-194	127	805
SeLS-6b-5	2	3	-125	97	850
SeLS-6b-6	1	1	-94	136	441
SeLS-6b-6	1	2	-155	49	461
SeLS-6b-6	2	1	-36	71	647
SeLS-6b-6	2	2	-125	82	646
SeLS-6b-6	2	3	-61	55	650
SeLS-7-1	1	1	-39	75	244
SeLS-7-1	1	2	-73	26	254
SeLS-7-1	2	1	-3	39	360
SeLS-7-1	2	2	-52	45	359
SeLS-7-1	2	3	-18	30	360

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
Uplift ULS-1a-4	1	1	-122	285	411
Uplift ULS-1a-4	1	2	-240	264	554
Uplift ULS-1a-4	2	1	-108	339	762
Uplift ULS-1a-4	2	2	-198	341	717
Uplift ULS-1a-4	2	3	-140	313	788
Uplift ULS-1a-5	1	1	-89	221	352
Uplift ULS-1a-5	1	2	-194	214	478
Uplift ULS-1a-5	2	1	-76	276	658
Uplift ULS-1a-5	2	2	-155	276	622
Uplift ULS-1a-5	2	3	-105	256	682
Uplift 2SpLS-6b-2	1	1	960	281	793
Uplift 2SpLS-6b-2	1	2	936	95	689
Uplift 2SpLS-6b-2	2	1	1099	136	972
Uplift 2SpLS-6b-2	2	2	969	152	963
Uplift 2SpLS-6b-2	2	3	1071	105	953
Uplift ULS-3-2	1	1	-734	1092	2620
Uplift ULS-3-2	1	2	-804	419	2284
Uplift ULS-3-2	2	1	-211	479	2563
Uplift ULS-3-2	2	2	-557	526	2537
Uplift ULS-3-2	2	3	-285	384	2507
Uplift 2SpLS-3-2	1	1	-734	1040	2636
Uplift 2SpLS-3-2	1	2	-804	383	2287
Uplift 2SpLS-3-2	2	1	-211	439	2567
Uplift 2SpLS-3-2	2	2	-557	486	2542
Uplift 2SpLS-3-2	2	3	-285	349	2509
Uplift 3SpLS-3-2	1	1	-734	1040	2636
Uplift 3SpLS-3-2	1	2	-804	383	2287
Uplift 3SpLS-3-2	2	1	-211	439	2567
Uplift 3SpLS-3-2	2	2	-557	486	2542
Uplift 3SpLS-3-2	2	3	-285	349	2509
Uplift 5SpLS-3-2	1	1	-734	1040	2636
Uplift 5SpLS-3-2	1	2	-804	383	2287
Uplift 5SpLS-3-2	2	1	-211	439	2567
Uplift 5SpLS-3-2	2	2	-557	486	2542
Uplift 5SpLS-3-2	2	3	-285	349	2509
Ice on earthwires Ahead	1	1	-546	690	1586
Ice on earthwires Ahead	1	2	-702	344	1591
Ice on earthwires Ahead	2	1	-329	416	1948
Ice on earthwires Ahead	2	2	-569	442	1878
Ice on earthwires Ahead	2	3	-383	349	1936
Ice on earthwires Back	1	1	-882	1145	2642
Ice on earthwires Back	1	2	-1145	569	2656
Ice on earthwires Back	2	1	-502	659	3100
Ice on earthwires Back	2	2	-885	700	2990

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
Ice on earthwires Back	2	3	-589	553	3080
Short Circuit Forces	1	1	-39	75	244
Short Circuit Forces	1	2	-73	26	254
Short Circuit Forces	2	1	-3	39	360
Short Circuit Forces	2	2	-52	45	359
Short Circuit Forces	2	3	-18	30	360
ULS-1a-1`	1	1	-287	-66	905
ULS-1a-1`	1	2	-361	-225	820
ULS-1a-1`	2	1	-194	-265	1122
ULS-1a-1`	2	2	-326	-252	1092
ULS-1a-1`	2	3	-223	-266	1099
ULS-1a-2`	1	1	-181	-30	646
ULS-1a-2`	1	2	-178	-99	481
ULS-1a-2`	2	1	-67	-116	671
ULS-1a-2`	2	2	-154	-111	669
ULS-1a-2`	2	3	-83	-113	643
ULS-1a-3`	1	1	-259	-57	836
ULS-1a-3`	1	2	-366	-229	830
ULS-1a-3`	2	1	-197	-268	1132
ULS-1a-3`	2	2	-327	-253	1094
ULS-1a-3`	2	3	-230	-273	1122
ULS-1a-4`	1	1	-122	-4	500
ULS-1a-4`	1	2	-240	-146	596
ULS-1a-4`	2	1	-108	-168	817
ULS-1a-4`	2	2	-198	-152	779
ULS-1a-4`	2	3	-140	-179	829
ULS-1a-5`	1	1	-89	16	415
ULS-1a-5`	1	2	-194	-112	511
ULS-1a-5`	2	1	-76	-128	702
ULS-1a-5`	2	2	-155	-113	671
ULS-1a-5`	2	3	-105	-141	715
ULS-1a-6`	1	1	-48	91	293
ULS-1a-6`	1	2	-89	24	307
ULS-1a-6`	2	1	-3	38	432
ULS-1a-6`	2	2	-62	47	431
ULS-1a-6`	2	3	-21	24	433
ULS-3-1`	1	1	-1130	705	3666
ULS-3-1`	1	2	-1473	-19	3524
ULS-3-1`	2	1	-629	29	4046
ULS-3-1`	2	2	-1120	81	3923
ULS-3-1`	2	3	-743	-48	3997
ULS-3-2`	1	1	-734	574	2779
ULS-3-2`	1	2	-804	55	2321
ULS-3-2`	2	1	-211	83	2606

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-3-2`	2	2	-557	118	2588
ULS-3-2`	2	3	-285	33	2536
ULS-3-3`	1	1	-1023	668	3428
ULS-3-3`	1	2	-1495	-21	3564
ULS-3-3`	2	1	-640	28	4082
ULS-3-3`	2	2	-1123	80	3930
ULS-3-3`	2	3	-767	-52	4075
ULS-3-4`	1	1	-522	514	2298
ULS-3-4`	1	2	-1024	24	2718
ULS-3-4`	2	1	-342	60	3059
ULS-3-4`	2	2	-701	103	2931
ULS-3-4`	2	3	-466	-5	3116
ULS-3-5`	1	1	-413	493	2047
ULS-3-5`	1	2	-861	46	2424
ULS-3-5`	2	1	-240	77	2704
ULS-3-5`	2	2	-562	118	2600
ULS-3-5`	2	3	-355	16	2760
ULS-3-6`	1	1	-284	533	1726
ULS-3-6`	1	2	-522	176	1799
ULS-3-6`	2	1	-18	199	1920
ULS-3-6`	2	2	-280	233	1913
ULS-3-6`	2	3	-98	147	1924
ULS-4-1`	1	1	-299	194	851
ULS-4-1`	1	2	-375	22	819
ULS-4-1`	2	1	-204	44	1121
ULS-4-1`	2	2	-339	58	1083
ULS-4-1`	2	3	-233	20	1107
ULS-4-2`	1	1	-190	143	613
ULS-4-2`	1	2	-185	20	482
ULS-4-2`	2	1	-73	35	674
ULS-4-2`	2	2	-162	45	669
ULS-4-2`	2	3	-90	21	653
ULS-4-3`	1	1	-270	180	787
ULS-4-3`	1	2	-380	22	828
ULS-4-3`	2	1	-207	45	1131
ULS-4-3`	2	2	-340	59	1086
ULS-4-3`	2	3	-241	20	1131
ULS-4-4`	1	1	-128	116	477
ULS-4-4`	1	2	-250	20	598
ULS-4-4`	2	1	-115	38	819
ULS-4-4`	2	2	-209	48	778
ULS-4-4`	2	3	-147	20	836
ULS-4-5`	1	1	-95	102	403
ULS-4-5`	1	2	-203	20	513

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-4-5`	2	1	-83	36	707
ULS-4-5`	2	2	-164	45	673
ULS-4-5`	2	3	-112	20	725
ULS-4-6`	1	1	-51	93	302
ULS-4-6`	1	2	-94	31	316
ULS-4-6`	2	1	-7	46	444
ULS-4-6`	2	2	-68	54	444
ULS-4-6`	2	3	-26	35	447
ULS-5a-1`	1	1	-39	75	244
ULS-5a-1`	1	2	-73	26	254
ULS-5a-1`	2	1	-3	39	360
ULS-5a-1`	2	2	-52	45	359
ULS-5a-1`	2	3	-18	30	360
ULS-5a-2`	1	1	-39	75	244
ULS-5a-2`	1	2	-73	26	254
ULS-5a-2`	2	1	-3	39	360
ULS-5a-2`	2	2	-52	45	359
ULS-5a-2`	2	3	-18	30	360
ULS-5a-3`	1	1	-39	75	244
ULS-5a-3`	1	2	-73	26	254
ULS-5a-3`	2	1	-3	39	360
ULS-5a-3`	2	2	-52	45	359
ULS-5a-3`	2	3	-18	30	360
ULS-5a-4`	1	1	-39	75	244
ULS-5a-4`	1	2	-73	26	254
ULS-5a-4`	2	1	-3	39	360
ULS-5a-4`	2	2	-52	45	359
ULS-5a-4`	2	3	-18	30	360
ULS-5a-5`	1	1	-39	75	244
ULS-5a-5`	1	2	-73	26	254
ULS-5a-5`	2	1	-3	39	360
ULS-5a-5`	2	2	-52	45	359
ULS-5a-5`	2	3	-18	30	360
ULS-5a-6`	1	1	-39	75	244
ULS-5a-6`	1	2	-73	26	254
ULS-5a-6`	2	1	-3	39	360
ULS-5a-6`	2	2	-52	45	359
ULS-5a-6`	2	3	-18	30	360
ULS-5a-7`	1	2	-73	26	254
ULS-5a-7`	2	1	-3	39	360
ULS-5a-7`	2	2	-52	45	359
ULS-5a-7`	2	3	-18	30	360
ULS-5a-8`	1	1	-39	75	244
ULS-5a-8`	2	1	-3	39	360

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-8`	2	2	-52	45	359
ULS-5a-8`	2	3	-18	30	360
ULS-5a-9`	1	1	-39	75	244
ULS-5a-9`	1	2	-73	26	254
ULS-5a-9`	2	1	-3	39	360
ULS-5a-9`	2	2	-52	45	359
ULS-5a-9`	2	3	-18	30	360
ULS-5a-10`	1	1	-39	75	244
ULS-5a-10`	1	2	-73	26	254
ULS-5a-10`	2	1	-3	39	360
ULS-5a-10`	2	2	-52	45	359
ULS-5a-10`	2	3	-18	30	360
ULS-5a-11`	1	1	-39	75	244
ULS-5a-11`	1	2	-73	26	254
ULS-5a-11`	2	1	-3	39	360
ULS-5a-11`	2	2	-52	45	359
ULS-5a-11`	2	3	-18	30	360
ULS-5a-12`	1	1	-39	75	244
ULS-5a-12`	1	2	-73	26	254
ULS-5a-12`	2	1	-3	39	360
ULS-5a-12`	2	2	-52	45	359
ULS-5a-12`	2	3	-18	30	360
ULS-5a-13`	1	1	-39	75	244
ULS-5a-13`	1	2	-73	26	254
ULS-5a-13`	2	1	-3	39	360
ULS-5a-13`	2	2	-52	45	359
ULS-5a-13`	2	3	-18	30	360
ULS-5a-14`	1	1	-39	75	244
ULS-5a-14`	1	2	-73	26	254
ULS-5a-14`	2	1	-3	39	360
ULS-5a-14`	2	2	-52	45	359
ULS-5a-14`	2	3	-18	30	360
ULS-5a-15`	1	1	-39	75	244
ULS-5a-15`	1	2	-73	26	254
ULS-5a-15`	2	1	-3	39	360
ULS-5a-15`	2	2	-52	45	359
ULS-5a-15`	2	3	-18	30	360
ULS-5a-16`	1	1	-39	75	244
ULS-5a-16`	1	2	-73	26	254
ULS-5a-16`	2	1	-3	39	360
ULS-5a-16`	2	2	-52	45	359
ULS-5a-16`	2	3	-18	30	360
ULS-5a-17`	1	1	-39	75	244
ULS-5a-17`	1	2	-73	26	254

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-17`	2	1	-3	39	360
ULS-5a-17`	2	2	-52	45	359
ULS-5a-17`	2	3	-18	30	360
ULS-5a-18`	1	1	-39	75	244
ULS-5a-18`	1	2	-73	26	254
ULS-5a-18`	2	1	-3	39	360
ULS-5a-18`	2	2	-52	45	359
ULS-5a-18`	2	3	-18	30	360
ULS-5b-2`	1	1	-39	75	244
ULS-5b-2`	1	2	-73	26	254
ULS-5b-2`	2	1	-3	39	360
ULS-5b-2`	2	2	-52	45	359
ULS-5b-2`	2	3	-18	30	360
ULS-6a-1`	1	1	-355	261	1067
ULS-6a-1`	1	2	-457	45	1038
ULS-6a-1`	2	1	-234	79	1431
ULS-6a-1`	2	2	-410	98	1391
ULS-6a-1`	2	3	-273	46	1416
ULS-6a-2`	1	1	-240	206	816
ULS-6a-2`	1	2	-264	42	695
ULS-6a-2`	2	1	-101	69	979
ULS-6a-2`	2	2	-231	83	972
ULS-6a-2`	2	3	-129	46	958
ULS-6a-3`	1	1	-324	246	998
ULS-6a-3`	1	2	-463	46	1049
ULS-6a-3`	2	1	-237	79	1444
ULS-6a-3`	2	2	-411	98	1393
ULS-6a-3`	2	3	-282	47	1443
ULS-6a-4`	1	1	-180	179	683
ULS-6a-4`	1	2	-327	42	808
ULS-6a-4`	2	1	-141	70	1117
ULS-6a-4`	2	2	-275	85	1074
ULS-6a-4`	2	3	-185	45	1135
ULS-6a-5`	1	1	-149	167	614
ULS-6a-5`	1	2	-280	42	724
ULS-6a-5`	2	1	-109	69	1006
ULS-6a-5`	2	2	-233	83	974
ULS-6a-5`	2	3	-150	45	1026
ULS-6a-6`	1	1	-113	163	529
ULS-6a-6`	1	2	-186	55	554
ULS-6a-6`	2	1	-43	83	777
ULS-6a-6`	2	2	-149	96	775
ULS-6a-6`	2	3	-74	62	780
ULS-6b-1`	1	1	845	261	1067

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-6b-1`	1	2	743	45	1038
ULS-6b-1`	2	1	966	79	1431
ULS-6b-1`	2	2	790	98	1391
ULS-6b-1`	2	3	927	46	1416
ULS-6b-2`	1	1	960	206	816
ULS-6b-2`	1	2	936	42	695
ULS-6b-2`	2	1	1099	69	979
ULS-6b-2`	2	2	969	83	972
ULS-6b-2`	2	3	1071	46	958
ULS-6b-3`	1	1	876	246	998
ULS-6b-3`	1	2	737	46	1049
ULS-6b-3`	2	1	963	79	1444
ULS-6b-3`	2	2	789	98	1393
ULS-6b-3`	2	3	918	47	1443
ULS-6b-4`	1	1	1020	179	683
ULS-6b-4`	1	2	873	42	808
ULS-6b-4`	2	1	1059	70	1117
ULS-6b-4`	2	2	925	85	1074
ULS-6b-4`	2	3	1015	45	1135
ULS-6b-5`	1	1	1051	167	614
ULS-6b-5`	1	2	920	42	724
ULS-6b-5`	2	1	1091	69	1006
ULS-6b-5`	2	2	967	83	974
ULS-6b-5`	2	3	1050	45	1026
ULS-6b-6`	1	1	1087	163	529
ULS-6b-6`	1	2	1014	55	554
ULS-6b-6`	2	1	1157	83	777
ULS-6b-6`	2	2	1051	96	775
ULS-6b-6`	2	3	1126	62	780
ULS-7-1`	1	1	-53	102	329
ULS-7-1`	1	2	-98	35	343
ULS-7-1`	2	1	-4	53	485
ULS-7-1`	2	2	-70	61	484
ULS-7-1`	2	3	-24	40	487
ULS-8-1`	1	1	-96	113	366
ULS-8-1`	1	2	-145	39	381
ULS-8-1`	2	1	-56	59	539
ULS-8-1`	2	2	-129	68	538
ULS-8-1`	2	3	-75	45	541
SpLS-1a-1`	1	2	-361	-78	805
SpLS-1a-1`	2	1	-194	-81	1102
SpLS-1a-1`	2	2	-326	-68	1068
SpLS-1a-1`	2	3	-223	-96	1085
SpLS-1a-2`	1	2	-178	-29	474

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-1a-2`	2	1	-67	-26	662
SpLS-1a-2`	2	2	-154	-19	657
SpLS-1a-2`	2	3	-83	-34	637
SpLS-1a-3`	1	2	-366	-79	814
SpLS-1a-3`	2	1	-197	-83	1112
SpLS-1a-3`	2	2	-327	-68	1071
SpLS-1a-3`	2	3	-230	-99	1108
SpLS-1a-4`	1	2	-240	-47	586
SpLS-1a-4`	2	1	-108	-46	804
SpLS-1a-4`	2	2	-198	-34	764
SpLS-1a-4`	2	3	-140	-61	819
SpLS-1a-5`	1	2	-194	-34	503
SpLS-1a-5`	2	1	-76	-31	692
SpLS-1a-5`	2	2	-155	-20	660
SpLS-1a-5`	2	3	-105	-45	707
SpLS-1a-6`	1	2	-89	28	307
SpLS-1a-6`	2	1	-3	42	432
SpLS-1a-6`	2	2	-62	50	431
SpLS-1a-6`	2	3	-21	30	433
SpLS-3-1`	1	2	-1473	56	3516
SpLS-3-1`	2	1	-629	110	4037
SpLS-3-1`	2	2	-1120	162	3913
SpLS-3-1`	2	3	-743	27	3990
SpLS-3-2`	1	2	-804	92	2317
SpLS-3-2`	2	1	-211	122	2602
SpLS-3-2`	2	2	-557	159	2583
SpLS-3-2`	2	3	-285	68	2533
SpLS-3-3`	1	2	-1495	56	3556
SpLS-3-3`	2	1	-640	110	4073
SpLS-3-3`	2	2	-1123	162	3920
SpLS-3-3`	2	3	-767	26	4068
SpLS-3-4`	1	2	-1024	75	2713
SpLS-3-4`	2	1	-342	114	3053
SpLS-3-4`	2	2	-701	156	2924
SpLS-3-4`	2	3	-466	47	3111
SpLS-3-5`	1	2	-861	86	2420
SpLS-3-5`	2	1	-240	120	2699
SpLS-3-5`	2	2	-562	159	2595
SpLS-3-5`	2	3	-355	59	2756
SpLS-3-6`	1	2	-522	178	1799
SpLS-3-6`	2	1	-18	201	1920
SpLS-3-6`	2	2	-280	235	1913
SpLS-3-6`	2	3	-98	150	1924
SpLS-4-1`	1	2	-375	35	818

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-4-1`	2	1	-204	60	1119
SpLS-4-1`	2	2	-339	74	1081
SpLS-4-1`	2	3	-233	34	1106
SpLS-4-2`	1	2	-185	26	481
SpLS-4-2`	2	1	-73	43	673
SpLS-4-2`	2	2	-162	53	668
SpLS-4-2`	2	3	-90	27	652
SpLS-4-3`	1	2	-380	35	827
SpLS-4-3`	2	1	-207	60	1129
SpLS-4-3`	2	2	-340	74	1084
SpLS-4-3`	2	3	-241	35	1130
SpLS-4-4`	1	2	-250	28	597
SpLS-4-4`	2	1	-115	48	818
SpLS-4-4`	2	2	-209	58	777
SpLS-4-4`	2	3	-147	30	836
SpLS-4-5`	1	2	-203	26	512
SpLS-4-5`	2	1	-83	44	706
SpLS-4-5`	2	2	-164	53	672
SpLS-4-5`	2	3	-112	28	725
SpLS-4-6`	1	2	-94	31	316
SpLS-4-6`	2	1	-7	47	444
SpLS-4-6`	2	2	-68	55	444
SpLS-4-6`	2	3	-26	35	447
SpLS-6a-1`	1	2	-457	58	1037
SpLS-6a-1`	2	1	-234	94	1430
SpLS-6a-1`	2	2	-410	113	1389
SpLS-6a-1`	2	3	-273	60	1415
SpLS-6a-2`	1	2	-264	48	694
SpLS-6a-2`	2	1	-101	76	978
SpLS-6a-2`	2	2	-231	91	971
SpLS-6a-2`	2	3	-129	53	957
SpLS-6a-3`	1	2	-463	58	1048
SpLS-6a-3`	2	1	-237	94	1442
SpLS-6a-3`	2	2	-411	113	1392
SpLS-6a-3`	2	3	-282	61	1441
SpLS-6a-4`	1	2	-327	50	807
SpLS-6a-4`	2	1	-141	80	1116
SpLS-6a-4`	2	2	-275	95	1073
SpLS-6a-4`	2	3	-185	54	1135
SpLS-6a-5`	1	2	-280	48	724
SpLS-6a-5`	2	1	-109	77	1005
SpLS-6a-5`	2	2	-233	91	973
SpLS-6a-5`	2	3	-150	53	1025
SpLS-6a-6`	1	2	-186	56	554

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-6a-6`	2	1	-43	83	777
SpLS-6a-6`	2	2	-149	96	775
SpLS-6a-6`	2	3	-74	63	780
SpLS-6b-1`	1	2	743	58	1037
SpLS-6b-1`	2	1	966	94	1430
SpLS-6b-1`	2	2	790	113	1389
SpLS-6b-1`	2	3	927	60	1415
SpLS-6b-2`	1	2	936	48	694
SpLS-6b-2`	2	1	1099	76	978
SpLS-6b-2`	2	2	969	91	971
SpLS-6b-2`	2	3	1071	53	957
SpLS-6b-3`	1	2	737	58	1048
SpLS-6b-3`	2	1	963	94	1442
SpLS-6b-3`	2	2	789	113	1392
SpLS-6b-3`	2	3	918	61	1441
SpLS-6b-4`	1	2	873	50	807
SpLS-6b-4`	2	1	1059	80	1116
SpLS-6b-4`	2	2	925	95	1073
SpLS-6b-4`	2	3	1015	54	1135
SpLS-6b-5`	1	2	920	48	724
SpLS-6b-5`	2	1	1091	77	1005
SpLS-6b-5`	2	2	967	91	973
SpLS-6b-5`	2	3	1050	53	1025
SpLS-6b-6`	1	2	1014	56	554
SpLS-6b-6`	2	1	1157	83	777
SpLS-6b-6`	2	2	1051	96	775
SpLS-6b-6`	2	3	1126	63	780
1SpLS-1a-1`	1	1	-287	85	858
1SpLS-1a-1`	2	1	-194	-81	1102
1SpLS-1a-1`	2	2	-326	-68	1068
1SpLS-1a-1`	2	3	-223	-96	1085
1SpLS-1a-2`	1	1	-181	70	615
1SpLS-1a-2`	2	1	-67	-26	662
1SpLS-1a-2`	2	2	-154	-19	657
1SpLS-1a-2`	2	3	-83	-34	637
1SpLS-1a-3`	1	1	-259	81	793
1SpLS-1a-3`	2	1	-197	-83	1112
1SpLS-1a-3`	2	2	-327	-68	1071
1SpLS-1a-3`	2	3	-230	-99	1108
1SpLS-1a-4`	1	1	-122	66	478
1SpLS-1a-4`	2	1	-108	-46	804
1SpLS-1a-4`	2	2	-198	-34	764
1SpLS-1a-4`	2	3	-140	-61	819
1SpLS-1a-5`	1	1	-89	65	400

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-1a-5`	2	1	-76	-31	692
1SpLS-1a-5`	2	2	-155	-20	660
1SpLS-1a-5`	2	3	-105	-45	707
1SpLS-1a-6`	1	1	-48	91	294
1SpLS-1a-6`	2	1	-3	42	432
1SpLS-1a-6`	2	2	-62	50	431
1SpLS-1a-6`	2	3	-21	30	433
1SpLS-3-1`	1	1	-1130	783	3642
1SpLS-3-1`	2	1	-629	110	4037
1SpLS-3-1`	2	2	-1120	162	3913
1SpLS-3-1`	2	3	-743	27	3990
1SpLS-3-2`	1	1	-734	626	2763
1SpLS-3-2`	2	1	-211	122	2602
1SpLS-3-2`	2	2	-557	159	2583
1SpLS-3-2`	2	3	-285	68	2533
1SpLS-3-3`	1	1	-1023	740	3406
1SpLS-3-3`	2	1	-640	110	4073
1SpLS-3-3`	2	2	-1123	162	3920
1SpLS-3-3`	2	3	-767	26	4068
1SpLS-3-4`	1	1	-522	550	2287
1SpLS-3-4`	2	1	-342	114	3053
1SpLS-3-4`	2	2	-701	156	2924
1SpLS-3-4`	2	3	-466	47	3111
1SpLS-3-5`	1	1	-413	518	2039
1SpLS-3-5`	2	1	-240	120	2699
1SpLS-3-5`	2	2	-562	159	2595
1SpLS-3-5`	2	3	-355	59	2756
1SpLS-3-6`	1	1	-284	533	1726
1SpLS-3-6`	2	1	-18	201	1920
1SpLS-3-6`	2	2	-280	235	1913
1SpLS-3-6`	2	3	-98	150	1924
1SpLS-4-1`	1	1	-299	206	847
1SpLS-4-1`	2	1	-204	60	1119
1SpLS-4-1`	2	2	-339	74	1081
1SpLS-4-1`	2	3	-233	34	1106
1SpLS-4-2`	1	1	-190	152	610
1SpLS-4-2`	2	1	-73	43	673
1SpLS-4-2`	2	2	-162	53	668
1SpLS-4-2`	2	3	-90	27	652
1SpLS-4-3`	1	1	-270	191	784
1SpLS-4-3`	2	1	-207	60	1129
1SpLS-4-3`	2	2	-340	74	1084
1SpLS-4-3`	2	3	-241	35	1130
1SpLS-4-4`	1	1	-128	121	475

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-4-4`	2	1	-115	48	818
1SpLS-4-4`	2	2	-209	58	777
1SpLS-4-4`	2	3	-147	30	836
1SpLS-4-5`	1	1	-95	106	402
1SpLS-4-5`	2	1	-83	44	706
1SpLS-4-5`	2	2	-164	53	672
1SpLS-4-5`	2	3	-112	28	725
1SpLS-4-6`	1	1	-51	93	302
1SpLS-4-6`	2	1	-7	47	444
1SpLS-4-6`	2	2	-68	55	444
1SpLS-4-6`	2	3	-26	35	447
1SpLS-6a-1`	1	1	-355	273	1064
1SpLS-6a-1`	2	1	-234	94	1430
1SpLS-6a-1`	2	2	-410	113	1389
1SpLS-6a-1`	2	3	-273	60	1415
1SpLS-6a-2`	1	1	-240	215	813
1SpLS-6a-2`	2	1	-101	76	978
1SpLS-6a-2`	2	2	-231	91	971
1SpLS-6a-2`	2	3	-129	53	957
1SpLS-6a-3`	1	1	-324	257	995
1SpLS-6a-3`	2	1	-237	94	1442
1SpLS-6a-3`	2	2	-411	113	1392
1SpLS-6a-3`	2	3	-282	61	1441
1SpLS-6a-4`	1	1	-180	185	681
1SpLS-6a-4`	2	1	-141	80	1116
1SpLS-6a-4`	2	2	-275	95	1073
1SpLS-6a-4`	2	3	-185	54	1135
1SpLS-6a-5`	1	1	-149	171	613
1SpLS-6a-5`	2	1	-109	77	1005
1SpLS-6a-5`	2	2	-233	91	973
1SpLS-6a-5`	2	3	-150	53	1025
1SpLS-6a-6`	1	1	-113	163	529
1SpLS-6a-6`	2	1	-43	83	777
1SpLS-6a-6`	2	2	-149	96	775
1SpLS-6a-6`	2	3	-74	63	780
1SpLS-6b-1`	1	1	845	273	1064
1SpLS-6b-1`	2	1	966	94	1430
1SpLS-6b-1`	2	2	790	113	1389
1SpLS-6b-1`	2	3	927	60	1415
1SpLS-6b-2`	1	1	960	215	813
1SpLS-6b-2`	2	1	1099	76	978
1SpLS-6b-2`	2	2	969	91	971
1SpLS-6b-2`	2	3	1071	53	957
1SpLS-6b-3`	1	1	876	257	995

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-6b-3`	2	1	963	94	1442
1SpLS-6b-3`	2	2	789	113	1392
1SpLS-6b-3`	2	3	918	61	1441
1SpLS-6b-4`	1	1	1020	185	681
1SpLS-6b-4`	2	1	1059	80	1116
1SpLS-6b-4`	2	2	925	95	1073
1SpLS-6b-4`	2	3	1015	54	1135
1SpLS-6b-5`	1	1	1051	171	613
1SpLS-6b-5`	2	1	1091	77	1005
1SpLS-6b-5`	2	2	967	91	973
1SpLS-6b-5`	2	3	1050	53	1025
1SpLS-6b-6`	1	1	1087	163	529
1SpLS-6b-6`	2	1	1157	83	777
1SpLS-6b-6`	2	2	1051	96	775
1SpLS-6b-6`	2	3	1126	63	780
2SpLS-1a-1`	1	1	-287	85	858
2SpLS-1a-1`	1	2	-361	-78	805
2SpLS-1a-1`	2	1	-194	-81	1102
2SpLS-1a-1`	2	2	-326	-68	1068
2SpLS-1a-1`	2	3	-223	-96	1085
2SpLS-1a-2`	1	1	-181	70	615
2SpLS-1a-2`	1	2	-178	-29	474
2SpLS-1a-2`	2	1	-67	-26	662
2SpLS-1a-2`	2	2	-154	-19	657
2SpLS-1a-2`	2	3	-83	-34	637
2SpLS-1a-3`	1	1	-259	81	793
2SpLS-1a-3`	1	2	-366	-79	814
2SpLS-1a-3`	2	1	-197	-83	1112
2SpLS-1a-3`	2	2	-327	-68	1071
2SpLS-1a-3`	2	3	-230	-99	1108
2SpLS-1a-4`	1	1	-122	66	478
2SpLS-1a-4`	1	2	-240	-47	586
2SpLS-1a-4`	2	1	-108	-46	804
2SpLS-1a-4`	2	2	-198	-34	764
2SpLS-1a-4`	2	3	-140	-61	819
2SpLS-1a-5`	1	1	-89	65	400
2SpLS-1a-5`	1	2	-194	-34	503
2SpLS-1a-5`	2	1	-76	-31	692
2SpLS-1a-5`	2	2	-155	-20	660
2SpLS-1a-5`	2	3	-105	-45	707
2SpLS-1a-6`	1	1	-48	91	294
2SpLS-1a-6`	1	2	-89	28	307
2SpLS-1a-6`	2	1	-3	42	432
2SpLS-1a-6`	2	2	-62	50	431

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-1a-6`	2	3	-21	30	433
2SpLS-3-1`	1	1	-1130	783	3642
2SpLS-3-1`	1	2	-1473	56	3516
2SpLS-3-1`	2	1	-629	110	4037
2SpLS-3-1`	2	2	-1120	162	3913
2SpLS-3-1`	2	3	-743	27	3990
2SpLS-3-2`	1	1	-734	626	2763
2SpLS-3-2`	1	2	-804	92	2317
2SpLS-3-2`	2	1	-211	122	2602
2SpLS-3-2`	2	2	-557	159	2583
2SpLS-3-2`	2	3	-285	68	2533
2SpLS-3-3`	1	1	-1023	740	3406
2SpLS-3-3`	1	2	-1495	56	3556
2SpLS-3-3`	2	1	-640	110	4073
2SpLS-3-3`	2	2	-1123	162	3920
2SpLS-3-3`	2	3	-767	26	4068
2SpLS-3-4`	1	1	-522	550	2287
2SpLS-3-4`	1	2	-1024	75	2713
2SpLS-3-4`	2	1	-342	114	3053
2SpLS-3-4`	2	2	-701	156	2924
2SpLS-3-4`	2	3	-466	47	3111
2SpLS-3-5`	1	1	-413	518	2039
2SpLS-3-5`	1	2	-861	86	2420
2SpLS-3-5`	2	1	-240	120	2699
2SpLS-3-5`	2	2	-562	159	2595
2SpLS-3-5`	2	3	-355	59	2756
2SpLS-3-6`	1	1	-284	533	1726
2SpLS-3-6`	1	2	-522	178	1799
2SpLS-3-6`	2	1	-18	201	1920
2SpLS-3-6`	2	2	-280	235	1913
2SpLS-3-6`	2	3	-98	150	1924
2SpLS-4-1`	1	1	-299	206	847
2SpLS-4-1`	1	2	-375	35	818
2SpLS-4-1`	2	1	-204	60	1119
2SpLS-4-1`	2	2	-339	74	1081
2SpLS-4-1`	2	3	-233	34	1106
2SpLS-4-2`	1	1	-190	152	610
2SpLS-4-2`	1	2	-185	26	481
2SpLS-4-2`	2	1	-73	43	673
2SpLS-4-2`	2	2	-162	53	668
2SpLS-4-2`	2	3	-90	27	652
2SpLS-4-3`	1	1	-270	191	784
2SpLS-4-3`	1	2	-380	35	827
2SpLS-4-3`	2	1	-207	60	1129

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-4-3`	2	2	-340	74	1084
2SpLS-4-3`	2	3	-241	35	1130
2SpLS-4-4`	1	1	-128	121	475
2SpLS-4-4`	1	2	-250	28	597
2SpLS-4-4`	2	1	-115	48	818
2SpLS-4-4`	2	2	-209	58	777
2SpLS-4-4`	2	3	-147	30	836
2SpLS-4-5`	1	1	-95	106	402
2SpLS-4-5`	1	2	-203	26	512
2SpLS-4-5`	2	1	-83	44	706
2SpLS-4-5`	2	2	-164	53	672
2SpLS-4-5`	2	3	-112	28	725
2SpLS-4-6`	1	1	-51	93	302
2SpLS-4-6`	1	2	-94	31	316
2SpLS-4-6`	2	1	-7	47	444
2SpLS-4-6`	2	2	-68	55	444
2SpLS-4-6`	2	3	-26	35	447
2SpLS-6a-1`	1	1	-355	273	1064
2SpLS-6a-1`	1	2	-457	58	1037
2SpLS-6a-1`	2	1	-234	94	1430
2SpLS-6a-1`	2	2	-410	113	1389
2SpLS-6a-1`	2	3	-273	60	1415
2SpLS-6a-2`	1	1	-240	215	813
2SpLS-6a-2`	1	2	-264	48	694
2SpLS-6a-2`	2	1	-101	76	978
2SpLS-6a-2`	2	2	-231	91	971
2SpLS-6a-2`	2	3	-129	53	957
2SpLS-6a-3`	1	1	-324	257	995
2SpLS-6a-3`	1	2	-463	58	1048
2SpLS-6a-3`	2	1	-237	94	1442
2SpLS-6a-3`	2	2	-411	113	1392
2SpLS-6a-3`	2	3	-282	61	1441
2SpLS-6a-4`	1	1	-180	185	681
2SpLS-6a-4`	1	2	-327	50	807
2SpLS-6a-4`	2	1	-141	80	1116
2SpLS-6a-4`	2	2	-275	95	1073
2SpLS-6a-4`	2	3	-185	54	1135
2SpLS-6a-5`	1	1	-149	171	613
2SpLS-6a-5`	1	2	-280	48	724
2SpLS-6a-5`	2	1	-109	77	1005
2SpLS-6a-5`	2	2	-233	91	973
2SpLS-6a-5`	2	3	-150	53	1025
2SpLS-6a-6`	1	1	-113	163	529
2SpLS-6a-6`	1	2	-186	56	554

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-6a-6`	2	1	-43	83	777
2SpLS-6a-6`	2	2	-149	96	775
2SpLS-6a-6`	2	3	-74	63	780
2SpLS-6b-1`	1	1	845	273	1064
2SpLS-6b-1`	1	2	743	58	1037
2SpLS-6b-1`	2	1	966	94	1430
2SpLS-6b-1`	2	2	790	113	1389
2SpLS-6b-1`	2	3	927	60	1415
2SpLS-6b-2`	1	1	960	215	813
2SpLS-6b-2`	1	2	936	48	694
2SpLS-6b-2`	2	1	1099	76	978
2SpLS-6b-2`	2	2	969	91	971
2SpLS-6b-2`	2	3	1071	53	957
2SpLS-6b-3`	1	1	876	257	995
2SpLS-6b-3`	1	2	737	58	1048
2SpLS-6b-3`	2	1	963	94	1442
2SpLS-6b-3`	2	2	789	113	1392
2SpLS-6b-3`	2	3	918	61	1441
2SpLS-6b-4`	1	1	1020	185	681
2SpLS-6b-4`	1	2	873	50	807
2SpLS-6b-4`	2	1	1059	80	1116
2SpLS-6b-4`	2	2	925	95	1073
2SpLS-6b-4`	2	3	1015	54	1135
2SpLS-6b-5`	1	1	1051	171	613
2SpLS-6b-5`	1	2	920	48	724
2SpLS-6b-5`	2	1	1091	77	1005
2SpLS-6b-5`	2	2	967	91	973
2SpLS-6b-5`	2	3	1050	53	1025
2SpLS-6b-6`	1	1	1087	163	529
2SpLS-6b-6`	1	2	1014	56	554
2SpLS-6b-6`	2	1	1157	83	777
2SpLS-6b-6`	2	2	1051	96	775
2SpLS-6b-6`	2	3	1126	63	780
3SpLS-1a-1`	1	1	-287	85	858
3SpLS-1a-1`	1	2	-361	-78	805
3SpLS-1a-1`	2	1	-194	-81	1102
3SpLS-1a-1`	2	2	-326	-68	1068
3SpLS-1a-1`	2	3	-223	-96	1085
3SpLS-1a-2`	1	1	-181	70	615
3SpLS-1a-2`	1	2	-178	-29	474
3SpLS-1a-2`	2	1	-67	-26	662
3SpLS-1a-2`	2	2	-154	-19	657
3SpLS-1a-2`	2	3	-83	-34	637
3SpLS-1a-3`	1	1	-259	81	793

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-1a-3`	1	2	-366	-79	814
3SpLS-1a-3`	2	1	-197	-83	1112
3SpLS-1a-3`	2	2	-327	-68	1071
3SpLS-1a-3`	2	3	-230	-99	1108
3SpLS-1a-4`	1	1	-122	66	478
3SpLS-1a-4`	1	2	-240	-47	586
3SpLS-1a-4`	2	1	-108	-46	804
3SpLS-1a-4`	2	2	-198	-34	764
3SpLS-1a-4`	2	3	-140	-61	819
3SpLS-1a-5`	1	1	-89	65	400
3SpLS-1a-5`	1	2	-194	-34	503
3SpLS-1a-5`	2	1	-76	-31	692
3SpLS-1a-5`	2	2	-155	-20	660
3SpLS-1a-5`	2	3	-105	-45	707
3SpLS-1a-6`	1	1	-48	91	294
3SpLS-1a-6`	1	2	-89	28	307
3SpLS-1a-6`	2	1	-3	42	432
3SpLS-1a-6`	2	2	-62	50	431
3SpLS-1a-6`	2	3	-21	30	433
3SpLS-3-1`	1	1	-1130	783	3642
3SpLS-3-1`	1	2	-1473	56	3516
3SpLS-3-1`	2	1	-629	110	4037
3SpLS-3-1`	2	2	-1120	162	3913
3SpLS-3-1`	2	3	-743	27	3990
3SpLS-3-2`	1	1	-734	626	2763
3SpLS-3-2`	1	2	-804	92	2317
3SpLS-3-2`	2	1	-211	122	2602
3SpLS-3-2`	2	2	-557	159	2583
3SpLS-3-2`	2	3	-285	68	2533
3SpLS-3-3`	1	1	-1023	740	3406
3SpLS-3-3`	1	2	-1495	56	3556
3SpLS-3-3`	2	1	-640	110	4073
3SpLS-3-3`	2	2	-1123	162	3920
3SpLS-3-3`	2	3	-767	26	4068
3SpLS-3-4`	1	1	-522	550	2287
3SpLS-3-4`	1	2	-1024	75	2713
3SpLS-3-4`	2	1	-342	114	3053
3SpLS-3-4`	2	2	-701	156	2924
3SpLS-3-4`	2	3	-466	47	3111
3SpLS-3-5`	1	1	-413	518	2039
3SpLS-3-5`	1	2	-861	86	2420
3SpLS-3-5`	2	1	-240	120	2699
3SpLS-3-5`	2	2	-562	159	2595
3SpLS-3-5`	2	3	-355	59	2756

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-3-6`	1	1	-284	533	1726
3SpLS-3-6`	1	2	-522	178	1799
3SpLS-3-6`	2	1	-18	201	1920
3SpLS-3-6`	2	2	-280	235	1913
3SpLS-3-6`	2	3	-98	150	1924
3SpLS-4-1`	1	1	-299	206	847
3SpLS-4-1`	1	2	-375	35	818
3SpLS-4-1`	2	1	-204	60	1119
3SpLS-4-1`	2	2	-339	74	1081
3SpLS-4-1`	2	3	-233	34	1106
3SpLS-4-2`	1	1	-190	152	610
3SpLS-4-2`	1	2	-185	26	481
3SpLS-4-2`	2	1	-73	43	673
3SpLS-4-2`	2	2	-162	53	668
3SpLS-4-2`	2	3	-90	27	652
3SpLS-4-3`	1	1	-270	191	784
3SpLS-4-3`	1	2	-380	35	827
3SpLS-4-3`	2	1	-207	60	1129
3SpLS-4-3`	2	2	-340	74	1084
3SpLS-4-3`	2	3	-241	35	1130
3SpLS-4-4`	1	1	-128	121	475
3SpLS-4-4`	1	2	-250	28	597
3SpLS-4-4`	2	1	-115	48	818
3SpLS-4-4`	2	2	-209	58	777
3SpLS-4-4`	2	3	-147	30	836
3SpLS-4-5`	1	1	-95	106	402
3SpLS-4-5`	1	2	-203	26	512
3SpLS-4-5`	2	1	-83	44	706
3SpLS-4-5`	2	2	-164	53	672
3SpLS-4-5`	2	3	-112	28	725
3SpLS-4-6`	1	1	-51	93	302
3SpLS-4-6`	1	2	-94	31	316
3SpLS-4-6`	2	1	-7	47	444
3SpLS-4-6`	2	2	-68	55	444
3SpLS-4-6`	2	3	-26	35	447
3SpLS-6a-1`	1	1	-355	273	1064
3SpLS-6a-1`	1	2	-457	58	1037
3SpLS-6a-1`	2	1	-234	94	1430
3SpLS-6a-1`	2	2	-410	113	1389
3SpLS-6a-1`	2	3	-273	60	1415
3SpLS-6a-2`	1	1	-240	215	813
3SpLS-6a-2`	1	2	-264	48	694
3SpLS-6a-2`	2	1	-101	76	978
3SpLS-6a-2`	2	2	-231	91	971

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-6a-2`	2	3	-129	53	957
3SpLS-6a-3`	1	1	-324	257	995
3SpLS-6a-3`	1	2	-463	58	1048
3SpLS-6a-3`	2	1	-237	94	1442
3SpLS-6a-3`	2	2	-411	113	1392
3SpLS-6a-3`	2	3	-282	61	1441
3SpLS-6a-4`	1	1	-180	185	681
3SpLS-6a-4`	1	2	-327	50	807
3SpLS-6a-4`	2	1	-141	80	1116
3SpLS-6a-4`	2	2	-275	95	1073
3SpLS-6a-4`	2	3	-185	54	1135
3SpLS-6a-5`	1	1	-149	171	613
3SpLS-6a-5`	1	2	-280	48	724
3SpLS-6a-5`	2	1	-109	77	1005
3SpLS-6a-5`	2	2	-233	91	973
3SpLS-6a-5`	2	3	-150	53	1025
3SpLS-6a-6`	1	1	-113	163	529
3SpLS-6a-6`	1	2	-186	56	554
3SpLS-6a-6`	2	1	-43	83	777
3SpLS-6a-6`	2	2	-149	96	775
3SpLS-6a-6`	2	3	-74	63	780
3SpLS-6b-1`	1	1	845	273	1064
3SpLS-6b-1`	1	2	743	58	1037
3SpLS-6b-1`	2	1	966	94	1430
3SpLS-6b-1`	2	2	790	113	1389
3SpLS-6b-1`	2	3	927	60	1415
3SpLS-6b-2`	1	1	960	215	813
3SpLS-6b-2`	1	2	936	48	694
3SpLS-6b-2`	2	1	1099	76	978
3SpLS-6b-2`	2	2	969	91	971
3SpLS-6b-2`	2	3	1071	53	957
3SpLS-6b-3`	1	1	876	257	995
3SpLS-6b-3`	1	2	737	58	1048
3SpLS-6b-3`	2	1	963	94	1442
3SpLS-6b-3`	2	2	789	113	1392
3SpLS-6b-3`	2	3	918	61	1441
3SpLS-6b-4`	1	1	1020	185	681
3SpLS-6b-4`	1	2	873	50	807
3SpLS-6b-4`	2	1	1059	80	1116
3SpLS-6b-4`	2	2	925	95	1073
3SpLS-6b-4`	2	3	1015	54	1135
3SpLS-6b-5`	1	1	1051	171	613
3SpLS-6b-5`	1	2	920	48	724
3SpLS-6b-5`	2	1	1091	77	1005

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-6b-5`	2	2	967	91	973
3SpLS-6b-5`	2	3	1050	53	1025
3SpLS-6b-6`	1	1	1087	163	529
3SpLS-6b-6`	1	2	1014	56	554
3SpLS-6b-6`	2	1	1157	83	777
3SpLS-6b-6`	2	2	1051	96	775
3SpLS-6b-6`	2	3	1126	63	780
4SpLS-1a-1`	2	1	-194	-81	1102
4SpLS-1a-1`	2	2	-326	-68	1068
4SpLS-1a-1`	2	3	-223	-96	1085
4SpLS-1a-2`	2	1	-67	-26	662
4SpLS-1a-2`	2	2	-154	-19	657
4SpLS-1a-2`	2	3	-83	-34	637
4SpLS-1a-3`	2	1	-197	-83	1112
4SpLS-1a-3`	2	2	-327	-68	1071
4SpLS-1a-3`	2	3	-230	-99	1108
4SpLS-1a-4`	2	1	-108	-46	804
4SpLS-1a-4`	2	2	-198	-34	764
4SpLS-1a-4`	2	3	-140	-61	819
4SpLS-1a-5`	2	1	-76	-31	692
4SpLS-1a-5`	2	2	-155	-20	660
4SpLS-1a-5`	2	3	-105	-45	707
4SpLS-1a-6`	2	1	-3	42	432
4SpLS-1a-6`	2	2	-62	50	431
4SpLS-1a-6`	2	3	-21	30	433
4SpLS-3-1`	2	1	-629	110	4037
4SpLS-3-1`	2	2	-1120	162	3913
4SpLS-3-1`	2	3	-743	27	3990
4SpLS-3-2`	2	1	-211	122	2602
4SpLS-3-2`	2	2	-557	159	2583
4SpLS-3-2`	2	3	-285	68	2533
4SpLS-3-3`	2	1	-640	110	4073
4SpLS-3-3`	2	2	-1123	162	3920
4SpLS-3-3`	2	3	-767	26	4068
4SpLS-3-4`	2	1	-342	114	3053
4SpLS-3-4`	2	2	-701	156	2924
4SpLS-3-4`	2	3	-466	47	3111
4SpLS-3-5`	2	1	-240	120	2699
4SpLS-3-5`	2	2	-562	159	2595
4SpLS-3-5`	2	3	-355	59	2756
4SpLS-3-6`	2	1	-18	201	1920
4SpLS-3-6`	2	2	-280	235	1913
4SpLS-3-6`	2	3	-98	150	1924
4SpLS-4-1`	2	1	-204	60	1119

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-4-1`	2	2	-339	74	1081
4SpLS-4-1`	2	3	-233	34	1106
4SpLS-4-2`	2	1	-73	43	673
4SpLS-4-2`	2	2	-162	53	668
4SpLS-4-2`	2	3	-90	27	652
4SpLS-4-3`	2	1	-207	60	1129
4SpLS-4-3`	2	2	-340	74	1084
4SpLS-4-3`	2	3	-241	35	1130
4SpLS-4-4`	2	1	-115	48	818
4SpLS-4-4`	2	2	-209	58	777
4SpLS-4-4`	2	3	-147	30	836
4SpLS-4-5`	2	1	-83	44	706
4SpLS-4-5`	2	2	-164	53	672
4SpLS-4-5`	2	3	-112	28	725
4SpLS-4-6`	2	1	-7	47	444
4SpLS-4-6`	2	2	-68	55	444
4SpLS-4-6`	2	3	-26	35	447
4SpLS-6a-1`	2	1	-234	94	1430
4SpLS-6a-1`	2	2	-410	113	1389
4SpLS-6a-1`	2	3	-273	60	1415
4SpLS-6a-2`	2	1	-101	76	978
4SpLS-6a-2`	2	2	-231	91	971
4SpLS-6a-2`	2	3	-129	53	957
4SpLS-6a-3`	2	1	-237	94	1442
4SpLS-6a-3`	2	2	-411	113	1392
4SpLS-6a-3`	2	3	-282	61	1441
4SpLS-6a-4`	2	1	-141	80	1116
4SpLS-6a-4`	2	2	-275	95	1073
4SpLS-6a-4`	2	3	-185	54	1135
4SpLS-6a-5`	2	1	-109	77	1005
4SpLS-6a-5`	2	2	-233	91	973
4SpLS-6a-5`	2	3	-150	53	1025
4SpLS-6a-6`	2	1	-43	83	777
4SpLS-6a-6`	2	2	-149	96	775
4SpLS-6a-6`	2	3	-74	63	780
4SpLS-6b-1`	2	1	966	94	1430
4SpLS-6b-1`	2	2	790	113	1389
4SpLS-6b-1`	2	3	927	60	1415
4SpLS-6b-2`	2	1	1099	76	978
4SpLS-6b-2`	2	2	969	91	971
4SpLS-6b-2`	2	3	1071	53	957
4SpLS-6b-3`	2	1	963	94	1442
4SpLS-6b-3`	2	2	789	113	1392
4SpLS-6b-3`	2	3	918	61	1441

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-6b-4`	2	1	1059	80	1116
4SpLS-6b-4`	2	2	925	95	1073
4SpLS-6b-4`	2	3	1015	54	1135
4SpLS-6b-5`	2	1	1091	77	1005
4SpLS-6b-5`	2	2	967	91	973
4SpLS-6b-5`	2	3	1050	53	1025
4SpLS-6b-6`	2	1	1157	83	777
4SpLS-6b-6`	2	2	1051	96	775
4SpLS-6b-6`	2	3	1126	63	780
5SpLS-1a-1`	1	1	-287	85	858
5SpLS-1a-1`	1	2	-361	-78	805
5SpLS-1a-1`	2	1	-194	-81	1102
5SpLS-1a-1`	2	2	-326	-68	1068
5SpLS-1a-1`	2	3	-223	-96	1085
5SpLS-1a-2`	1	1	-181	70	615
5SpLS-1a-2`	1	2	-178	-29	474
5SpLS-1a-2`	2	1	-67	-26	662
5SpLS-1a-2`	2	2	-154	-19	657
5SpLS-1a-2`	2	3	-83	-34	637
5SpLS-1a-3`	1	1	-259	81	793
5SpLS-1a-3`	1	2	-366	-79	814
5SpLS-1a-3`	2	1	-197	-83	1112
5SpLS-1a-3`	2	2	-327	-68	1071
5SpLS-1a-3`	2	3	-230	-99	1108
5SpLS-1a-4`	1	1	-122	66	478
5SpLS-1a-4`	1	2	-240	-47	586
5SpLS-1a-4`	2	1	-108	-46	804
5SpLS-1a-4`	2	2	-198	-34	764
5SpLS-1a-4`	2	3	-140	-61	819
5SpLS-1a-5`	1	1	-89	65	400
5SpLS-1a-5`	1	2	-194	-34	503
5SpLS-1a-5`	2	1	-76	-31	692
5SpLS-1a-5`	2	2	-155	-20	660
5SpLS-1a-5`	2	3	-105	-45	707
5SpLS-1a-6`	1	1	-48	91	294
5SpLS-1a-6`	1	2	-89	28	307
5SpLS-1a-6`	2	1	-3	42	432
5SpLS-1a-6`	2	2	-62	50	431
5SpLS-1a-6`	2	3	-21	30	433
5SpLS-3-1`	1	1	-1130	783	3642
5SpLS-3-1`	1	2	-1473	56	3516
5SpLS-3-1`	2	1	-629	110	4037
5SpLS-3-1`	2	2	-1120	162	3913
5SpLS-3-1`	2	3	-743	27	3990

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-3-2`	1	1	-734	626	2763
5SpLS-3-2`	1	2	-804	92	2317
5SpLS-3-2`	2	1	-211	122	2602
5SpLS-3-2`	2	2	-557	159	2583
5SpLS-3-2`	2	3	-285	68	2533
5SpLS-3-3`	1	1	-1023	740	3406
5SpLS-3-3`	1	2	-1495	56	3556
5SpLS-3-3`	2	1	-640	110	4073
5SpLS-3-3`	2	2	-1123	162	3920
5SpLS-3-3`	2	3	-767	26	4068
5SpLS-3-4`	1	1	-522	550	2287
5SpLS-3-4`	1	2	-1024	75	2713
5SpLS-3-4`	2	1	-342	114	3053
5SpLS-3-4`	2	2	-701	156	2924
5SpLS-3-4`	2	3	-466	47	3111
5SpLS-3-5`	1	1	-413	518	2039
5SpLS-3-5`	1	2	-861	86	2420
5SpLS-3-5`	2	1	-240	120	2699
5SpLS-3-5`	2	2	-562	159	2595
5SpLS-3-5`	2	3	-355	59	2756
5SpLS-3-6`	1	1	-284	533	1726
5SpLS-3-6`	1	2	-522	178	1799
5SpLS-3-6`	2	1	-18	201	1920
5SpLS-3-6`	2	2	-280	235	1913
5SpLS-3-6`	2	3	-98	150	1924
5SpLS-4-1`	1	1	-299	206	847
5SpLS-4-1`	1	2	-375	35	818
5SpLS-4-1`	2	1	-204	60	1119
5SpLS-4-1`	2	2	-339	74	1081
5SpLS-4-1`	2	3	-233	34	1106
5SpLS-4-2`	1	1	-190	152	610
5SpLS-4-2`	1	2	-185	26	481
5SpLS-4-2`	2	1	-73	43	673
5SpLS-4-2`	2	2	-162	53	668
5SpLS-4-2`	2	3	-90	27	652
5SpLS-4-3`	1	1	-270	191	784
5SpLS-4-3`	1	2	-380	35	827
5SpLS-4-3`	2	1	-207	60	1129
5SpLS-4-3`	2	2	-340	74	1084
5SpLS-4-3`	2	3	-241	35	1130
5SpLS-4-4`	1	1	-128	121	475
5SpLS-4-4`	1	2	-250	28	597
5SpLS-4-4`	2	1	-115	48	818
5SpLS-4-4`	2	2	-209	58	777

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-4-4`	2	3	-147	30	836
5SpLS-4-5`	1	1	-95	106	402
5SpLS-4-5`	1	2	-203	26	512
5SpLS-4-5`	2	1	-83	44	706
5SpLS-4-5`	2	2	-164	53	672
5SpLS-4-5`	2	3	-112	28	725
5SpLS-4-6`	1	1	-51	93	302
5SpLS-4-6`	1	2	-94	31	316
5SpLS-4-6`	2	1	-7	47	444
5SpLS-4-6`	2	2	-68	55	444
5SpLS-4-6`	2	3	-26	35	447
5SpLS-6a-1`	1	1	-355	273	1064
5SpLS-6a-1`	1	2	-457	58	1037
5SpLS-6a-1`	2	1	-234	94	1430
5SpLS-6a-1`	2	2	-410	113	1389
5SpLS-6a-1`	2	3	-273	60	1415
5SpLS-6a-2`	1	1	-240	215	813
5SpLS-6a-2`	1	2	-264	48	694
5SpLS-6a-2`	2	1	-101	76	978
5SpLS-6a-2`	2	2	-231	91	971
5SpLS-6a-2`	2	3	-129	53	957
5SpLS-6a-3`	1	1	-324	257	995
5SpLS-6a-3`	1	2	-463	58	1048
5SpLS-6a-3`	2	1	-237	94	1442
5SpLS-6a-3`	2	2	-411	113	1392
5SpLS-6a-3`	2	3	-282	61	1441
5SpLS-6a-4`	1	1	-180	185	681
5SpLS-6a-4`	1	2	-327	50	807
5SpLS-6a-4`	2	1	-141	80	1116
5SpLS-6a-4`	2	2	-275	95	1073
5SpLS-6a-4`	2	3	-185	54	1135
5SpLS-6a-5`	1	1	-149	171	613
5SpLS-6a-5`	1	2	-280	48	724
5SpLS-6a-5`	2	1	-109	77	1005
5SpLS-6a-5`	2	2	-233	91	973
5SpLS-6a-5`	2	3	-150	53	1025
5SpLS-6a-6`	1	1	-113	163	529
5SpLS-6a-6`	1	2	-186	56	554
5SpLS-6a-6`	2	1	-43	83	777
5SpLS-6a-6`	2	2	-149	96	775
5SpLS-6a-6`	2	3	-74	63	780
5SpLS-6b-1`	1	1	845	273	1064
5SpLS-6b-1`	1	2	743	58	1037
5SpLS-6b-1`	2	1	966	94	1430

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-6b-1`	2	2	790	113	1389
5SpLS-6b-1`	2	3	927	60	1415
5SpLS-6b-2`	1	1	960	215	813
5SpLS-6b-2`	1	2	936	48	694
5SpLS-6b-2`	2	1	1099	76	978
5SpLS-6b-2`	2	2	969	91	971
5SpLS-6b-2`	2	3	1071	53	957
5SpLS-6b-3`	1	1	876	257	995
5SpLS-6b-3`	1	2	737	58	1048
5SpLS-6b-3`	2	1	963	94	1442
5SpLS-6b-3`	2	2	789	113	1392
5SpLS-6b-3`	2	3	918	61	1441
5SpLS-6b-4`	1	1	1020	185	681
5SpLS-6b-4`	1	2	873	50	807
5SpLS-6b-4`	2	1	1059	80	1116
5SpLS-6b-4`	2	2	925	95	1073
5SpLS-6b-4`	2	3	1015	54	1135
5SpLS-6b-5`	1	1	1051	171	613
5SpLS-6b-5`	1	2	920	48	724
5SpLS-6b-5`	2	1	1091	77	1005
5SpLS-6b-5`	2	2	967	91	973
5SpLS-6b-5`	2	3	1050	53	1025
5SpLS-6b-6`	1	1	1087	163	529
5SpLS-6b-6`	1	2	1014	56	554
5SpLS-6b-6`	2	1	1157	83	777
5SpLS-6b-6`	2	2	1051	96	775
5SpLS-6b-6`	2	3	1126	63	780
SeLS-1a-1`	1	1	-239	-2	738
SeLS-1a-1`	1	2	-301	-136	678
SeLS-1a-1`	2	1	-162	-157	928
SeLS-1a-1`	2	2	-271	-146	902
SeLS-1a-1`	2	3	-186	-163	911
SeLS-1a-2`	1	1	-151	10	528
SeLS-1a-2`	1	2	-148	-58	398
SeLS-1a-2`	2	1	-56	-65	556
SeLS-1a-2`	2	2	-128	-61	553
SeLS-1a-2`	2	3	-69	-67	534
SeLS-1a-3`	1	1	-216	0	682
SeLS-1a-3`	1	2	-305	-139	686
SeLS-1a-3`	2	1	-164	-159	937
SeLS-1a-3`	2	2	-272	-147	904
SeLS-1a-3`	2	3	-192	-167	930
SeLS-1a-4`	1	1	-102	21	409
SeLS-1a-4`	1	2	-200	-87	493

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)	
SeLS-1a-4`	2	1	-90	-98	676	
SeLS-1a-4`	2	2	-165	-86	644	
SeLS-1a-4`	2	3	-116	-108	687	
SeLS-1a-5`	1	1	-74	30	341	
SeLS-1a-5`	1	2	-162	-66	423	
SeLS-1a-5`	2	1	-63	-73	582	
SeLS-1a-5`	2	2	-129	-62	555	
SeLS-1a-5`	2	3	-87	-84	593	
SeLS-1a-5`	1	1	-40	76	245	
SeLS-1a-5`	1	2	-74	21	256	
SeLS-1a-5`	2	1	-3	33	360	
SeLS-1a-5`	2	2	-52	40	359	
SeLS-1a-5`	2	3	-18	22	361	
SeLS-3-1`	1	1	-941	652	3035	3,0
SeLS-3-1`	1	2	-1228	47	2930	2,9
SeLS-3-1`	2	1	-525	92	3364	3,4
SeLS-3-1`	2	2	-933	135	3261	3,3
SeLS-3-1`	2	3	-619	23	3325	3,3
SeLS-3-2`	1	1	-612	522	2303	
SeLS-3-2`	1	2	-670	76	1931	
SeLS-3-2`	2	1	-176	102	2168	
SeLS-3-2`	2	2	-464	133	2153	
SeLS-3-2`	2	3	-237	57	2111	
SeLS-3-3`	1	1	-852	616	2838	
SeLS-3-3`	1	2	-1246	46	2963	
SeLS-3-3`	2	1	-533	92	3394	
SeLS-3-3`	2	2	-936	135	3267	
SeLS-3-3`	2	3	-639	21	3390	
SeLS-3-4`	1	1	-435	458	1906	
SeLS-3-4`	1	2	-853	63	2261	
SeLS-3-4`	2	1	-285	95	2544	
SeLS-3-4`	2	2	-584	130	2437	
SeLS-3-4`	2	3	-388	39	2593	
SeLS-3-5`	1	1	-345	432	1700	
SeLS-3-5`	1	2	-717	72	2017	
SeLS-3-5`	2	1	-200	100	2249	
SeLS-3-5`	2	2	-468	132	2162	
SeLS-3-5`	2	3	-295	49	2297	
SeLS-3-6`	1	1	-237	444	1438	
SeLS-3-6`	1	2	-435	148	1499	
SeLS-3-6`	2	1	-15	167	1600	
SeLS-3-6`	2	2	-234	195	1594	
SeLS-3-6`	2	3	-81	125	1604	
SeLS-4-1`	1	1	-249	172	706	

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-4-1`	1	2	-312	29	681
SeLS-4-1`	2	1	-170	50	933
SeLS-4-1`	2	2	-282	61	901
SeLS-4-1`	2	3	-194	29	921
SeLS-4-2`	1	1	-158	126	509
SeLS-4-2`	1	2	-154	21	401
SeLS-4-2`	2	1	-61	36	561
SeLS-4-2`	2	2	-135	44	557
SeLS-4-2`	2	3	-75	23	543
SeLS-4-3`	1	1	-225	160	653
SeLS-4-3`	1	2	-317	29	689
SeLS-4-3`	2	1	-172	50	941
SeLS-4-3`	2	2	-283	62	903
SeLS-4-3`	2	3	-201	29	942
SeLS-4-4`	1	1	-107	101	396
SeLS-4-4`	1	2	-209	24	497
SeLS-4-4`	2	1	-96	40	682
SeLS-4-4`	2	2	-174	48	648
SeLS-4-4`	2	3	-123	25	696
SeLS-4-5`	1	1	-79	88	335
SeLS-4-5`	1	2	-169	22	427
SeLS-4-5`	2	1	-69	37	588
SeLS-4-5`	2	2	-136	44	560
SeLS-4-5`	2	3	-94	23	604
SeLS-4-6`	1	1	-43	78	251
SeLS-4-6`	1	2	-78	26	264
SeLS-4-6`	2	1	-6	39	370
SeLS-4-6`	2	2	-57	46	370
SeLS-4-6`	2	3	-21	29	373
SeLS-6a-1`	1	1	-296	228	886
SeLS-6a-1`	1	2	-381	48	864
SeLS-6a-1`	2	1	-195	78	1191
SeLS-6a-1`	2	2	-342	94	1157
SeLS-6a-1`	2	3	-228	50	1179
SeLS-6a-2`	1	1	-200	179	678
SeLS-6a-2`	1	2	-220	40	578
SeLS-6a-2`	2	1	-84	63	815
SeLS-6a-2`	2	2	-193	76	809
SeLS-6a-2`	2	3	-107	44	798
SeLS-6a-3`	1	1	-270	214	829
SeLS-6a-3`	1	2	-386	48	873
SeLS-6a-3`	2	1	-198	79	1202
SeLS-6a-3`	2	2	-343	94	1160
SeLS-6a-3`	2	3	-235	51	1201

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-6a-4`	1	1	-150	154	568
SeLS-6a-4`	1	2	-272	42	672
SeLS-6a-4`	2	1	-118	67	930
SeLS-6a-4`	2	2	-229	79	894
SeLS-6a-4`	2	3	-154	45	945
SeLS-6a-5`	1	1	-124	143	511
SeLS-6a-5`	1	2	-233	40	603
SeLS-6a-5`	2	1	-91	64	838
SeLS-6a-5`	2	2	-194	76	811
SeLS-6a-5`	2	3	-125	44	854
SeLS-6a-6`	1	1	-94	136	441
SeLS-6a-6`	1	2	-155	46	461
SeLS-6a-6`	2	1	-36	69	647
SeLS-6a-6`	2	2	-125	80	646
SeLS-6a-6`	2	3	-61	52	650
SeLS-6b-1`	1	1	-296	228	886
SeLS-6b-1`	1	2	-381	48	864
SeLS-6b-1`	2	1	-195	78	1191
SeLS-6b-1`	2	2	-342	94	1157
SeLS-6b-1`	2	3	-228	50	1179
SeLS-6b-2`	1	1	-200	179	678
SeLS-6b-2`	1	2	-220	40	578
SeLS-6b-2`	2	1	-84	63	815
SeLS-6b-2`	2	2	-193	76	809
SeLS-6b-2`	2	3	-107	44	798
SeLS-6b-3`	1	1	-270	214	829
SeLS-6b-3`	1	2	-386	48	873
SeLS-6b-3`	2	1	-198	79	1202
SeLS-6b-3`	2	2	-343	94	1160
SeLS-6b-3`	2	3	-235	51	1201
SeLS-6b-4`	1	1	-150	154	568
SeLS-6b-4`	1	2	-272	42	672
SeLS-6b-4`	2	1	-118	67	930
SeLS-6b-4`	2	2	-229	79	894
SeLS-6b-4`	2	3	-154	45	945
SeLS-6b-5`	1	1	-124	143	511
SeLS-6b-5`	1	2	-233	40	603
SeLS-6b-5`	2	1	-91	64	838
SeLS-6b-5`	2	2	-194	76	811
SeLS-6b-5`	2	3	-125	44	854
SeLS-6b-6`	1	1	-94	136	441
SeLS-6b-6`	1	2	-155	46	461
SeLS-6b-6`	2	1	-36	69	647
SeLS-6b-6`	2	2	-125	80	646

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-6b-6`	2	3	-61	52	650
SeLS-7-1`	1	1	-39	75	244
SeLS-7-1`	1	2	-73	26	254
SeLS-7-1`	2	1	-3	39	360
SeLS-7-1`	2	2	-52	45	359
SeLS-7-1`	2	3	-18	30	360
Uplift ULS-1a-4`	1	1	-122	-4	500
Uplift ULS-1a-4`	1	2	-240	-146	596
Uplift ULS-1a-4`	2	1	-108	-168	817
Uplift ULS-1a-4`	2	2	-198	-152	779
Uplift ULS-1a-4`	2	3	-140	-179	829
Uplift ULS-1a-5`	1	1	-89	16	415
Uplift ULS-1a-5`	1	2	-194	-112	511
Uplift ULS-1a-5`	2	1	-76	-128	702
Uplift ULS-1a-5`	2	2	-155	-113	671
Uplift ULS-1a-5`	2	3	-105	-141	715
Uplift 2SpLS-6b-2`	1	1	960	215	813
Uplift 2SpLS-6b-2`	1	2	936	48	694
Uplift 2SpLS-6b-2`	2	1	1099	76	978
Uplift 2SpLS-6b-2`	2	2	969	91	971
Uplift 2SpLS-6b-2`	2	3	1071	53	957
Uplift ULS-3-2`	1	1	-734	574	2779
Uplift ULS-3-2`	1	2	-804	55	2321
Uplift ULS-3-2`	2	1	-211	83	2606
Uplift ULS-3-2`	2	2	-557	118	2588
Uplift ULS-3-2`	2	3	-285	33	2536
Uplift 2SpLS-3-2`	1	1	-734	626	2763
Uplift 2SpLS-3-2`	1	2	-804	92	2317
Uplift 2SpLS-3-2`	2	1	-211	122	2602
Uplift 2SpLS-3-2`	2	2	-557	159	2583
Uplift 2SpLS-3-2`	2	3	-285	68	2533
Uplift 3SpLS-3-2`	1	1	-734	626	2763
Uplift 3SpLS-3-2`	1	2	-804	92	2317
Uplift 3SpLS-3-2`	2	1	-211	122	2602
Uplift 3SpLS-3-2`	2	2	-557	159	2583
Uplift 3SpLS-3-2`	2	3	-285	68	2533
Uplift 5SpLS-3-2`	1	1	-734	626	2763
Uplift 5SpLS-3-2`	1	2	-804	92	2317
Uplift 5SpLS-3-2`	2	1	-211	122	2602
Uplift 5SpLS-3-2`	2	2	-557	159	2583
Uplift 5SpLS-3-2`	2	3	-285	68	2533
Ice on earthwires Ahead`	1	1	-546	324	1699
Ice on earthwires Ahead`	1	2	-702	-12	1628
Ice on earthwires Ahead`	2	1	-329	12	1991

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
Ice on earthwires Ahead`	2	2	-569	37	1929
Ice on earthwires Ahead`	2	3	-383	-26	1967
Ice on earthwires Back`	1	1	-882	543	2828
Ice on earthwires Back`	1	2	-1145	-16	2716
Ice on earthwires Back`	2	1	-502	22	3169
Ice on earthwires Back`	2	2	-885	62	3070
Ice on earthwires Back`	2	3	-589	-38	3129
Short Circuit Forces`	1	1	-39	75	244
Short Circuit Forces`	1	2	-73	26	254
Short Circuit Forces`	2	1	-3	39	360
Short Circuit Forces`	2	2	-52	45	359
Short Circuit Forces`	2	3	-18	30	360
ULS-1a-1	1	1	-328	-11	871
ULS-1a-1	1	2	-266	-213	883
ULS-1a-1	2	1	258	70	1142
ULS-1a-1	2	2	137	64	1114
ULS-1a-1	2	3	237	2	1133
ULS-1a-2	1	1	-247	-21	699
ULS-1a-2	1	2	-134	-156	541
ULS-1a-2	2	1	332	113	884
ULS-1a-2	2	2	249	107	833
ULS-1a-2	2	3	329	66	829
ULS-1a-3	1	1	-280	-16	770
ULS-1a-3	1	2	-258	-209	862
ULS-1a-3	2	1	290	39	1029
ULS-1a-3	2	2	174	31	1021
ULS-1a-3	2	3	264	-25	1043
ULS-1a-4	1	1	-124	-48	427
ULS-1a-4	1	2	-143	-160	565
ULS-1a-4	2	1	411	-57	601
ULS-1a-4	2	2	336	-64	612
ULS-1a-4	2	3	388	-93	630
ULS-1a-5	1	1	-95	-63	359
ULS-1a-5	1	2	-107	-147	469
ULS-1a-5	2	1	435	-96	511
ULS-1a-5	2	2	370	-103	521
ULS-1a-5	2	3	416	-122	531
ULS-1a-6	1	1	-70	-122	283
ULS-1a-6	1	2	-40	-174	254
ULS-1a-6	2	1	461	-300	393
ULS-1a-6	2	2	410	-311	387
ULS-1a-6	2	3	451	-317	385
ULS-3-1	1	1	-1320	-990	3465
ULS-3-1	1	2	-1038	-1787	3290

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-3-1	2	1	-272	-1278	3858
ULS-3-1	2	2	-721	-1335	3711
ULS-3-1	2	3	-350	-1482	3792
ULS-3-2	1	1	-1015	-850	2882
ULS-3-2	1	2	-547	-1272	2226
ULS-3-2	2	1	-24	-1028	3082
ULS-3-2	2	2	-345	-1052	2885
ULS-3-2	2	3	-44	-1140	2890
ULS-3-3	1	1	-1139	-906	3119
ULS-3-3	1	2	-1008	-1755	3226
ULS-3-3	2	1	-163	-1182	3516
ULS-3-3	2	2	-593	-1252	3431
ULS-3-3	2	3	-259	-1393	3524
ULS-3-4	1	1	-580	-674	2032
ULS-3-4	1	2	-578	-1304	2294
ULS-3-4	2	1	232	-844	2268
ULS-3-4	2	2	-70	-914	2270
ULS-3-4	2	3	146	-993	2323
ULS-3-5	1	1	-489	-651	1846
ULS-3-5	1	2	-453	-1177	2016
ULS-3-5	2	1	306	-796	2026
ULS-3-5	2	2	35	-860	2029
ULS-3-5	2	3	232	-920	2059
ULS-3-6	1	1	-413	-689	1667
ULS-3-6	1	2	-236	-1026	1484
ULS-3-6	2	1	379	-836	1763
ULS-3-6	2	2	150	-893	1736
ULS-3-6	2	3	333	-920	1722
ULS-4-1	1	1	-339	-256	796
ULS-4-1	1	2	-277	-442	753
ULS-4-1	2	1	245	-365	1066
ULS-4-1	2	2	119	-381	1021
ULS-4-1	2	3	224	-420	1047
ULS-4-2	1	1	-257	-209	641
ULS-4-2	1	2	-141	-283	472
ULS-4-2	2	1	322	-273	831
ULS-4-2	2	2	236	-276	771
ULS-4-2	2	3	319	-299	773
ULS-4-3	1	1	-291	-229	706
ULS-4-3	1	2	-268	-432	736
ULS-4-3	2	1	279	-334	962
ULS-4-3	2	2	158	-355	937
ULS-4-3	2	3	252	-394	966
ULS-4-4	1	1	-130	-139	402

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-4-4	1	2	-150	-294	491
ULS-4-4	2	1	404	-218	576
ULS-4-4	2	2	325	-237	577
ULS-4-4	2	3	380	-260	597
ULS-4-5	1	1	-100	-125	346
ULS-4-5	1	2	-113	-251	413
ULS-4-5	2	1	429	-198	497
ULS-4-5	2	2	361	-215	499
ULS-4-5	2	3	409	-232	511
ULS-4-6	1	1	-74	-120	291
ULS-4-6	1	2	-43	-179	259
ULS-4-6	2	1	455	-210	411
ULS-4-6	2	2	402	-224	405
ULS-4-6	2	3	445	-230	402
ULS-5a-1	1	1	-58	-97	237
ULS-5a-1	1	2	-33	-146	210
ULS-5a-1	2	1	384	-149	329
ULS-5a-1	2	2	341	-159	323
ULS-5a-1	2	3	376	-165	321
ULS-5a-2	1	1	-58	-97	237
ULS-5a-2	1	2	-33	-146	210
ULS-5a-2	2	1	384	-149	329
ULS-5a-2	2	2	341	-159	323
ULS-5a-2	2	3	376	-165	321
ULS-5a-3	1	1	-58	-97	237
ULS-5a-3	1	2	-33	-146	210
ULS-5a-3	2	1	384	-149	329
ULS-5a-3	2	2	341	-159	323
ULS-5a-3	2	3	376	-165	321
ULS-5a-4	1	1	-58	-97	237
ULS-5a-4	1	2	-33	-146	210
ULS-5a-4	2	1	384	-149	329
ULS-5a-4	2	2	341	-159	323
ULS-5a-4	2	3	376	-165	321
ULS-5a-5	1	1	-58	-97	237
ULS-5a-5	1	2	-33	-146	210
ULS-5a-5	2	1	384	-149	329
ULS-5a-5	2	2	341	-159	323
ULS-5a-5	2	3	376	-165	321
ULS-5a-6	1	1	-58	-97	237
ULS-5a-6	1	2	-33	-146	210
ULS-5a-6	2	1	384	-149	329
ULS-5a-6	2	2	341	-159	323
ULS-5a-6	2	3	376	-165	321

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-7	1	2	-33	-146	210
ULS-5a-7	2	1	384	-149	329
ULS-5a-7	2	2	341	-159	323
ULS-5a-7	2	3	376	-165	321
ULS-5a-8	1	1	-58	-97	237
ULS-5a-8	2	1	384	-149	329
ULS-5a-8	2	2	341	-159	323
ULS-5a-8	2	3	376	-165	321
ULS-5a-9	1	1	-58	-97	237
ULS-5a-9	1	2	-33	-146	210
ULS-5a-9	2	1	384	-149	329
ULS-5a-9	2	2	341	-159	323
ULS-5a-9	2	3	376	-165	321
ULS-5a-10	1	1	-58	-97	237
ULS-5a-10	1	2	-33	-146	210
ULS-5a-10	2	1	384	-149	329
ULS-5a-10	2	2	341	-159	323
ULS-5a-10	2	3	376	-165	321
ULS-5a-11	1	1	-58	-97	237
ULS-5a-11	1	2	-33	-146	210
ULS-5a-11	2	1	384	-149	329
ULS-5a-11	2	2	341	-159	323
ULS-5a-11	2	3	376	-165	321
ULS-5a-12	1	1	-58	-97	237
ULS-5a-12	1	2	-33	-146	210
ULS-5a-12	2	1	384	-149	329
ULS-5a-12	2	2	341	-159	323
ULS-5a-12	2	3	376	-165	321
ULS-5a-13	1	1	-58	-97	237
ULS-5a-13	1	2	-33	-146	210
ULS-5a-13	2	1	384	-149	329
ULS-5a-13	2	2	341	-159	323
ULS-5a-13	2	3	376	-165	321
ULS-5a-14	1	1	-58	-97	237
ULS-5a-14	1	2	-33	-146	210
ULS-5a-14	2	1	384	-149	329
ULS-5a-14	2	2	341	-159	323
ULS-5a-14	2	3	376	-165	321
ULS-5a-15	1	1	-58	-97	237
ULS-5a-15	1	2	-33	-146	210
ULS-5a-15	2	1	384	-149	329
ULS-5a-15	2	2	341	-159	323
ULS-5a-15	2	3	376	-165	321
ULS-5a-16	1	1	-58	-97	237

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-16	1	2	-33	-146	210
ULS-5a-16	2	1	384	-149	329
ULS-5a-16	2	2	341	-159	323
ULS-5a-16	2	3	376	-165	321
ULS-5a-17	1	1	-58	-97	237
ULS-5a-17	1	2	-33	-146	210
ULS-5a-17	2	1	384	-149	329
ULS-5a-17	2	2	341	-159	323
ULS-5a-17	2	3	376	-165	321
ULS-5a-18	1	1	-58	-97	237
ULS-5a-18	1	2	-33	-146	210
ULS-5a-18	2	1	384	-149	329
ULS-5a-18	2	2	341	-159	323
ULS-5a-18	2	3	376	-165	321
ULS-5b-2	1	1	-58	-97	237
ULS-5b-2	1	2	-33	-146	210
ULS-5b-2	2	1	384	-149	329
ULS-5b-2	2	2	341	-159	323
ULS-5b-2	2	3	376	-165	321
ULS-6a-1	1	1	-411	-342	1004
ULS-6a-1	1	2	-328	-573	941
ULS-6a-1	2	1	206	-492	1347
ULS-6a-1	2	2	45	-515	1292
ULS-6a-1	2	3	179	-561	1320
ULS-6a-2	1	1	-323	-291	840
ULS-6a-2	1	2	-186	-405	647
ULS-6a-2	2	1	286	-396	1102
ULS-6a-2	2	2	165	-407	1036
ULS-6a-2	2	3	278	-433	1036
ULS-6a-3	1	1	-358	-311	906
ULS-6a-3	1	2	-319	-562	922
ULS-6a-3	2	1	241	-459	1237
ULS-6a-3	2	2	86	-488	1205
ULS-6a-3	2	3	208	-532	1235
ULS-6a-4	1	1	-200	-223	608
ULS-6a-4	1	2	-195	-415	666
ULS-6a-4	2	1	365	-344	857
ULS-6a-4	2	2	250	-373	852
ULS-6a-4	2	3	336	-399	867
ULS-6a-5	1	1	-173	-211	557
ULS-6a-5	1	2	-159	-374	591
ULS-6a-5	2	1	387	-329	787
ULS-6a-5	2	2	281	-355	783
ULS-6a-5	2	3	362	-374	789

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-6a-6	1	1	-153	-211	514
ULS-6a-6	1	2	-98	-315	455
ULS-6a-6	2	1	409	-347	714
ULS-6a-6	2	2	315	-370	703
ULS-6a-6	2	3	392	-381	697
ULS-6b-1	1	1	789	-342	1004
ULS-6b-1	1	2	872	-573	941
ULS-6b-1	2	1	1406	-492	1347
ULS-6b-1	2	2	1245	-515	1292
ULS-6b-1	2	3	1379	-561	1320
ULS-6b-2	1	1	877	-291	840
ULS-6b-2	1	2	1014	-405	647
ULS-6b-2	2	1	1486	-396	1102
ULS-6b-2	2	2	1365	-407	1036
ULS-6b-2	2	3	1478	-433	1036
ULS-6b-3	1	1	842	-311	906
ULS-6b-3	1	2	881	-562	922
ULS-6b-3	2	1	1441	-459	1237
ULS-6b-3	2	2	1286	-488	1205
ULS-6b-3	2	3	1408	-532	1235
ULS-6b-4	1	1	1000	-223	608
ULS-6b-4	1	2	1005	-415	666
ULS-6b-4	2	1	1565	-344	857
ULS-6b-4	2	2	1450	-373	852
ULS-6b-4	2	3	1536	-399	867
ULS-6b-5	1	1	1027	-211	557
ULS-6b-5	1	2	1041	-374	591
ULS-6b-5	2	1	1587	-329	787
ULS-6b-5	2	2	1481	-355	783
ULS-6b-5	2	3	1562	-374	789
ULS-6b-6	1	1	1047	-211	514
ULS-6b-6	1	2	1102	-315	455
ULS-6b-6	2	1	1609	-347	714
ULS-6b-6	2	2	1515	-370	703
ULS-6b-6	2	3	1592	-381	697
ULS-7-1	1	1	-78	-131	320
ULS-7-1	1	2	-44	-197	284
ULS-7-1	2	1	518	-200	444
ULS-7-1	2	2	461	-215	437
ULS-7-1	2	3	507	-222	433
ULS-8-1	1	1	-124	-145	355
ULS-8-1	1	2	-87	-219	315
ULS-8-1	2	1	329	-223	493
ULS-8-1	2	2	263	-239	485

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-8-1	2	3	318	-247	481
SpLS-1a-1	1	2	-266	-343	794
SpLS-1a-1	2	1	258	-181	1074
SpLS-1a-1	2	2	137	-192	1037
SpLS-1a-1	2	3	237	-240	1059
SpLS-1a-2	1	2	-134	-227	492
SpLS-1a-2	2	1	332	-110	834
SpLS-1a-2	2	2	249	-115	779
SpLS-1a-2	2	3	329	-144	779
SpLS-1a-3	1	2	-258	-335	775
SpLS-1a-3	2	1	290	-176	968
SpLS-1a-3	2	2	174	-191	951
SpLS-1a-3	2	3	264	-235	976
SpLS-1a-4	1	2	-143	-235	513
SpLS-1a-4	2	1	411	-148	573
SpLS-1a-4	2	2	336	-162	579
SpLS-1a-4	2	3	388	-186	597
SpLS-1a-5	1	2	-107	-205	429
SpLS-1a-5	2	1	435	-152	492
SpLS-1a-5	2	2	370	-165	497
SpLS-1a-5	2	3	416	-182	508
SpLS-1a-6	1	2	-40	-175	254
SpLS-1a-6	2	1	461	-241	394
SpLS-1a-6	2	2	410	-254	388
SpLS-1a-6	2	3	451	-259	385
SpLS-3-1	1	2	-1038	-1854	3244
SpLS-3-1	2	1	-272	-1357	3828
SpLS-3-1	2	2	-721	-1417	3677
SpLS-3-1	2	3	-350	-1558	3759
SpLS-3-2	1	2	-547	-1309	2201
SpLS-3-2	2	1	-24	-1091	3060
SpLS-3-2	2	2	-345	-1114	2861
SpLS-3-2	2	3	-44	-1197	2868
SpLS-3-3	1	2	-1008	-1820	3181
SpLS-3-3	2	1	-163	-1251	3489
SpLS-3-3	2	2	-593	-1325	3400
SpLS-3-3	2	3	-259	-1461	3494
SpLS-3-4	1	2	-578	-1342	2267
SpLS-3-4	2	1	232	-875	2255
SpLS-3-4	2	2	-70	-948	2255
SpLS-3-4	2	3	146	-1025	2308
SpLS-3-5	1	2	-453	-1207	1995
SpLS-3-5	2	1	306	-816	2018
SpLS-3-5	2	2	35	-883	2018

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-3-5	2	3	232	-942	2049
SpLS-3-6	1	2	-236	-1026	1484
SpLS-3-6	2	1	379	-828	1763
SpLS-3-6	2	2	150	-886	1736
SpLS-3-6	2	3	333	-912	1722
SpLS-4-1	1	2	-277	-453	746
SpLS-4-1	2	1	245	-385	1060
SpLS-4-1	2	2	119	-402	1015
SpLS-4-1	2	3	224	-440	1040
SpLS-4-2	1	2	-141	-289	468
SpLS-4-2	2	1	322	-291	826
SpLS-4-2	2	2	236	-295	766
SpLS-4-2	2	3	319	-316	769
SpLS-4-3	1	2	-268	-443	728
SpLS-4-3	2	1	279	-352	957
SpLS-4-3	2	2	158	-374	931
SpLS-4-3	2	3	252	-411	961
SpLS-4-4	1	2	-150	-300	486
SpLS-4-4	2	1	404	-225	574
SpLS-4-4	2	2	325	-245	575
SpLS-4-4	2	3	380	-268	594
SpLS-4-5	1	2	-113	-256	410
SpLS-4-5	2	1	429	-203	496
SpLS-4-5	2	2	361	-221	497
SpLS-4-5	2	3	409	-237	509
SpLS-4-6	1	2	-43	-179	259
SpLS-4-6	2	1	455	-205	411
SpLS-4-6	2	2	402	-219	405
SpLS-4-6	2	3	445	-225	402
SpLS-6a-1	1	2	-328	-584	933
SpLS-6a-1	2	1	206	-513	1341
SpLS-6a-1	2	2	45	-536	1286
SpLS-6a-1	2	3	179	-581	1314
SpLS-6a-2	1	2	-186	-411	643
SpLS-6a-2	2	1	286	-414	1098
SpLS-6a-2	2	2	165	-426	1031
SpLS-6a-2	2	3	278	-451	1032
SpLS-6a-3	1	2	-319	-572	915
SpLS-6a-3	2	1	241	-477	1232
SpLS-6a-3	2	2	86	-506	1200
SpLS-6a-3	2	3	208	-549	1230
SpLS-6a-4	1	2	-195	-422	661
SpLS-6a-4	2	1	365	-352	854
SpLS-6a-4	2	2	250	-381	849

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-6a-4	2	3	336	-407	865
SpLS-6a-5	1	2	-159	-379	587
SpLS-6a-5	2	1	387	-334	786
SpLS-6a-5	2	2	281	-361	781
SpLS-6a-5	2	3	362	-379	787
SpLS-6a-6	1	2	-98	-315	455
SpLS-6a-6	2	1	409	-342	714
SpLS-6a-6	2	2	315	-366	703
SpLS-6a-6	2	3	392	-377	697
SpLS-6b-1	1	2	872	-584	933
SpLS-6b-1	2	1	1406	-513	1341
SpLS-6b-1	2	2	1245	-536	1286
SpLS-6b-1	2	3	1379	-581	1314
SpLS-6b-2	1	2	1014	-411	643
SpLS-6b-2	2	1	1486	-414	1098
SpLS-6b-2	2	2	1365	-426	1031
SpLS-6b-2	2	3	1478	-451	1032
SpLS-6b-3	1	2	881	-572	915
SpLS-6b-3	2	1	1441	-477	1232
SpLS-6b-3	2	2	1286	-506	1200
SpLS-6b-3	2	3	1408	-549	1230
SpLS-6b-4	1	2	1005	-422	661
SpLS-6b-4	2	1	1565	-352	854
SpLS-6b-4	2	2	1450	-381	849
SpLS-6b-4	2	3	1536	-407	865
SpLS-6b-5	1	2	1041	-379	587
SpLS-6b-5	2	1	1587	-334	786
SpLS-6b-5	2	2	1481	-361	781
SpLS-6b-5	2	3	1562	-379	787
SpLS-6b-6	1	2	1102	-315	455
SpLS-6b-6	2	1	1609	-342	714
SpLS-6b-6	2	2	1515	-366	703
SpLS-6b-6	2	3	1592	-377	697
1SpLS-1a-1	1	1	-328	-153	813
1SpLS-1a-1	2	1	258	-181	1074
1SpLS-1a-1	2	2	137	-192	1037
1SpLS-1a-1	2	3	237	-240	1059
1SpLS-1a-2	1	1	-247	-130	654
1SpLS-1a-2	2	1	332	-110	834
1SpLS-1a-2	2	2	249	-115	779
1SpLS-1a-2	2	3	329	-144	779
1SpLS-1a-3	1	1	-280	-139	720
1SpLS-1a-3	2	1	290	-176	968
1SpLS-1a-3	2	2	174	-191	951

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-1a-3	2	3	264	-235	976
1SpLS-1a-4	1	1	-124	-100	406
1SpLS-1a-4	2	1	411	-148	573
1SpLS-1a-4	2	2	336	-162	579
1SpLS-1a-4	2	3	388	-186	597
1SpLS-1a-5	1	1	-95	-98	345
1SpLS-1a-5	2	1	435	-152	492
1SpLS-1a-5	2	2	370	-165	497
1SpLS-1a-5	2	3	416	-182	508
1SpLS-1a-6	1	1	-70	-119	284
1SpLS-1a-6	2	1	461	-241	394
1SpLS-1a-6	2	2	410	-254	388
1SpLS-1a-6	2	3	451	-259	385
1SpLS-3-1	1	1	-1320	-1063	3435
1SpLS-3-1	2	1	-272	-1357	3828
1SpLS-3-1	2	2	-721	-1417	3677
1SpLS-3-1	2	3	-350	-1558	3759
1SpLS-3-2	1	1	-1015	-907	2859
1SpLS-3-2	2	1	-24	-1091	3060
1SpLS-3-2	2	2	-345	-1114	2861
1SpLS-3-2	2	3	-44	-1197	2868
1SpLS-3-3	1	1	-1139	-970	3094
1SpLS-3-3	2	1	-163	-1251	3489
1SpLS-3-3	2	2	-593	-1325	3400
1SpLS-3-3	2	3	-259	-1461	3494
1SpLS-3-4	1	1	-580	-701	2021
1SpLS-3-4	2	1	232	-875	2255
1SpLS-3-4	2	2	-70	-948	2255
1SpLS-3-4	2	3	146	-1025	2308
1SpLS-3-5	1	1	-489	-669	1839
1SpLS-3-5	2	1	306	-816	2018
1SpLS-3-5	2	2	35	-883	2018
1SpLS-3-5	2	3	232	-942	2049
1SpLS-3-6	1	1	-413	-688	1668
1SpLS-3-6	2	1	379	-828	1763
1SpLS-3-6	2	2	150	-886	1736
1SpLS-3-6	2	3	333	-912	1722
1SpLS-4-1	1	1	-339	-268	791
1SpLS-4-1	2	1	245	-385	1060
1SpLS-4-1	2	2	119	-402	1015
1SpLS-4-1	2	3	224	-440	1040
1SpLS-4-2	1	1	-257	-218	638
1SpLS-4-2	2	1	322	-291	826
1SpLS-4-2	2	2	236	-295	766

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-4-2	2	3	319	-316	769
1SpLS-4-3	1	1	-291	-239	701
1SpLS-4-3	2	1	279	-352	957
1SpLS-4-3	2	2	158	-374	931
1SpLS-4-3	2	3	252	-411	961
1SpLS-4-4	1	1	-130	-143	401
1SpLS-4-4	2	1	404	-225	574
1SpLS-4-4	2	2	325	-245	575
1SpLS-4-4	2	3	380	-268	594
1SpLS-4-5	1	1	-100	-128	345
1SpLS-4-5	2	1	429	-203	496
1SpLS-4-5	2	2	361	-221	497
1SpLS-4-5	2	3	409	-237	509
1SpLS-4-6	1	1	-74	-120	292
1SpLS-4-6	2	1	455	-205	411
1SpLS-4-6	2	2	402	-219	405
1SpLS-4-6	2	3	445	-225	402
1SpLS-6a-1	1	1	-411	-354	999
1SpLS-6a-1	2	1	206	-513	1341
1SpLS-6a-1	2	2	45	-536	1286
1SpLS-6a-1	2	3	179	-581	1314
1SpLS-6a-2	1	1	-323	-300	836
1SpLS-6a-2	2	1	286	-414	1098
1SpLS-6a-2	2	2	165	-426	1031
1SpLS-6a-2	2	3	278	-451	1032
1SpLS-6a-3	1	1	-358	-321	902
1SpLS-6a-3	2	1	241	-477	1232
1SpLS-6a-3	2	2	86	-506	1200
1SpLS-6a-3	2	3	208	-549	1230
1SpLS-6a-4	1	1	-200	-227	606
1SpLS-6a-4	2	1	365	-352	854
1SpLS-6a-4	2	2	250	-381	849
1SpLS-6a-4	2	3	336	-407	865
1SpLS-6a-5	1	1	-173	-214	555
1SpLS-6a-5	2	1	387	-334	786
1SpLS-6a-5	2	2	281	-361	781
1SpLS-6a-5	2	3	362	-379	787
1SpLS-6a-6	1	1	-153	-211	514
1SpLS-6a-6	2	1	409	-342	714
1SpLS-6a-6	2	2	315	-366	703
1SpLS-6a-6	2	3	392	-377	697
1SpLS-6b-1	1	1	789	-354	999
1SpLS-6b-1	2	1	1406	-513	1341
1SpLS-6b-1	2	2	1245	-536	1286

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-6b-1	2	3	1379	-581	1314
1SpLS-6b-2	1	1	877	-300	836
1SpLS-6b-2	2	1	1486	-414	1098
1SpLS-6b-2	2	2	1365	-426	1031
1SpLS-6b-2	2	3	1478	-451	1032
1SpLS-6b-3	1	1	842	-321	902
1SpLS-6b-3	2	1	1441	-477	1232
1SpLS-6b-3	2	2	1286	-506	1200
1SpLS-6b-3	2	3	1408	-549	1230
1SpLS-6b-4	1	1	1000	-227	606
1SpLS-6b-4	2	1	1565	-352	854
1SpLS-6b-4	2	2	1450	-381	849
1SpLS-6b-4	2	3	1536	-407	865
1SpLS-6b-5	1	1	1027	-214	555
1SpLS-6b-5	2	1	1587	-334	786
1SpLS-6b-5	2	2	1481	-361	781
1SpLS-6b-5	2	3	1562	-379	787
1SpLS-6b-6	1	1	1047	-211	514
1SpLS-6b-6	2	1	1609	-342	714
1SpLS-6b-6	2	2	1515	-366	703
1SpLS-6b-6	2	3	1592	-377	697
2SpLS-1a-1	1	1	-328	-153	813
2SpLS-1a-1	1	2	-266	-343	794
2SpLS-1a-1	2	1	258	-181	1074
2SpLS-1a-1	2	2	137	-192	1037
2SpLS-1a-1	2	3	237	-240	1059
2SpLS-1a-2	1	1	-247	-130	654
2SpLS-1a-2	1	2	-134	-227	492
2SpLS-1a-2	2	1	332	-110	834
2SpLS-1a-2	2	2	249	-115	779
2SpLS-1a-2	2	3	329	-144	779
2SpLS-1a-3	1	1	-280	-139	720
2SpLS-1a-3	1	2	-258	-335	775
2SpLS-1a-3	2	1	290	-176	968
2SpLS-1a-3	2	2	174	-191	951
2SpLS-1a-3	2	3	264	-235	976
2SpLS-1a-4	1	1	-124	-100	406
2SpLS-1a-4	1	2	-143	-235	513
2SpLS-1a-4	2	1	411	-148	573
2SpLS-1a-4	2	2	336	-162	579
2SpLS-1a-4	2	3	388	-186	597
2SpLS-1a-5	1	1	-95	-98	345
2SpLS-1a-5	1	2	-107	-205	429
2SpLS-1a-5	2	1	435	-152	492

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-1a-5	2	2	370	-165	497
2SpLS-1a-5	2	3	416	-182	508
2SpLS-1a-6	1	1	-70	-119	284
2SpLS-1a-6	1	2	-40	-175	254
2SpLS-1a-6	2	1	461	-241	394
2SpLS-1a-6	2	2	410	-254	388
2SpLS-1a-6	2	3	451	-259	385
2SpLS-3-1	1	1	-1320	-1063	3435
2SpLS-3-1	1	2	-1038	-1854	3244
2SpLS-3-1	2	1	-272	-1357	3828
2SpLS-3-1	2	2	-721	-1417	3677
2SpLS-3-1	2	3	-350	-1558	3759
2SpLS-3-2	1	1	-1015	-907	2859
2SpLS-3-2	1	2	-547	-1309	2201
2SpLS-3-2	2	1	-24	-1091	3060
2SpLS-3-2	2	2	-345	-1114	2861
2SpLS-3-2	2	3	-44	-1197	2868
2SpLS-3-3	1	1	-1139	-970	3094
2SpLS-3-3	1	2	-1008	-1820	3181
2SpLS-3-3	2	1	-163	-1251	3489
2SpLS-3-3	2	2	-593	-1325	3400
2SpLS-3-3	2	3	-259	-1461	3494
2SpLS-3-4	1	1	-580	-701	2021
2SpLS-3-4	1	2	-578	-1342	2267
2SpLS-3-4	2	1	232	-875	2255
2SpLS-3-4	2	2	-70	-948	2255
2SpLS-3-4	2	3	146	-1025	2308
2SpLS-3-5	1	1	-489	-669	1839
2SpLS-3-5	1	2	-453	-1207	1995
2SpLS-3-5	2	1	306	-816	2018
2SpLS-3-5	2	2	35	-883	2018
2SpLS-3-5	2	3	232	-942	2049
2SpLS-3-6	1	1	-413	-688	1668
2SpLS-3-6	1	2	-236	-1026	1484
2SpLS-3-6	2	1	379	-828	1763
2SpLS-3-6	2	2	150	-886	1736
2SpLS-3-6	2	3	333	-912	1722
2SpLS-4-1	1	1	-339	-268	791
2SpLS-4-1	1	2	-277	-453	746
2SpLS-4-1	2	1	245	-385	1060
2SpLS-4-1	2	2	119	-402	1015
2SpLS-4-1	2	3	224	-440	1040
2SpLS-4-2	1	1	-257	-218	638
2SpLS-4-2	1	2	-141	-289	468

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-4-2	2	1	322	-291	826
2SpLS-4-2	2	2	236	-295	766
2SpLS-4-2	2	3	319	-316	769
2SpLS-4-3	1	1	-291	-239	701
2SpLS-4-3	1	2	-268	-443	728
2SpLS-4-3	2	1	279	-352	957
2SpLS-4-3	2	2	158	-374	931
2SpLS-4-3	2	3	252	-411	961
2SpLS-4-4	1	1	-130	-143	401
2SpLS-4-4	1	2	-150	-300	486
2SpLS-4-4	2	1	404	-225	574
2SpLS-4-4	2	2	325	-245	575
2SpLS-4-4	2	3	380	-268	594
2SpLS-4-5	1	1	-100	-128	345
2SpLS-4-5	1	2	-113	-256	410
2SpLS-4-5	2	1	429	-203	496
2SpLS-4-5	2	2	361	-221	497
2SpLS-4-5	2	3	409	-237	509
2SpLS-4-6	1	1	-74	-120	292
2SpLS-4-6	1	2	-43	-179	259
2SpLS-4-6	2	1	455	-205	411
2SpLS-4-6	2	2	402	-219	405
2SpLS-4-6	2	3	445	-225	402
2SpLS-6a-1	1	1	-411	-354	999
2SpLS-6a-1	1	2	-328	-584	933
2SpLS-6a-1	2	1	206	-513	1341
2SpLS-6a-1	2	2	45	-536	1286
2SpLS-6a-1	2	3	179	-581	1314
2SpLS-6a-2	1	1	-323	-300	836
2SpLS-6a-2	1	2	-186	-411	643
2SpLS-6a-2	2	1	286	-414	1098
2SpLS-6a-2	2	2	165	-426	1031
2SpLS-6a-2	2	3	278	-451	1032
2SpLS-6a-3	1	1	-358	-321	902
2SpLS-6a-3	1	2	-319	-572	915
2SpLS-6a-3	2	1	241	-477	1232
2SpLS-6a-3	2	2	86	-506	1200
2SpLS-6a-3	2	3	208	-549	1230
2SpLS-6a-4	1	1	-200	-227	606
2SpLS-6a-4	1	2	-195	-422	661
2SpLS-6a-4	2	1	365	-352	854
2SpLS-6a-4	2	2	250	-381	849
2SpLS-6a-4	2	3	336	-407	865
2SpLS-6a-5	1	1	-173	-214	555

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-6a-5	1	2	-159	-379	587
2SpLS-6a-5	2	1	387	-334	786
2SpLS-6a-5	2	2	281	-361	781
2SpLS-6a-5	2	3	362	-379	787
2SpLS-6a-6	1	1	-153	-211	514
2SpLS-6a-6	1	2	-98	-315	455
2SpLS-6a-6	2	1	409	-342	714
2SpLS-6a-6	2	2	315	-366	703
2SpLS-6a-6	2	3	392	-377	697
2SpLS-6b-1	1	1	789	-354	999
2SpLS-6b-1	1	2	872	-584	933
2SpLS-6b-1	2	1	1406	-513	1341
2SpLS-6b-1	2	2	1245	-536	1286
2SpLS-6b-1	2	3	1379	-581	1314
2SpLS-6b-2	1	1	877	-300	836
2SpLS-6b-2	1	2	1014	-411	643
2SpLS-6b-2	2	1	1486	-414	1098
2SpLS-6b-2	2	2	1365	-426	1031
2SpLS-6b-2	2	3	1478	-451	1032
2SpLS-6b-3	1	1	842	-321	902
2SpLS-6b-3	1	2	881	-572	915
2SpLS-6b-3	2	1	1441	-477	1232
2SpLS-6b-3	2	2	1286	-506	1200
2SpLS-6b-3	2	3	1408	-549	1230
2SpLS-6b-4	1	1	1000	-227	606
2SpLS-6b-4	1	2	1005	-422	661
2SpLS-6b-4	2	1	1565	-352	854
2SpLS-6b-4	2	2	1450	-381	849
2SpLS-6b-4	2	3	1536	-407	865
2SpLS-6b-5	1	1	1027	-214	555
2SpLS-6b-5	1	2	1041	-379	587
2SpLS-6b-5	2	1	1587	-334	786
2SpLS-6b-5	2	2	1481	-361	781
2SpLS-6b-5	2	3	1562	-379	787
2SpLS-6b-6	1	1	1047	-211	514
2SpLS-6b-6	1	2	1102	-315	455
2SpLS-6b-6	2	1	1609	-342	714
2SpLS-6b-6	2	2	1515	-366	703
2SpLS-6b-6	2	3	1592	-377	697
3SpLS-1a-1	1	1	-328	-153	813
3SpLS-1a-1	1	2	-266	-343	794
3SpLS-1a-1	2	1	258	-181	1074
3SpLS-1a-1	2	2	137	-192	1037
3SpLS-1a-1	2	3	237	-240	1059

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-1a-2	1	1	-247	-130	654
3SpLS-1a-2	1	2	-134	-227	492
3SpLS-1a-2	2	1	332	-110	834
3SpLS-1a-2	2	2	249	-115	779
3SpLS-1a-2	2	3	329	-144	779
3SpLS-1a-3	1	1	-280	-139	720
3SpLS-1a-3	1	2	-258	-335	775
3SpLS-1a-3	2	1	290	-176	968
3SpLS-1a-3	2	2	174	-191	951
3SpLS-1a-3	2	3	264	-235	976
3SpLS-1a-4	1	1	-124	-100	406
3SpLS-1a-4	1	2	-143	-235	513
3SpLS-1a-4	2	1	411	-148	573
3SpLS-1a-4	2	2	336	-162	579
3SpLS-1a-4	2	3	388	-186	597
3SpLS-1a-5	1	1	-95	-98	345
3SpLS-1a-5	1	2	-107	-205	429
3SpLS-1a-5	2	1	435	-152	492
3SpLS-1a-5	2	2	370	-165	497
3SpLS-1a-5	2	3	416	-182	508
3SpLS-1a-6	1	1	-70	-119	284
3SpLS-1a-6	1	2	-40	-175	254
3SpLS-1a-6	2	1	461	-241	394
3SpLS-1a-6	2	2	410	-254	388
3SpLS-1a-6	2	3	451	-259	385
3SpLS-3-1	1	1	-1320	-1063	3435
3SpLS-3-1	1	2	-1038	-1854	3244
3SpLS-3-1	2	1	-272	-1357	3828
3SpLS-3-1	2	2	-721	-1417	3677
3SpLS-3-1	2	3	-350	-1558	3759
3SpLS-3-2	1	1	-1015	-907	2859
3SpLS-3-2	1	2	-547	-1309	2201
3SpLS-3-2	2	1	-24	-1091	3060
3SpLS-3-2	2	2	-345	-1114	2861
3SpLS-3-2	2	3	-44	-1197	2868
3SpLS-3-3	1	1	-1139	-970	3094
3SpLS-3-3	1	2	-1008	-1820	3181
3SpLS-3-3	2	1	-163	-1251	3489
3SpLS-3-3	2	2	-593	-1325	3400
3SpLS-3-3	2	3	-259	-1461	3494
3SpLS-3-4	1	1	-580	-701	2021
3SpLS-3-4	1	2	-578	-1342	2267
3SpLS-3-4	2	1	232	-875	2255
3SpLS-3-4	2	2	-70	-948	2255

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-3-4	2	3	146	-1025	2308
3SpLS-3-5	1	1	-489	-669	1839
3SpLS-3-5	1	2	-453	-1207	1995
3SpLS-3-5	2	1	306	-816	2018
3SpLS-3-5	2	2	35	-883	2018
3SpLS-3-5	2	3	232	-942	2049
3SpLS-3-6	1	1	-413	-688	1668
3SpLS-3-6	1	2	-236	-1026	1484
3SpLS-3-6	2	1	379	-828	1763
3SpLS-3-6	2	2	150	-886	1736
3SpLS-3-6	2	3	333	-912	1722
3SpLS-4-1	1	1	-339	-268	791
3SpLS-4-1	1	2	-277	-453	746
3SpLS-4-1	2	1	245	-385	1060
3SpLS-4-1	2	2	119	-402	1015
3SpLS-4-1	2	3	224	-440	1040
3SpLS-4-2	1	1	-257	-218	638
3SpLS-4-2	1	2	-141	-289	468
3SpLS-4-2	2	1	322	-291	826
3SpLS-4-2	2	2	236	-295	766
3SpLS-4-2	2	3	319	-316	769
3SpLS-4-3	1	1	-291	-239	701
3SpLS-4-3	1	2	-268	-443	728
3SpLS-4-3	2	1	279	-352	957
3SpLS-4-3	2	2	158	-374	931
3SpLS-4-3	2	3	252	-411	961
3SpLS-4-4	1	1	-130	-143	401
3SpLS-4-4	1	2	-150	-300	486
3SpLS-4-4	2	1	404	-225	574
3SpLS-4-4	2	2	325	-245	575
3SpLS-4-4	2	3	380	-268	594
3SpLS-4-5	1	1	-100	-128	345
3SpLS-4-5	1	2	-113	-256	410
3SpLS-4-5	2	1	429	-203	496
3SpLS-4-5	2	2	361	-221	497
3SpLS-4-5	2	3	409	-237	509
3SpLS-4-6	1	1	-74	-120	292
3SpLS-4-6	1	2	-43	-179	259
3SpLS-4-6	2	1	455	-205	411
3SpLS-4-6	2	2	402	-219	405
3SpLS-4-6	2	3	445	-225	402
3SpLS-6a-1	1	1	-411	-354	999
3SpLS-6a-1	1	2	-328	-584	933
3SpLS-6a-1	2	1	206	-513	1341

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-6a-1	2	2	45	-536	1286
3SpLS-6a-1	2	3	179	-581	1314
3SpLS-6a-2	1	1	-323	-300	836
3SpLS-6a-2	1	2	-186	-411	643
3SpLS-6a-2	2	1	286	-414	1098
3SpLS-6a-2	2	2	165	-426	1031
3SpLS-6a-2	2	3	278	-451	1032
3SpLS-6a-3	1	1	-358	-321	902
3SpLS-6a-3	1	2	-319	-572	915
3SpLS-6a-3	2	1	241	-477	1232
3SpLS-6a-3	2	2	86	-506	1200
3SpLS-6a-3	2	3	208	-549	1230
3SpLS-6a-4	1	1	-200	-227	606
3SpLS-6a-4	1	2	-195	-422	661
3SpLS-6a-4	2	1	365	-352	854
3SpLS-6a-4	2	2	250	-381	849
3SpLS-6a-4	2	3	336	-407	865
3SpLS-6a-5	1	1	-173	-214	555
3SpLS-6a-5	1	2	-159	-379	587
3SpLS-6a-5	2	1	387	-334	786
3SpLS-6a-5	2	2	281	-361	781
3SpLS-6a-5	2	3	362	-379	787
3SpLS-6a-6	1	1	-153	-211	514
3SpLS-6a-6	1	2	-98	-315	455
3SpLS-6a-6	2	1	409	-342	714
3SpLS-6a-6	2	2	315	-366	703
3SpLS-6a-6	2	3	392	-377	697
3SpLS-6b-1	1	1	789	-354	999
3SpLS-6b-1	1	2	872	-584	933
3SpLS-6b-1	2	1	1406	-513	1341
3SpLS-6b-1	2	2	1245	-536	1286
3SpLS-6b-1	2	3	1379	-581	1314
3SpLS-6b-2	1	1	877	-300	836
3SpLS-6b-2	1	2	1014	-411	643
3SpLS-6b-2	2	1	1486	-414	1098
3SpLS-6b-2	2	2	1365	-426	1031
3SpLS-6b-2	2	3	1478	-451	1032
3SpLS-6b-3	1	1	842	-321	902
3SpLS-6b-3	1	2	881	-572	915
3SpLS-6b-3	2	1	1441	-477	1232
3SpLS-6b-3	2	2	1286	-506	1200
3SpLS-6b-3	2	3	1408	-549	1230
3SpLS-6b-4	1	1	1000	-227	606
3SpLS-6b-4	1	2	1005	-422	661

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-6b-4	2	1	1565	-352	854
3SpLS-6b-4	2	2	1450	-381	849
3SpLS-6b-4	2	3	1536	-407	865
3SpLS-6b-5	1	1	1027	-214	555
3SpLS-6b-5	1	2	1041	-379	587
3SpLS-6b-5	2	1	1587	-334	786
3SpLS-6b-5	2	2	1481	-361	781
3SpLS-6b-5	2	3	1562	-379	787
3SpLS-6b-6	1	1	1047	-211	514
3SpLS-6b-6	1	2	1102	-315	455
3SpLS-6b-6	2	1	1609	-342	714
3SpLS-6b-6	2	2	1515	-366	703
3SpLS-6b-6	2	3	1592	-377	697
4SpLS-1a-1	2	1	258	-181	1074
4SpLS-1a-1	2	2	137	-192	1037
4SpLS-1a-1	2	3	237	-240	1059
4SpLS-1a-2	2	1	332	-110	834
4SpLS-1a-2	2	2	249	-115	779
4SpLS-1a-2	2	3	329	-144	779
4SpLS-1a-3	2	1	290	-176	968
4SpLS-1a-3	2	2	174	-191	951
4SpLS-1a-3	2	3	264	-235	976
4SpLS-1a-4	2	1	411	-148	573
4SpLS-1a-4	2	2	336	-162	579
4SpLS-1a-4	2	3	388	-186	597
4SpLS-1a-5	2	1	435	-152	492
4SpLS-1a-5	2	2	370	-165	497
4SpLS-1a-5	2	3	416	-182	508
4SpLS-1a-6	2	1	461	-241	394
4SpLS-1a-6	2	2	410	-254	388
4SpLS-1a-6	2	3	451	-259	385
4SpLS-3-1	2	1	-272	-1357	3828
4SpLS-3-1	2	2	-721	-1417	3677
4SpLS-3-1	2	3	-350	-1558	3759
4SpLS-3-2	2	1	-24	-1091	3060
4SpLS-3-2	2	2	-345	-1114	2861
4SpLS-3-2	2	3	-44	-1197	2868
4SpLS-3-3	2	1	-163	-1251	3489
4SpLS-3-3	2	2	-593	-1325	3400
4SpLS-3-3	2	3	-259	-1461	3494
4SpLS-3-4	2	1	232	-875	2255
4SpLS-3-4	2	2	-70	-948	2255
4SpLS-3-4	2	3	146	-1025	2308
4SpLS-3-5	2	1	306	-816	2018

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-3-5	2	2	35	-883	2018
4SpLS-3-5	2	3	232	-942	2049
4SpLS-3-6	2	1	379	-828	1763
4SpLS-3-6	2	2	150	-886	1736
4SpLS-3-6	2	3	333	-912	1722
4SpLS-4-1	2	1	245	-385	1060
4SpLS-4-1	2	2	119	-402	1015
4SpLS-4-1	2	3	224	-440	1040
4SpLS-4-2	2	1	322	-291	826
4SpLS-4-2	2	2	236	-295	766
4SpLS-4-2	2	3	319	-316	769
4SpLS-4-3	2	1	279	-352	957
4SpLS-4-3	2	2	158	-374	931
4SpLS-4-3	2	3	252	-411	961
4SpLS-4-4	2	1	404	-225	574
4SpLS-4-4	2	2	325	-245	575
4SpLS-4-4	2	3	380	-268	594
4SpLS-4-5	2	1	429	-203	496
4SpLS-4-5	2	2	361	-221	497
4SpLS-4-5	2	3	409	-237	509
4SpLS-4-6	2	1	455	-205	411
4SpLS-4-6	2	2	402	-219	405
4SpLS-4-6	2	3	445	-225	402
4SpLS-6a-1	2	1	206	-513	1341
4SpLS-6a-1	2	2	45	-536	1286
4SpLS-6a-1	2	3	179	-581	1314
4SpLS-6a-2	2	1	286	-414	1098
4SpLS-6a-2	2	2	165	-426	1031
4SpLS-6a-2	2	3	278	-451	1032
4SpLS-6a-3	2	1	241	-477	1232
4SpLS-6a-3	2	2	86	-506	1200
4SpLS-6a-3	2	3	208	-549	1230
4SpLS-6a-4	2	1	365	-352	854
4SpLS-6a-4	2	2	250	-381	849
4SpLS-6a-4	2	3	336	-407	865
4SpLS-6a-5	2	1	387	-334	786
4SpLS-6a-5	2	2	281	-361	781
4SpLS-6a-5	2	3	362	-379	787
4SpLS-6a-6	2	1	409	-342	714
4SpLS-6a-6	2	2	315	-366	703
4SpLS-6a-6	2	3	392	-377	697
4SpLS-6b-1	2	1	1406	-513	1341
4SpLS-6b-1	2	2	1245	-536	1286
4SpLS-6b-1	2	3	1379	-581	1314

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-6b-2	2	1	1486	-414	1098
4SpLS-6b-2	2	2	1365	-426	1031
4SpLS-6b-2	2	3	1478	-451	1032
4SpLS-6b-3	2	1	1441	-477	1232
4SpLS-6b-3	2	2	1286	-506	1200
4SpLS-6b-3	2	3	1408	-549	1230
4SpLS-6b-4	2	1	1565	-352	854
4SpLS-6b-4	2	2	1450	-381	849
4SpLS-6b-4	2	3	1536	-407	865
4SpLS-6b-5	2	1	1587	-334	786
4SpLS-6b-5	2	2	1481	-361	781
4SpLS-6b-5	2	3	1562	-379	787
4SpLS-6b-6	2	1	1609	-342	714
4SpLS-6b-6	2	2	1515	-366	703
4SpLS-6b-6	2	3	1592	-377	697
5SpLS-1a-1	1	1	-328	-153	813
5SpLS-1a-1	1	2	-266	-343	794
5SpLS-1a-1	2	1	258	-181	1074
5SpLS-1a-1	2	2	137	-192	1037
5SpLS-1a-1	2	3	237	-240	1059
5SpLS-1a-2	1	1	-247	-130	654
5SpLS-1a-2	1	2	-134	-227	492
5SpLS-1a-2	2	1	332	-110	834
5SpLS-1a-2	2	2	249	-115	779
5SpLS-1a-2	2	3	329	-144	779
5SpLS-1a-3	1	1	-280	-139	720
5SpLS-1a-3	1	2	-258	-335	775
5SpLS-1a-3	2	1	290	-176	968
5SpLS-1a-3	2	2	174	-191	951
5SpLS-1a-3	2	3	264	-235	976
5SpLS-1a-4	1	1	-124	-100	406
5SpLS-1a-4	1	2	-143	-235	513
5SpLS-1a-4	2	1	411	-148	573
5SpLS-1a-4	2	2	336	-162	579
5SpLS-1a-4	2	3	388	-186	597
5SpLS-1a-5	1	1	-95	-98	345
5SpLS-1a-5	1	2	-107	-205	429
5SpLS-1a-5	2	1	435	-152	492
5SpLS-1a-5	2	2	370	-165	497
5SpLS-1a-5	2	3	416	-182	508
5SpLS-1a-6	1	1	-70	-119	284
5SpLS-1a-6	1	2	-40	-175	254
5SpLS-1a-6	2	1	461	-241	394
5SpLS-1a-6	2	2	410	-254	388

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-1a-6	2	3	451	-259	385
5SpLS-3-1	1	1	-1320	-1063	3435
5SpLS-3-1	1	2	-1038	-1854	3244
5SpLS-3-1	2	1	-272	-1357	3828
5SpLS-3-1	2	2	-721	-1417	3677
5SpLS-3-1	2	3	-350	-1558	3759
5SpLS-3-2	1	1	-1015	-907	2859
5SpLS-3-2	1	2	-547	-1309	2201
5SpLS-3-2	2	1	-24	-1091	3060
5SpLS-3-2	2	2	-345	-1114	2861
5SpLS-3-2	2	3	-44	-1197	2868
5SpLS-3-3	1	1	-1139	-970	3094
5SpLS-3-3	1	2	-1008	-1820	3181
5SpLS-3-3	2	1	-163	-1251	3489
5SpLS-3-3	2	2	-593	-1325	3400
5SpLS-3-3	2	3	-259	-1461	3494
5SpLS-3-4	1	1	-580	-701	2021
5SpLS-3-4	1	2	-578	-1342	2267
5SpLS-3-4	2	1	232	-875	2255
5SpLS-3-4	2	2	-70	-948	2255
5SpLS-3-4	2	3	146	-1025	2308
5SpLS-3-5	1	1	-489	-669	1839
5SpLS-3-5	1	2	-453	-1207	1995
5SpLS-3-5	2	1	306	-816	2018
5SpLS-3-5	2	2	35	-883	2018
5SpLS-3-5	2	3	232	-942	2049
5SpLS-3-6	1	1	-413	-688	1668
5SpLS-3-6	1	2	-236	-1026	1484
5SpLS-3-6	2	1	379	-828	1763
5SpLS-3-6	2	2	150	-886	1736
5SpLS-3-6	2	3	333	-912	1722
5SpLS-4-1	1	1	-339	-268	791
5SpLS-4-1	1	2	-277	-453	746
5SpLS-4-1	2	1	245	-385	1060
5SpLS-4-1	2	2	119	-402	1015
5SpLS-4-1	2	3	224	-440	1040
5SpLS-4-2	1	1	-257	-218	638
5SpLS-4-2	1	2	-141	-289	468
5SpLS-4-2	2	1	322	-291	826
5SpLS-4-2	2	2	236	-295	766
5SpLS-4-2	2	3	319	-316	769
5SpLS-4-3	1	1	-291	-239	701
5SpLS-4-3	1	2	-268	-443	728
5SpLS-4-3	2	1	279	-352	957

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-4-3	2	2	158	-374	931
5SpLS-4-3	2	3	252	-411	961
5SpLS-4-4	1	1	-130	-143	401
5SpLS-4-4	1	2	-150	-300	486
5SpLS-4-4	2	1	404	-225	574
5SpLS-4-4	2	2	325	-245	575
5SpLS-4-4	2	3	380	-268	594
5SpLS-4-5	1	1	-100	-128	345
5SpLS-4-5	1	2	-113	-256	410
5SpLS-4-5	2	1	429	-203	496
5SpLS-4-5	2	2	361	-221	497
5SpLS-4-5	2	3	409	-237	509
5SpLS-4-6	1	1	-74	-120	292
5SpLS-4-6	1	2	-43	-179	259
5SpLS-4-6	2	1	455	-205	411
5SpLS-4-6	2	2	402	-219	405
5SpLS-4-6	2	3	445	-225	402
5SpLS-6a-1	1	1	-411	-354	999
5SpLS-6a-1	1	2	-328	-584	933
5SpLS-6a-1	2	1	206	-513	1341
5SpLS-6a-1	2	2	45	-536	1286
5SpLS-6a-1	2	3	179	-581	1314
5SpLS-6a-2	1	1	-323	-300	836
5SpLS-6a-2	1	2	-186	-411	643
5SpLS-6a-2	2	1	286	-414	1098
5SpLS-6a-2	2	2	165	-426	1031
5SpLS-6a-2	2	3	278	-451	1032
5SpLS-6a-3	1	1	-358	-321	902
5SpLS-6a-3	1	2	-319	-572	915
5SpLS-6a-3	2	1	241	-477	1232
5SpLS-6a-3	2	2	86	-506	1200
5SpLS-6a-3	2	3	208	-549	1230
5SpLS-6a-4	1	1	-200	-227	606
5SpLS-6a-4	1	2	-195	-422	661
5SpLS-6a-4	2	1	365	-352	854
5SpLS-6a-4	2	2	250	-381	849
5SpLS-6a-4	2	3	336	-407	865
5SpLS-6a-5	1	1	-173	-214	555
5SpLS-6a-5	1	2	-159	-379	587
5SpLS-6a-5	2	1	387	-334	786
5SpLS-6a-5	2	2	281	-361	781
5SpLS-6a-5	2	3	362	-379	787
5SpLS-6a-6	1	1	-153	-211	514
5SpLS-6a-6	1	2	-98	-315	455

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-6a-6	2	1	409	-342	714
5SpLS-6a-6	2	2	315	-366	703
5SpLS-6a-6	2	3	392	-377	697
5SpLS-6b-1	1	1	789	-354	999
5SpLS-6b-1	1	2	872	-584	933
5SpLS-6b-1	2	1	1406	-513	1341
5SpLS-6b-1	2	2	1245	-536	1286
5SpLS-6b-1	2	3	1379	-581	1314
5SpLS-6b-2	1	1	877	-300	836
5SpLS-6b-2	1	2	1014	-411	643
5SpLS-6b-2	2	1	1486	-414	1098
5SpLS-6b-2	2	2	1365	-426	1031
5SpLS-6b-2	2	3	1478	-451	1032
5SpLS-6b-3	1	1	842	-321	902
5SpLS-6b-3	1	2	881	-572	915
5SpLS-6b-3	2	1	1441	-477	1232
5SpLS-6b-3	2	2	1286	-506	1200
5SpLS-6b-3	2	3	1408	-549	1230
5SpLS-6b-4	1	1	1000	-227	606
5SpLS-6b-4	1	2	1005	-422	661
5SpLS-6b-4	2	1	1565	-352	854
5SpLS-6b-4	2	2	1450	-381	849
5SpLS-6b-4	2	3	1536	-407	865
5SpLS-6b-5	1	1	1027	-214	555
5SpLS-6b-5	1	2	1041	-379	587
5SpLS-6b-5	2	1	1587	-334	786
5SpLS-6b-5	2	2	1481	-361	781
5SpLS-6b-5	2	3	1562	-379	787
5SpLS-6b-6	1	1	1047	-211	514
5SpLS-6b-6	1	2	1102	-315	455
5SpLS-6b-6	2	1	1609	-342	714
5SpLS-6b-6	2	2	1515	-366	703
5SpLS-6b-6	2	3	1592	-377	697
SeLS-1a-1	1	1	-273	-58	706
SeLS-1a-1	1	2	-222	-223	705
SeLS-1a-1	2	1	215	-29	928
SeLS-1a-1	2	2	114	-36	902
SeLS-1a-1	2	3	198	-83	918
SeLS-1a-2	1	1	-206	-55	567
SeLS-1a-2	1	2	-112	-154	434
SeLS-1a-2	2	1	276	17	720
SeLS-1a-2	2	2	208	12	676
SeLS-1a-2	2	3	274	-18	674
SeLS-1a-3	1	1	-233	-56	624

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-1a-3	1	2	-215	-218	688
SeLS-1a-3	2	1	242	-42	836
SeLS-1a-3	2	2	145	-51	826
SeLS-1a-3	2	3	220	-94	846
SeLS-1a-4	1	1	-103	-58	349
SeLS-1a-4	1	2	-119	-159	453
SeLS-1a-4	2	1	343	-79	491
SeLS-1a-4	2	2	280	-88	498
SeLS-1a-4	2	3	323	-110	513
SeLS-1a-5	1	1	-79	-65	294
SeLS-1a-5	1	2	-89	-142	377
SeLS-1a-5	2	1	363	-100	419
SeLS-1a-5	2	2	308	-108	426
SeLS-1a-5	2	3	347	-123	435
SeLS-1a-5	1	1	-58	-101	236
SeLS-1a-5	1	2	-33	-145	212
SeLS-1a-5	2	1	384	-229	328
SeLS-1a-5	2	2	341	-239	323
SeLS-1a-5	2	3	376	-244	321
SeLS-3-1	1	1	-1100	-886	2863
SeLS-3-1	1	2	-865	-1545	2703
SeLS-3-1	2	1	-227	-1131	3190
SeLS-3-1	2	2	-600	-1181	3064
SeLS-3-1	2	3	-292	-1298	3132
SeLS-3-2	1	1	-846	-755	2382
SeLS-3-2	1	2	-456	-1091	1834
SeLS-3-2	2	1	-20	-909	2550
SeLS-3-2	2	2	-288	-928	2384
SeLS-3-2	2	3	-37	-997	2390
SeLS-3-3	1	1	-949	-808	2578
SeLS-3-3	1	2	-840	-1517	2650
SeLS-3-3	2	1	-135	-1043	2908
SeLS-3-3	2	2	-494	-1104	2833
SeLS-3-3	2	3	-216	-1217	2912
SeLS-3-4	1	1	-483	-584	1684
SeLS-3-4	1	2	-482	-1119	1889
SeLS-3-4	2	1	193	-729	1880
SeLS-3-4	2	2	-59	-790	1879
SeLS-3-4	2	3	121	-855	1923
SeLS-3-5	1	1	-407	-557	1532
SeLS-3-5	1	2	-377	-1006	1663
SeLS-3-5	2	1	255	-680	1681
SeLS-3-5	2	2	29	-736	1682
SeLS-3-5	2	3	193	-785	1707

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-3-6	1	1	-344	-573	1390
SeLS-3-6	1	2	-196	-855	1237
SeLS-3-6	2	1	316	-690	1469
SeLS-3-6	2	2	125	-738	1446
SeLS-3-6	2	3	278	-760	1435
SeLS-4-1	1	1	-283	-223	659
SeLS-4-1	1	2	-230	-378	621
SeLS-4-1	2	1	204	-321	883
SeLS-4-1	2	2	99	-335	846
SeLS-4-1	2	3	187	-367	867
SeLS-4-2	1	1	-214	-182	531
SeLS-4-2	1	2	-117	-241	390
SeLS-4-2	2	1	268	-243	689
SeLS-4-2	2	2	197	-246	638
SeLS-4-2	2	3	266	-263	641
SeLS-4-3	1	1	-243	-199	584
SeLS-4-3	1	2	-223	-369	607
SeLS-4-3	2	1	232	-293	798
SeLS-4-3	2	2	132	-311	776
SeLS-4-3	2	3	210	-343	800
SeLS-4-4	1	1	-108	-120	334
SeLS-4-4	1	2	-125	-250	405
SeLS-4-4	2	1	337	-188	478
SeLS-4-4	2	2	271	-204	479
SeLS-4-4	2	3	317	-223	495
SeLS-4-5	1	1	-84	-106	288
SeLS-4-5	1	2	-94	-213	341
SeLS-4-5	2	1	358	-169	413
SeLS-4-5	2	2	301	-184	414
SeLS-4-5	2	3	341	-197	424
SeLS-4-6	1	1	-62	-100	243
SeLS-4-6	1	2	-36	-150	216
SeLS-4-6	2	1	379	-171	343
SeLS-4-6	2	2	335	-182	337
SeLS-4-6	2	3	371	-188	335
SeLS-6a-1	1	1	-342	-295	833
SeLS-6a-1	1	2	-273	-486	778
SeLS-6a-1	2	1	171	-427	1118
SeLS-6a-1	2	2	38	-447	1071
SeLS-6a-1	2	3	149	-484	1095
SeLS-6a-2	1	1	-269	-250	697
SeLS-6a-2	1	2	-155	-343	536
SeLS-6a-2	2	1	238	-345	915
SeLS-6a-2	2	2	137	-355	859

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-6a-2	2	3	231	-376	860
SeLS-6a-3	1	1	-299	-268	752
SeLS-6a-3	1	2	-266	-477	762
SeLS-6a-3	2	1	201	-397	1027
SeLS-6a-3	2	2	71	-422	1000
SeLS-6a-3	2	3	173	-458	1025
SeLS-6a-4	1	1	-166	-190	505
SeLS-6a-4	1	2	-162	-351	551
SeLS-6a-4	2	1	304	-293	712
SeLS-6a-4	2	2	208	-317	707
SeLS-6a-4	2	3	280	-339	721
SeLS-6a-5	1	1	-144	-178	463
SeLS-6a-5	1	2	-132	-316	489
SeLS-6a-5	2	1	322	-278	655
SeLS-6a-5	2	2	234	-300	651
SeLS-6a-5	2	3	302	-316	656
SeLS-6a-6	1	1	-128	-176	429
SeLS-6a-6	1	2	-82	-262	379
SeLS-6a-6	2	1	341	-285	595
SeLS-6a-6	2	2	262	-305	586
SeLS-6a-6	2	3	326	-314	581
SeLS-6b-1	1	1	-342	-295	833
SeLS-6b-1	1	2	-273	-486	778
SeLS-6b-1	2	1	171	-427	1118
SeLS-6b-1	2	2	38	-447	1071
SeLS-6b-1	2	3	149	-484	1095
SeLS-6b-2	1	1	-269	-250	697
SeLS-6b-2	1	2	-155	-343	536
SeLS-6b-2	2	1	238	-345	915
SeLS-6b-2	2	2	137	-355	859
SeLS-6b-2	2	3	231	-376	860
SeLS-6b-3	1	1	-299	-268	752
SeLS-6b-3	1	2	-266	-477	762
SeLS-6b-3	2	1	201	-397	1027
SeLS-6b-3	2	2	71	-422	1000
SeLS-6b-3	2	3	173	-458	1025
SeLS-6b-4	1	1	-166	-190	505
SeLS-6b-4	1	2	-162	-351	551
SeLS-6b-4	2	1	304	-293	712
SeLS-6b-4	2	2	208	-317	707
SeLS-6b-4	2	3	280	-339	721
SeLS-6b-5	1	1	-144	-178	463
SeLS-6b-5	1	2	-132	-316	489
SeLS-6b-5	2	1	322	-278	655

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-6b-5	2	2	234	-300	651
SeLS-6b-5	2	3	302	-316	656
SeLS-6b-6	1	1	-128	-176	429
SeLS-6b-6	1	2	-82	-262	379
SeLS-6b-6	2	1	341	-285	595
SeLS-6b-6	2	2	262	-305	586
SeLS-6b-6	2	3	326	-314	581
SeLS-7-1	1	1	-58	-97	237
SeLS-7-1	1	2	-33	-146	210
SeLS-7-1	2	1	384	-149	329
SeLS-7-1	2	2	341	-159	323
SeLS-7-1	2	3	376	-165	321
Uplift ULS-1a-4	1	1	-124	-48	427
Uplift ULS-1a-4	1	2	-143	-160	565
Uplift ULS-1a-4	2	1	291	-57	601
Uplift ULS-1a-4	2	2	215	-64	612
Uplift ULS-1a-4	2	3	267	-93	630
Uplift ULS-1a-5	1	1	-95	-63	359
Uplift ULS-1a-5	1	2	-107	-147	469
Uplift ULS-1a-5	2	1	315	-96	511
Uplift ULS-1a-5	2	2	249	-103	521
Uplift ULS-1a-5	2	3	295	-122	531
Uplift 2SpLS-6b-2	1	1	877	-300	836
Uplift 2SpLS-6b-2	1	2	1014	-411	643
Uplift 2SpLS-6b-2	2	1	1365	-414	1098
Uplift 2SpLS-6b-2	2	2	1244	-426	1031
Uplift 2SpLS-6b-2	2	3	1357	-451	1032
Uplift ULS-3-2	1	1	-1015	-850	2882
Uplift ULS-3-2	1	2	-547	-1272	2226
Uplift ULS-3-2	2	1	-145	-1028	3082
Uplift ULS-3-2	2	2	-466	-1052	2885
Uplift ULS-3-2	2	3	-165	-1140	2890
Uplift 2SpLS-3-2	1	1	-1015	-907	2859
Uplift 2SpLS-3-2	1	2	-547	-1309	2201
Uplift 2SpLS-3-2	2	1	-145	-1091	3060
Uplift 2SpLS-3-2	2	2	-466	-1114	2861
Uplift 2SpLS-3-2	2	3	-165	-1197	2868
Uplift 3SpLS-3-2	1	1	-1015	-907	2859
Uplift 3SpLS-3-2	1	2	-547	-1309	2201
Uplift 3SpLS-3-2	2	1	-145	-1091	3060
Uplift 3SpLS-3-2	2	2	-466	-1114	2861
Uplift 3SpLS-3-2	2	3	-165	-1197	2868
Uplift 5SpLS-3-2	1	1	-1015	-907	2859
Uplift 5SpLS-3-2	1	2	-547	-1309	2201

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
Uplift 5SpLS-3-2	2	1	-145	-1091	3060
Uplift 5SpLS-3-2	2	2	-466	-1114	2861
Uplift 5SpLS-3-2	2	3	-165	-1197	2868
Ice on earthwires Ahead	1	1	-632	-455	1603
Ice on earthwires Ahead	1	2	-504	-825	1525
Ice on earthwires Ahead	2	1	93	-598	1904
Ice on earthwires Ahead	2	2	-129	-626	1831
Ice on earthwires Ahead	2	3	55	-699	1872
Ice on earthwires Back	1	1	-1026	-761	2669
Ice on earthwires Back	1	2	-810	-1377	2536
Ice on earthwires Back	2	1	-117	-988	3025
Ice on earthwires Back	2	2	-468	-1033	2908
Ice on earthwires Back	2	3	-178	-1148	2972
Short Circuit Forces	1	1	-58	-97	237
Short Circuit Forces	1	2	-33	-146	210
Short Circuit Forces	2	1	384	-149	329
Short Circuit Forces	2	2	341	-159	323
Short Circuit Forces	2	3	376	-165	321
ULS-1a-1`	1	1	-328	-602	630
ULS-1a-1`	1	2	-266	-752	510
ULS-1a-1`	2	1	258	-973	856
ULS-1a-1`	2	2	137	-1003	791
ULS-1a-1`	2	3	237	-1006	826
ULS-1a-2`	1	1	-247	-475	513
ULS-1a-2`	1	2	-134	-452	336
ULS-1a-2`	2	1	332	-818	676
ULS-1a-2`	2	2	249	-818	609
ULS-1a-2`	2	3	329	-810	621
ULS-1a-3`	1	1	-280	-527	561
ULS-1a-3`	1	2	-258	-734	498
ULS-1a-3`	2	1	290	-854	777
ULS-1a-3`	2	2	174	-894	730
ULS-1a-3`	2	3	264	-902	765
ULS-1a-4`	1	1	-124	-265	339
ULS-1a-4`	1	2	-143	-473	348
ULS-1a-4`	2	1	411	-434	486
ULS-1a-4`	2	2	336	-470	472
ULS-1a-4`	2	3	388	-483	493
ULS-1a-5`	1	1	-95	-206	301
ULS-1a-5`	1	2	-107	-387	302
ULS-1a-5`	2	1	435	-330	432
ULS-1a-5`	2	2	370	-362	423
ULS-1a-5`	2	3	416	-373	434
ULS-1a-6`	1	1	-70	-111	287

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-1a-6`	1	2	-40	-177	252
ULS-1a-6`	2	1	461	-57	396
ULS-1a-6`	2	2	410	-72	389
ULS-1a-6`	2	3	451	-78	385
ULS-3-1`	1	1	-1320	-1721	3166
ULS-3-1`	1	2	-1038	-2454	2828
ULS-3-1`	2	1	-272	-2072	3555
ULS-3-1`	2	2	-721	-2155	3368
ULS-3-1`	2	3	-350	-2240	3466
ULS-3-2`	1	1	-1015	-1411	2652
ULS-3-2`	1	2	-547	-1639	1972
ULS-3-2`	2	1	-24	-1658	2861
ULS-3-2`	2	2	-345	-1676	2647
ULS-3-2`	2	3	-44	-1711	2669
ULS-3-3`	1	1	-1139	-1538	2861
ULS-3-3`	1	2	-1008	-2405	2775
ULS-3-3`	2	1	-163	-1875	3248
ULS-3-3`	2	2	-593	-1979	3122
ULS-3-3`	2	3	-259	-2070	3228
ULS-3-4`	1	1	-580	-942	1922
ULS-3-4`	1	2	-578	-1691	2026
ULS-3-4`	2	1	232	-1151	2146
ULS-3-4`	2	2	-70	-1251	2121
ULS-3-4`	2	3	146	-1314	2177
ULS-3-5`	1	1	-489	-828	1773
ULS-3-5`	1	2	-453	-1475	1810
ULS-3-5`	2	1	306	-998	1943
ULS-3-5`	2	2	35	-1089	1925
ULS-3-5`	2	3	232	-1140	1956
ULS-3-6`	1	1	-413	-676	1672
ULS-3-6`	1	2	-236	-1030	1481
ULS-3-6`	2	1	379	-758	1765
ULS-3-6`	2	2	150	-819	1737
ULS-3-6`	2	3	333	-847	1723
ULS-4-1`	1	1	-339	-374	747
ULS-4-1`	1	2	-277	-550	679
ULS-4-1`	2	1	245	-573	1009
ULS-4-1`	2	2	119	-594	957
ULS-4-1`	2	3	224	-622	985
ULS-4-2`	1	1	-257	-300	604
ULS-4-2`	1	2	-141	-342	431
ULS-4-2`	2	1	322	-459	789
ULS-4-2`	2	2	236	-461	726
ULS-4-2`	2	3	319	-474	732

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-4-3`	1	1	-291	-331	664
ULS-4-3`	1	2	-268	-537	663
ULS-4-3`	2	1	279	-513	912
ULS-4-3`	2	2	158	-540	879
ULS-4-3`	2	3	252	-569	911
ULS-4-4`	1	1	-130	-182	385
ULS-4-4`	1	2	-150	-356	447
ULS-4-4`	2	1	404	-293	553
ULS-4-4`	2	2	325	-318	549
ULS-4-4`	2	3	380	-338	569
ULS-4-5`	1	1	-100	-154	335
ULS-4-5`	1	2	-113	-299	380
ULS-4-5`	2	1	429	-245	482
ULS-4-5`	2	2	361	-267	480
ULS-4-5`	2	3	409	-282	491
ULS-4-6`	1	1	-74	-118	292
ULS-4-6`	1	2	-43	-180	259
ULS-4-6`	2	1	455	-162	412
ULS-4-6`	2	2	402	-176	405
ULS-4-6`	2	3	445	-182	402
ULS-5a-1`	1	1	-58	-97	237
ULS-5a-1`	1	2	-33	-146	210
ULS-5a-1`	2	1	384	-149	329
ULS-5a-1`	2	2	341	-159	323
ULS-5a-1`	2	3	376	-165	321
ULS-5a-2`	1	1	-58	-97	237
ULS-5a-2`	1	2	-33	-146	210
ULS-5a-2`	2	1	384	-149	329
ULS-5a-2`	2	2	341	-159	323
ULS-5a-2`	2	3	376	-165	321
ULS-5a-3`	1	1	-58	-97	237
ULS-5a-3`	1	2	-33	-146	210
ULS-5a-3`	2	1	384	-149	329
ULS-5a-3`	2	2	341	-159	323
ULS-5a-3`	2	3	376	-165	321
ULS-5a-4`	1	1	-58	-97	237
ULS-5a-4`	1	2	-33	-146	210
ULS-5a-4`	2	1	384	-149	329
ULS-5a-4`	2	2	341	-159	323
ULS-5a-4`	2	3	376	-165	321
ULS-5a-5`	1	1	-58	-97	237
ULS-5a-5`	1	2	-33	-146	210
ULS-5a-5`	2	1	384	-149	329
ULS-5a-5`	2	2	341	-159	323

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-5`	2	3	376	-165	321
ULS-5a-6`	1	1	-58	-97	237
ULS-5a-6`	1	2	-33	-146	210
ULS-5a-6`	2	1	384	-149	329
ULS-5a-6`	2	2	341	-159	323
ULS-5a-6`	2	3	376	-165	321
ULS-5a-7`	1	2	-33	-146	210
ULS-5a-7`	2	1	384	-149	329
ULS-5a-7`	2	2	341	-159	323
ULS-5a-7`	2	3	376	-165	321
ULS-5a-8`	1	1	-58	-97	237
ULS-5a-8`	2	1	384	-149	329
ULS-5a-8`	2	2	341	-159	323
ULS-5a-8`	2	3	376	-165	321
ULS-5a-9`	1	1	-58	-97	237
ULS-5a-9`	1	2	-33	-146	210
ULS-5a-9`	2	1	384	-149	329
ULS-5a-9`	2	2	341	-159	323
ULS-5a-9`	2	3	376	-165	321
ULS-5a-10`	1	1	-58	-97	237
ULS-5a-10`	1	2	-33	-146	210
ULS-5a-10`	2	1	384	-149	329
ULS-5a-10`	2	2	341	-159	323
ULS-5a-10`	2	3	376	-165	321
ULS-5a-11`	1	1	-58	-97	237
ULS-5a-11`	1	2	-33	-146	210
ULS-5a-11`	2	1	384	-149	329
ULS-5a-11`	2	2	341	-159	323
ULS-5a-11`	2	3	376	-165	321
ULS-5a-12`	1	1	-58	-97	237
ULS-5a-12`	1	2	-33	-146	210
ULS-5a-12`	2	1	384	-149	329
ULS-5a-12`	2	2	341	-159	323
ULS-5a-12`	2	3	376	-165	321
ULS-5a-13`	1	1	-58	-97	237
ULS-5a-13`	1	2	-33	-146	210
ULS-5a-13`	2	1	384	-149	329
ULS-5a-13`	2	2	341	-159	323
ULS-5a-13`	2	3	376	-165	321
ULS-5a-14`	1	1	-58	-97	237
ULS-5a-14`	1	2	-33	-146	210
ULS-5a-14`	2	1	384	-149	329
ULS-5a-14`	2	2	341	-159	323
ULS-5a-14`	2	3	376	-165	321

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-5a-15`	1	1	-58	-97	237
ULS-5a-15`	1	2	-33	-146	210
ULS-5a-15`	2	1	384	-149	329
ULS-5a-15`	2	2	341	-159	323
ULS-5a-15`	2	3	376	-165	321
ULS-5a-16`	1	1	-58	-97	237
ULS-5a-16`	1	2	-33	-146	210
ULS-5a-16`	2	1	384	-149	329
ULS-5a-16`	2	2	341	-159	323
ULS-5a-16`	2	3	376	-165	321
ULS-5a-17`	1	1	-58	-97	237
ULS-5a-17`	1	2	-33	-146	210
ULS-5a-17`	2	1	384	-149	329
ULS-5a-17`	2	2	341	-159	323
ULS-5a-17`	2	3	376	-165	321
ULS-5a-18`	1	1	-58	-97	237
ULS-5a-18`	1	2	-33	-146	210
ULS-5a-18`	2	1	384	-149	329
ULS-5a-18`	2	2	341	-159	323
ULS-5a-18`	2	3	376	-165	321
ULS-5b-2`	1	1	-58	-97	237
ULS-5b-2`	1	2	-33	-146	210
ULS-5b-2`	2	1	384	-149	329
ULS-5b-2`	2	2	341	-159	323
ULS-5b-2`	2	3	376	-165	321
ULS-6a-1`	1	1	-411	-459	956
ULS-6a-1`	1	2	-328	-680	866
ULS-6a-1`	2	1	206	-700	1290
ULS-6a-1`	2	2	45	-727	1228
ULS-6a-1`	2	3	179	-762	1259
ULS-6a-2`	1	1	-323	-381	803
ULS-6a-2`	1	2	-186	-464	607
ULS-6a-2`	2	1	286	-581	1060
ULS-6a-2`	2	2	165	-592	991
ULS-6a-2`	2	3	278	-608	994
ULS-6a-3`	1	1	-358	-413	865
ULS-6a-3`	1	2	-319	-666	850
ULS-6a-3`	2	1	241	-637	1187
ULS-6a-3`	2	2	86	-672	1148
ULS-6a-3`	2	3	208	-707	1180
ULS-6a-4`	1	1	-200	-266	590
ULS-6a-4`	1	2	-195	-478	623
ULS-6a-4`	2	1	365	-420	834
ULS-6a-4`	2	2	250	-453	824

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-6a-4`	2	3	336	-477	840
ULS-6a-5`	1	1	-173	-239	545
ULS-6a-5`	1	2	-159	-422	557
ULS-6a-5`	2	1	387	-376	772
ULS-6a-5`	2	2	281	-407	763
ULS-6a-5`	2	3	362	-424	769
ULS-6a-6`	1	1	-153	-209	515
ULS-6a-6`	1	2	-98	-316	455
ULS-6a-6`	2	1	409	-298	714
ULS-6a-6`	2	2	315	-323	703
ULS-6a-6`	2	3	392	-334	697
ULS-6b-1`	1	1	789	-459	956
ULS-6b-1`	1	2	872	-680	866
ULS-6b-1`	2	1	1406	-700	1290
ULS-6b-1`	2	2	1245	-727	1228
ULS-6b-1`	2	3	1379	-762	1259
ULS-6b-2`	1	1	877	-381	803
ULS-6b-2`	1	2	1014	-464	607
ULS-6b-2`	2	1	1486	-581	1060
ULS-6b-2`	2	2	1365	-592	991
ULS-6b-2`	2	3	1478	-608	994
ULS-6b-3`	1	1	842	-413	865
ULS-6b-3`	1	2	881	-666	850
ULS-6b-3`	2	1	1441	-637	1187
ULS-6b-3`	2	2	1286	-672	1148
ULS-6b-3`	2	3	1408	-707	1180
ULS-6b-4`	1	1	1000	-266	590
ULS-6b-4`	1	2	1005	-478	623
ULS-6b-4`	2	1	1565	-420	834
ULS-6b-4`	2	2	1450	-453	824
ULS-6b-4`	2	3	1536	-477	840
ULS-6b-5`	1	1	1027	-239	545
ULS-6b-5`	1	2	1041	-422	557
ULS-6b-5`	2	1	1587	-376	772
ULS-6b-5`	2	2	1481	-407	763
ULS-6b-5`	2	3	1562	-424	769
ULS-6b-6`	1	1	1047	-209	515
ULS-6b-6`	1	2	1102	-316	455
ULS-6b-6`	2	1	1609	-298	714
ULS-6b-6`	2	2	1515	-323	703
ULS-6b-6`	2	3	1592	-334	697
ULS-7-1`	1	1	-78	-131	320
ULS-7-1`	1	2	-44	-197	284
ULS-7-1`	2	1	518	-200	444

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
ULS-7-1`	2	2	461	-215	437
ULS-7-1`	2	3	507	-222	433
ULS-8-1`	1	1	-124	-145	355
ULS-8-1`	1	2	-87	-219	315
ULS-8-1`	2	1	329	-223	493
ULS-8-1`	2	2	263	-239	485
ULS-8-1`	2	3	318	-247	481
SpLS-1a-1`	1	2	-266	-623	599
SpLS-1a-1`	2	1	258	-723	925
SpLS-1a-1`	2	2	137	-747	868
SpLS-1a-1`	2	3	237	-764	900
SpLS-1a-2`	1	2	-134	-381	385
SpLS-1a-2`	2	1	332	-595	726
SpLS-1a-2`	2	2	249	-596	662
SpLS-1a-2`	2	3	329	-600	671
SpLS-1a-3`	1	2	-258	-608	585
SpLS-1a-3`	2	1	290	-640	837
SpLS-1a-3`	2	2	174	-672	799
SpLS-1a-3`	2	3	264	-692	831
SpLS-1a-4`	1	2	-143	-398	400
SpLS-1a-4`	2	1	411	-344	514
SpLS-1a-4`	2	2	336	-373	506
SpLS-1a-4`	2	3	388	-389	526
SpLS-1a-5`	1	2	-107	-330	342
SpLS-1a-5`	2	1	435	-274	451
SpLS-1a-5`	2	2	370	-300	446
SpLS-1a-5`	2	3	416	-313	457
SpLS-1a-6`	1	2	-40	-176	252
SpLS-1a-6`	2	1	461	-115	395
SpLS-1a-6`	2	2	410	-129	388
SpLS-1a-6`	2	3	451	-136	385
SpLS-3-1`	1	2	-1038	-2387	2874
SpLS-3-1`	2	1	-272	-1993	3585
SpLS-3-1`	2	2	-721	-2073	3402
SpLS-3-1`	2	3	-350	-2164	3499
SpLS-3-2`	1	2	-547	-1602	1998
SpLS-3-2`	2	1	-24	-1595	2883
SpLS-3-2`	2	2	-345	-1613	2670
SpLS-3-2`	2	3	-44	-1654	2691
SpLS-3-3`	1	2	-1008	-2340	2820
SpLS-3-3`	2	1	-163	-1806	3275
SpLS-3-3`	2	2	-593	-1906	3153
SpLS-3-3`	2	3	-259	-2002	3258
SpLS-3-4`	1	2	-578	-1652	2052

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-3-4`	2	1	232	-1120	2158
SpLS-3-4`	2	2	-70	-1217	2136
SpLS-3-4`	2	3	146	-1282	2191
SpLS-3-5`	1	2	-453	-1445	1830
SpLS-3-5`	2	1	306	-978	1951
SpLS-3-5`	2	2	35	-1066	1935
SpLS-3-5`	2	3	232	-1118	1966
SpLS-3-6`	1	2	-236	-1030	1481
SpLS-3-6`	2	1	379	-766	1765
SpLS-3-6`	2	2	150	-826	1737
SpLS-3-6`	2	3	333	-854	1723
SpLS-4-1`	1	2	-277	-539	686
SpLS-4-1`	2	1	245	-552	1014
SpLS-4-1`	2	2	119	-573	963
SpLS-4-1`	2	3	224	-602	991
SpLS-4-2`	1	2	-141	-336	435
SpLS-4-2`	2	1	322	-440	793
SpLS-4-2`	2	2	236	-443	730
SpLS-4-2`	2	3	319	-456	736
SpLS-4-3`	1	2	-268	-527	670
SpLS-4-3`	2	1	279	-495	917
SpLS-4-3`	2	2	158	-522	885
SpLS-4-3`	2	3	252	-551	916
SpLS-4-4`	1	2	-150	-350	452
SpLS-4-4`	2	1	404	-285	556
SpLS-4-4`	2	2	325	-310	552
SpLS-4-4`	2	3	380	-330	572
SpLS-4-5`	1	2	-113	-294	383
SpLS-4-5`	2	1	429	-240	483
SpLS-4-5`	2	2	361	-262	482
SpLS-4-5`	2	3	409	-277	493
SpLS-4-6`	1	2	-43	-180	259
SpLS-4-6`	2	1	455	-166	412
SpLS-4-6`	2	2	402	-180	405
SpLS-4-6`	2	3	445	-187	402
SpLS-6a-1`	1	2	-328	-669	874
SpLS-6a-1`	2	1	206	-679	1296
SpLS-6a-1`	2	2	45	-706	1234
SpLS-6a-1`	2	3	179	-742	1265
SpLS-6a-2`	1	2	-186	-458	611
SpLS-6a-2`	2	1	286	-563	1064
SpLS-6a-2`	2	2	165	-573	995
SpLS-6a-2`	2	3	278	-590	998
SpLS-6a-3`	1	2	-319	-656	857

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SpLS-6a-3`	2	1	241	-619	1192
SpLS-6a-3`	2	2	86	-654	1153
SpLS-6a-3`	2	3	208	-689	1186
SpLS-6a-4`	1	2	-195	-471	627
SpLS-6a-4`	2	1	365	-412	836
SpLS-6a-4`	2	2	250	-445	827
SpLS-6a-4`	2	3	336	-469	843
SpLS-6a-5`	1	2	-159	-417	561
SpLS-6a-5`	2	1	387	-371	773
SpLS-6a-5`	2	2	281	-402	765
SpLS-6a-5`	2	3	362	-419	771
SpLS-6a-6`	1	2	-98	-316	455
SpLS-6a-6`	2	1	409	-303	714
SpLS-6a-6`	2	2	315	-327	703
SpLS-6a-6`	2	3	392	-338	697
SpLS-6b-1`	1	2	872	-669	874
SpLS-6b-1`	2	1	1406	-679	1296
SpLS-6b-1`	2	2	1245	-706	1234
SpLS-6b-1`	2	3	1379	-742	1265
SpLS-6b-2`	1	2	1014	-458	611
SpLS-6b-2`	2	1	1486	-563	1064
SpLS-6b-2`	2	2	1365	-573	995
SpLS-6b-2`	2	3	1478	-590	998
SpLS-6b-3`	1	2	881	-656	857
SpLS-6b-3`	2	1	1441	-619	1192
SpLS-6b-3`	2	2	1286	-654	1153
SpLS-6b-3`	2	3	1408	-689	1186
SpLS-6b-4`	1	2	1005	-471	627
SpLS-6b-4`	2	1	1565	-412	836
SpLS-6b-4`	2	2	1450	-445	827
SpLS-6b-4`	2	3	1536	-469	843
SpLS-6b-5`	1	2	1041	-417	561
SpLS-6b-5`	2	1	1587	-371	773
SpLS-6b-5`	2	2	1481	-402	765
SpLS-6b-5`	2	3	1562	-419	771
SpLS-6b-6`	1	2	1102	-316	455
SpLS-6b-6`	2	1	1609	-303	714
SpLS-6b-6`	2	2	1515	-327	703
SpLS-6b-6`	2	3	1592	-338	697
1SpLS-1a-1`	1	1	-328	-460	688
1SpLS-1a-1`	2	1	258	-723	925
1SpLS-1a-1`	2	2	137	-747	868
1SpLS-1a-1`	2	3	237	-764	900
1SpLS-1a-2`	1	1	-247	-366	558

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-1a-2`	2	1	332	-595	726
1SpLS-1a-2`	2	2	249	-596	662
1SpLS-1a-2`	2	3	329	-600	671
1SpLS-1a-3`	1	1	-280	-405	611
1SpLS-1a-3`	2	1	290	-640	837
1SpLS-1a-3`	2	2	174	-672	799
1SpLS-1a-3`	2	3	264	-692	831
1SpLS-1a-4`	1	1	-124	-213	360
1SpLS-1a-4`	2	1	411	-344	514
1SpLS-1a-4`	2	2	336	-373	506
1SpLS-1a-4`	2	3	388	-389	526
1SpLS-1a-5`	1	1	-95	-172	315
1SpLS-1a-5`	2	1	435	-274	451
1SpLS-1a-5`	2	2	370	-300	446
1SpLS-1a-5`	2	3	416	-313	457
1SpLS-1a-6`	1	1	-70	-114	286
1SpLS-1a-6`	2	1	461	-115	395
1SpLS-1a-6`	2	2	410	-129	388
1SpLS-1a-6`	2	3	451	-136	385
1SpLS-3-1`	1	1	-1320	-1648	3196
1SpLS-3-1`	2	1	-272	-1993	3585
1SpLS-3-1`	2	2	-721	-2073	3402
1SpLS-3-1`	2	3	-350	-2164	3499
1SpLS-3-2`	1	1	-1015	-1355	2675
1SpLS-3-2`	2	1	-24	-1595	2883
1SpLS-3-2`	2	2	-345	-1613	2670
1SpLS-3-2`	2	3	-44	-1654	2691
1SpLS-3-3`	1	1	-1139	-1475	2887
1SpLS-3-3`	2	1	-163	-1806	3275
1SpLS-3-3`	2	2	-593	-1906	3153
1SpLS-3-3`	2	3	-259	-2002	3258
1SpLS-3-4`	1	1	-580	-915	1933
1SpLS-3-4`	2	1	232	-1120	2158
1SpLS-3-4`	2	2	-70	-1217	2136
1SpLS-3-4`	2	3	146	-1282	2191
1SpLS-3-5`	1	1	-489	-811	1781
1SpLS-3-5`	2	1	306	-978	1951
1SpLS-3-5`	2	2	35	-1066	1935
1SpLS-3-5`	2	3	232	-1118	1966
1SpLS-3-6`	1	1	-413	-677	1672
1SpLS-3-6`	2	1	379	-766	1765
1SpLS-3-6`	2	2	150	-826	1737
1SpLS-3-6`	2	3	333	-854	1723
1SpLS-4-1`	1	1	-339	-363	752

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-4-1`	2	1	245	-552	1014
1SpLS-4-1`	2	2	119	-573	963
1SpLS-4-1`	2	3	224	-602	991
1SpLS-4-2`	1	1	-257	-291	608
1SpLS-4-2`	2	1	322	-440	793
1SpLS-4-2`	2	2	236	-443	730
1SpLS-4-2`	2	3	319	-456	736
1SpLS-4-3`	1	1	-291	-321	668
1SpLS-4-3`	2	1	279	-495	917
1SpLS-4-3`	2	2	158	-522	885
1SpLS-4-3`	2	3	252	-551	916
1SpLS-4-4`	1	1	-130	-178	386
1SpLS-4-4`	2	1	404	-285	556
1SpLS-4-4`	2	2	325	-310	552
1SpLS-4-4`	2	3	380	-330	572
1SpLS-4-5`	1	1	-100	-151	336
1SpLS-4-5`	2	1	429	-240	483
1SpLS-4-5`	2	2	361	-262	482
1SpLS-4-5`	2	3	409	-277	493
1SpLS-4-6`	1	1	-74	-118	292
1SpLS-4-6`	2	1	455	-166	412
1SpLS-4-6`	2	2	402	-180	405
1SpLS-4-6`	2	3	445	-187	402
1SpLS-6a-1`	1	1	-411	-448	961
1SpLS-6a-1`	2	1	206	-679	1296
1SpLS-6a-1`	2	2	45	-706	1234
1SpLS-6a-1`	2	3	179	-742	1265
1SpLS-6a-2`	1	1	-323	-372	806
1SpLS-6a-2`	2	1	286	-563	1064
1SpLS-6a-2`	2	2	165	-573	995
1SpLS-6a-2`	2	3	278	-590	998
1SpLS-6a-3`	1	1	-358	-403	869
1SpLS-6a-3`	2	1	241	-619	1192
1SpLS-6a-3`	2	2	86	-654	1153
1SpLS-6a-3`	2	3	208	-689	1186
1SpLS-6a-4`	1	1	-200	-262	592
1SpLS-6a-4`	2	1	365	-412	836
1SpLS-6a-4`	2	2	250	-445	827
1SpLS-6a-4`	2	3	336	-469	843
1SpLS-6a-5`	1	1	-173	-237	546
1SpLS-6a-5`	2	1	387	-371	773
1SpLS-6a-5`	2	2	281	-402	765
1SpLS-6a-5`	2	3	362	-419	771
1SpLS-6a-6`	1	1	-153	-209	515

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
1SpLS-6a-6`	2	1	409	-303	714
1SpLS-6a-6`	2	2	315	-327	703
1SpLS-6a-6`	2	3	392	-338	697
1SpLS-6b-1`	1	1	789	-448	961
1SpLS-6b-1`	2	1	1406	-679	1296
1SpLS-6b-1`	2	2	1245	-706	1234
1SpLS-6b-1`	2	3	1379	-742	1265
1SpLS-6b-2`	1	1	877	-372	806
1SpLS-6b-2`	2	1	1486	-563	1064
1SpLS-6b-2`	2	2	1365	-573	995
1SpLS-6b-2`	2	3	1478	-590	998
1SpLS-6b-3`	1	1	842	-403	869
1SpLS-6b-3`	2	1	1441	-619	1192
1SpLS-6b-3`	2	2	1286	-654	1153
1SpLS-6b-3`	2	3	1408	-689	1186
1SpLS-6b-4`	1	1	1000	-262	592
1SpLS-6b-4`	2	1	1565	-412	836
1SpLS-6b-4`	2	2	1450	-445	827
1SpLS-6b-4`	2	3	1536	-469	843
1SpLS-6b-5`	1	1	1027	-237	546
1SpLS-6b-5`	2	1	1587	-371	773
1SpLS-6b-5`	2	2	1481	-402	765
1SpLS-6b-5`	2	3	1562	-419	771
1SpLS-6b-6`	1	1	1047	-209	515
1SpLS-6b-6`	2	1	1609	-303	714
1SpLS-6b-6`	2	2	1515	-327	703
1SpLS-6b-6`	2	3	1592	-338	697
2SpLS-1a-1`	1	1	-328	-460	688
2SpLS-1a-1`	1	2	-266	-623	599
2SpLS-1a-1`	2	1	258	-723	925
2SpLS-1a-1`	2	2	137	-747	868
2SpLS-1a-1`	2	3	237	-764	900
2SpLS-1a-2`	1	1	-247	-366	558
2SpLS-1a-2`	1	2	-134	-381	385
2SpLS-1a-2`	2	1	332	-595	726
2SpLS-1a-2`	2	2	249	-596	662
2SpLS-1a-2`	2	3	329	-600	671
2SpLS-1a-3`	1	1	-280	-405	611
2SpLS-1a-3`	1	2	-258	-608	585
2SpLS-1a-3`	2	1	290	-640	837
2SpLS-1a-3`	2	2	174	-672	799
2SpLS-1a-3`	2	3	264	-692	831
2SpLS-1a-4`	1	1	-124	-213	360
2SpLS-1a-4`	1	2	-143	-398	400

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-1a-4`	2	1	411	-344	514
2SpLS-1a-4`	2	2	336	-373	506
2SpLS-1a-4`	2	3	388	-389	526
2SpLS-1a-5`	1	1	-95	-172	315
2SpLS-1a-5`	1	2	-107	-330	342
2SpLS-1a-5`	2	1	435	-274	451
2SpLS-1a-5`	2	2	370	-300	446
2SpLS-1a-5`	2	3	416	-313	457
2SpLS-1a-6`	1	1	-70	-114	286
2SpLS-1a-6`	1	2	-40	-176	252
2SpLS-1a-6`	2	1	461	-115	395
2SpLS-1a-6`	2	2	410	-129	388
2SpLS-1a-6`	2	3	451	-136	385
2SpLS-3-1`	1	1	-1320	-1648	3196
2SpLS-3-1`	1	2	-1038	-2387	2874
2SpLS-3-1`	2	1	-272	-1993	3585
2SpLS-3-1`	2	2	-721	-2073	3402
2SpLS-3-1`	2	3	-350	-2164	3499
2SpLS-3-2`	1	1	-1015	-1355	2675
2SpLS-3-2`	1	2	-547	-1602	1998
2SpLS-3-2`	2	1	-24	-1595	2883
2SpLS-3-2`	2	2	-345	-1613	2670
2SpLS-3-2`	2	3	-44	-1654	2691
2SpLS-3-3`	1	1	-1139	-1475	2887
2SpLS-3-3`	1	2	-1008	-2340	2820
2SpLS-3-3`	2	1	-163	-1806	3275
2SpLS-3-3`	2	2	-593	-1906	3153
2SpLS-3-3`	2	3	-259	-2002	3258
2SpLS-3-4`	1	1	-580	-915	1933
2SpLS-3-4`	1	2	-578	-1652	2052
2SpLS-3-4`	2	1	232	-1120	2158
2SpLS-3-4`	2	2	-70	-1217	2136
2SpLS-3-4`	2	3	146	-1282	2191
2SpLS-3-5`	1	1	-489	-811	1781
2SpLS-3-5`	1	2	-453	-1445	1830
2SpLS-3-5`	2	1	306	-978	1951
2SpLS-3-5`	2	2	35	-1066	1935
2SpLS-3-5`	2	3	232	-1118	1966
2SpLS-3-6`	1	1	-413	-677	1672
2SpLS-3-6`	1	2	-236	-1030	1481
2SpLS-3-6`	2	1	379	-766	1765
2SpLS-3-6`	2	2	150	-826	1737
2SpLS-3-6`	2	3	333	-854	1723
2SpLS-4-1`	1	1	-339	-363	752

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-4-1`	1	2	-277	-539	686
2SpLS-4-1`	2	1	245	-552	1014
2SpLS-4-1`	2	2	119	-573	963
2SpLS-4-1`	2	3	224	-602	991
2SpLS-4-2`	1	1	-257	-291	608
2SpLS-4-2`	1	2	-141	-336	435
2SpLS-4-2`	2	1	322	-440	793
2SpLS-4-2`	2	2	236	-443	730
2SpLS-4-2`	2	3	319	-456	736
2SpLS-4-3`	1	1	-291	-321	668
2SpLS-4-3`	1	2	-268	-527	670
2SpLS-4-3`	2	1	279	-495	917
2SpLS-4-3`	2	2	158	-522	885
2SpLS-4-3`	2	3	252	-551	916
2SpLS-4-4`	1	1	-130	-178	386
2SpLS-4-4`	1	2	-150	-350	452
2SpLS-4-4`	2	1	404	-285	556
2SpLS-4-4`	2	2	325	-310	552
2SpLS-4-4`	2	3	380	-330	572
2SpLS-4-5`	1	1	-100	-151	336
2SpLS-4-5`	1	2	-113	-294	383
2SpLS-4-5`	2	1	429	-240	483
2SpLS-4-5`	2	2	361	-262	482
2SpLS-4-5`	2	3	409	-277	493
2SpLS-4-6`	1	1	-74	-118	292
2SpLS-4-6`	1	2	-43	-180	259
2SpLS-4-6`	2	1	455	-166	412
2SpLS-4-6`	2	2	402	-180	405
2SpLS-4-6`	2	3	445	-187	402
2SpLS-6a-1`	1	1	-411	-448	961
2SpLS-6a-1`	1	2	-328	-669	874
2SpLS-6a-1`	2	1	206	-679	1296
2SpLS-6a-1`	2	2	45	-706	1234
2SpLS-6a-1`	2	3	179	-742	1265
2SpLS-6a-2`	1	1	-323	-372	806
2SpLS-6a-2`	1	2	-186	-458	611
2SpLS-6a-2`	2	1	286	-563	1064
2SpLS-6a-2`	2	2	165	-573	995
2SpLS-6a-2`	2	3	278	-590	998
2SpLS-6a-3`	1	1	-358	-403	869
2SpLS-6a-3`	1	2	-319	-656	857
2SpLS-6a-3`	2	1	241	-619	1192
2SpLS-6a-3`	2	2	86	-654	1153
2SpLS-6a-3`	2	3	208	-689	1186

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-6a-4`	1	1	-200	-262	592
2SpLS-6a-4`	1	2	-195	-471	627
2SpLS-6a-4`	2	1	365	-412	836
2SpLS-6a-4`	2	2	250	-445	827
2SpLS-6a-4`	2	3	336	-469	843
2SpLS-6a-5`	1	1	-173	-237	546
2SpLS-6a-5`	1	2	-159	-417	561
2SpLS-6a-5`	2	1	387	-371	773
2SpLS-6a-5`	2	2	281	-402	765
2SpLS-6a-5`	2	3	362	-419	771
2SpLS-6a-6`	1	1	-153	-209	515
2SpLS-6a-6`	1	2	-98	-316	455
2SpLS-6a-6`	2	1	409	-303	714
2SpLS-6a-6`	2	2	315	-327	703
2SpLS-6a-6`	2	3	392	-338	697
2SpLS-6b-1`	1	1	789	-448	961
2SpLS-6b-1`	1	2	872	-669	874
2SpLS-6b-1`	2	1	1406	-679	1296
2SpLS-6b-1`	2	2	1245	-706	1234
2SpLS-6b-1`	2	3	1379	-742	1265
2SpLS-6b-2`	1	1	877	-372	806
2SpLS-6b-2`	1	2	1014	-458	611
2SpLS-6b-2`	2	1	1486	-563	1064
2SpLS-6b-2`	2	2	1365	-573	995
2SpLS-6b-2`	2	3	1478	-590	998
2SpLS-6b-3`	1	1	842	-403	869
2SpLS-6b-3`	1	2	881	-656	857
2SpLS-6b-3`	2	1	1441	-619	1192
2SpLS-6b-3`	2	2	1286	-654	1153
2SpLS-6b-3`	2	3	1408	-689	1186
2SpLS-6b-4`	1	1	1000	-262	592
2SpLS-6b-4`	1	2	1005	-471	627
2SpLS-6b-4`	2	1	1565	-412	836
2SpLS-6b-4`	2	2	1450	-445	827
2SpLS-6b-4`	2	3	1536	-469	843
2SpLS-6b-5`	1	1	1027	-237	546
2SpLS-6b-5`	1	2	1041	-417	561
2SpLS-6b-5`	2	1	1587	-371	773
2SpLS-6b-5`	2	2	1481	-402	765
2SpLS-6b-5`	2	3	1562	-419	771
2SpLS-6b-6`	1	1	1047	-209	515
2SpLS-6b-6`	1	2	1102	-316	455
2SpLS-6b-6`	2	1	1609	-303	714
2SpLS-6b-6`	2	2	1515	-327	703

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
2SpLS-6b-6`	2	3	1592	-338	697
3SpLS-1a-1`	1	1	-328	-460	688
3SpLS-1a-1`	1	2	-266	-623	599
3SpLS-1a-1`	2	1	258	-723	925
3SpLS-1a-1`	2	2	137	-747	868
3SpLS-1a-1`	2	3	237	-764	900
3SpLS-1a-2`	1	1	-247	-366	558
3SpLS-1a-2`	1	2	-134	-381	385
3SpLS-1a-2`	2	1	332	-595	726
3SpLS-1a-2`	2	2	249	-596	662
3SpLS-1a-2`	2	3	329	-600	671
3SpLS-1a-3`	1	1	-280	-405	611
3SpLS-1a-3`	1	2	-258	-608	585
3SpLS-1a-3`	2	1	290	-640	837
3SpLS-1a-3`	2	2	174	-672	799
3SpLS-1a-3`	2	3	264	-692	831
3SpLS-1a-4`	1	1	-124	-213	360
3SpLS-1a-4`	1	2	-143	-398	400
3SpLS-1a-4`	2	1	411	-344	514
3SpLS-1a-4`	2	2	336	-373	506
3SpLS-1a-4`	2	3	388	-389	526
3SpLS-1a-5`	1	1	-95	-172	315
3SpLS-1a-5`	1	2	-107	-330	342
3SpLS-1a-5`	2	1	435	-274	451
3SpLS-1a-5`	2	2	370	-300	446
3SpLS-1a-5`	2	3	416	-313	457
3SpLS-1a-6`	1	1	-70	-114	286
3SpLS-1a-6`	1	2	-40	-176	252
3SpLS-1a-6`	2	1	461	-115	395
3SpLS-1a-6`	2	2	410	-129	388
3SpLS-1a-6`	2	3	451	-136	385
3SpLS-3-1`	1	1	-1320	-1648	3196
3SpLS-3-1`	1	2	-1038	-2387	2874
3SpLS-3-1`	2	1	-272	-1993	3585
3SpLS-3-1`	2	2	-721	-2073	3402
3SpLS-3-1`	2	3	-350	-2164	3499
3SpLS-3-2`	1	1	-1015	-1355	2675
3SpLS-3-2`	1	2	-547	-1602	1998
3SpLS-3-2`	2	1	-24	-1595	2883
3SpLS-3-2`	2	2	-345	-1613	2670
3SpLS-3-2`	2	3	-44	-1654	2691
3SpLS-3-3`	1	1	-1139	-1475	2887
3SpLS-3-3`	1	2	-1008	-2340	2820
3SpLS-3-3`	2	1	-163	-1806	3275

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-3-3`	2	2	-593	-1906	3153
3SpLS-3-3`	2	3	-259	-2002	3258
3SpLS-3-4`	1	1	-580	-915	1933
3SpLS-3-4`	1	2	-578	-1652	2052
3SpLS-3-4`	2	1	232	-1120	2158
3SpLS-3-4`	2	2	-70	-1217	2136
3SpLS-3-4`	2	3	146	-1282	2191
3SpLS-3-5`	1	1	-489	-811	1781
3SpLS-3-5`	1	2	-453	-1445	1830
3SpLS-3-5`	2	1	306	-978	1951
3SpLS-3-5`	2	2	35	-1066	1935
3SpLS-3-5`	2	3	232	-1118	1966
3SpLS-3-6`	1	1	-413	-677	1672
3SpLS-3-6`	1	2	-236	-1030	1481
3SpLS-3-6`	2	1	379	-766	1765
3SpLS-3-6`	2	2	150	-826	1737
3SpLS-3-6`	2	3	333	-854	1723
3SpLS-4-1`	1	1	-339	-363	752
3SpLS-4-1`	1	2	-277	-539	686
3SpLS-4-1`	2	1	245	-552	1014
3SpLS-4-1`	2	2	119	-573	963
3SpLS-4-1`	2	3	224	-602	991
3SpLS-4-2`	1	1	-257	-291	608
3SpLS-4-2`	1	2	-141	-336	435
3SpLS-4-2`	2	1	322	-440	793
3SpLS-4-2`	2	2	236	-443	730
3SpLS-4-2`	2	3	319	-456	736
3SpLS-4-3`	1	1	-291	-321	668
3SpLS-4-3`	1	2	-268	-527	670
3SpLS-4-3`	2	1	279	-495	917
3SpLS-4-3`	2	2	158	-522	885
3SpLS-4-3`	2	3	252	-551	916
3SpLS-4-4`	1	1	-130	-178	386
3SpLS-4-4`	1	2	-150	-350	452
3SpLS-4-4`	2	1	404	-285	556
3SpLS-4-4`	2	2	325	-310	552
3SpLS-4-4`	2	3	380	-330	572
3SpLS-4-5`	1	1	-100	-151	336
3SpLS-4-5`	1	2	-113	-294	383
3SpLS-4-5`	2	1	429	-240	483
3SpLS-4-5`	2	2	361	-262	482
3SpLS-4-5`	2	3	409	-277	493
3SpLS-4-6`	1	1	-74	-118	292
3SpLS-4-6`	1	2	-43	-180	259

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-4-6`	2	1	455	-166	412
3SpLS-4-6`	2	2	402	-180	405
3SpLS-4-6`	2	3	445	-187	402
3SpLS-6a-1`	1	1	-411	-448	961
3SpLS-6a-1`	1	2	-328	-669	874
3SpLS-6a-1`	2	1	206	-679	1296
3SpLS-6a-1`	2	2	45	-706	1234
3SpLS-6a-1`	2	3	179	-742	1265
3SpLS-6a-2`	1	1	-323	-372	806
3SpLS-6a-2`	1	2	-186	-458	611
3SpLS-6a-2`	2	1	286	-563	1064
3SpLS-6a-2`	2	2	165	-573	995
3SpLS-6a-2`	2	3	278	-590	998
3SpLS-6a-3`	1	1	-358	-403	869
3SpLS-6a-3`	1	2	-319	-656	857
3SpLS-6a-3`	2	1	241	-619	1192
3SpLS-6a-3`	2	2	86	-654	1153
3SpLS-6a-3`	2	3	208	-689	1186
3SpLS-6a-4`	1	1	-200	-262	592
3SpLS-6a-4`	1	2	-195	-471	627
3SpLS-6a-4`	2	1	365	-412	836
3SpLS-6a-4`	2	2	250	-445	827
3SpLS-6a-4`	2	3	336	-469	843
3SpLS-6a-5`	1	1	-173	-237	546
3SpLS-6a-5`	1	2	-159	-417	561
3SpLS-6a-5`	2	1	387	-371	773
3SpLS-6a-5`	2	2	281	-402	765
3SpLS-6a-5`	2	3	362	-419	771
3SpLS-6a-6`	1	1	-153	-209	515
3SpLS-6a-6`	1	2	-98	-316	455
3SpLS-6a-6`	2	1	409	-303	714
3SpLS-6a-6`	2	2	315	-327	703
3SpLS-6a-6`	2	3	392	-338	697
3SpLS-6b-1`	1	1	789	-448	961
3SpLS-6b-1`	1	2	872	-669	874
3SpLS-6b-1`	2	1	1406	-679	1296
3SpLS-6b-1`	2	2	1245	-706	1234
3SpLS-6b-1`	2	3	1379	-742	1265
3SpLS-6b-2`	1	1	877	-372	806
3SpLS-6b-2`	1	2	1014	-458	611
3SpLS-6b-2`	2	1	1486	-563	1064
3SpLS-6b-2`	2	2	1365	-573	995
3SpLS-6b-2`	2	3	1478	-590	998
3SpLS-6b-3`	1	1	842	-403	869

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
3SpLS-6b-3`	1	2	881	-656	857
3SpLS-6b-3`	2	1	1441	-619	1192
3SpLS-6b-3`	2	2	1286	-654	1153
3SpLS-6b-3`	2	3	1408	-689	1186
3SpLS-6b-4`	1	1	1000	-262	592
3SpLS-6b-4`	1	2	1005	-471	627
3SpLS-6b-4`	2	1	1565	-412	836
3SpLS-6b-4`	2	2	1450	-445	827
3SpLS-6b-4`	2	3	1536	-469	843
3SpLS-6b-5`	1	1	1027	-237	546
3SpLS-6b-5`	1	2	1041	-417	561
3SpLS-6b-5`	2	1	1587	-371	773
3SpLS-6b-5`	2	2	1481	-402	765
3SpLS-6b-5`	2	3	1562	-419	771
3SpLS-6b-6`	1	1	1047	-209	515
3SpLS-6b-6`	1	2	1102	-316	455
3SpLS-6b-6`	2	1	1609	-303	714
3SpLS-6b-6`	2	2	1515	-327	703
3SpLS-6b-6`	2	3	1592	-338	697
4SpLS-1a-1`	2	1	258	-723	925
4SpLS-1a-1`	2	2	137	-747	868
4SpLS-1a-1`	2	3	237	-764	900
4SpLS-1a-2`	2	1	332	-595	726
4SpLS-1a-2`	2	2	249	-596	662
4SpLS-1a-2`	2	3	329	-600	671
4SpLS-1a-3`	2	1	290	-640	837
4SpLS-1a-3`	2	2	174	-672	799
4SpLS-1a-3`	2	3	264	-692	831
4SpLS-1a-4`	2	1	411	-344	514
4SpLS-1a-4`	2	2	336	-373	506
4SpLS-1a-4`	2	3	388	-389	526
4SpLS-1a-5`	2	1	435	-274	451
4SpLS-1a-5`	2	2	370	-300	446
4SpLS-1a-5`	2	3	416	-313	457
4SpLS-1a-6`	2	1	461	-115	395
4SpLS-1a-6`	2	2	410	-129	388
4SpLS-1a-6`	2	3	451	-136	385
4SpLS-3-1`	2	1	-272	-1993	3585
4SpLS-3-1`	2	2	-721	-2073	3402
4SpLS-3-1`	2	3	-350	-2164	3499
4SpLS-3-2`	2	1	-24	-1595	2883
4SpLS-3-2`	2	2	-345	-1613	2670
4SpLS-3-2`	2	3	-44	-1654	2691
4SpLS-3-3`	2	1	-163	-1806	3275

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-3-3`	2	2	-593	-1906	3153
4SpLS-3-3`	2	3	-259	-2002	3258
4SpLS-3-4`	2	1	232	-1120	2158
4SpLS-3-4`	2	2	-70	-1217	2136
4SpLS-3-4`	2	3	146	-1282	2191
4SpLS-3-5`	2	1	306	-978	1951
4SpLS-3-5`	2	2	35	-1066	1935
4SpLS-3-5`	2	3	232	-1118	1966
4SpLS-3-6`	2	1	379	-766	1765
4SpLS-3-6`	2	2	150	-826	1737
4SpLS-3-6`	2	3	333	-854	1723
4SpLS-4-1`	2	1	245	-552	1014
4SpLS-4-1`	2	2	119	-573	963
4SpLS-4-1`	2	3	224	-602	991
4SpLS-4-2`	2	1	322	-440	793
4SpLS-4-2`	2	2	236	-443	730
4SpLS-4-2`	2	3	319	-456	736
4SpLS-4-3`	2	1	279	-495	917
4SpLS-4-3`	2	2	158	-522	885
4SpLS-4-3`	2	3	252	-551	916
4SpLS-4-4`	2	1	404	-285	556
4SpLS-4-4`	2	2	325	-310	552
4SpLS-4-4`	2	3	380	-330	572
4SpLS-4-5`	2	1	429	-240	483
4SpLS-4-5`	2	2	361	-262	482
4SpLS-4-5`	2	3	409	-277	493
4SpLS-4-6`	2	1	455	-166	412
4SpLS-4-6`	2	2	402	-180	405
4SpLS-4-6`	2	3	445	-187	402
4SpLS-6a-1`	2	1	206	-679	1296
4SpLS-6a-1`	2	2	45	-706	1234
4SpLS-6a-1`	2	3	179	-742	1265
4SpLS-6a-2`	2	1	286	-563	1064
4SpLS-6a-2`	2	2	165	-573	995
4SpLS-6a-2`	2	3	278	-590	998
4SpLS-6a-3`	2	1	241	-619	1192
4SpLS-6a-3`	2	2	86	-654	1153
4SpLS-6a-3`	2	3	208	-689	1186
4SpLS-6a-4`	2	1	365	-412	836
4SpLS-6a-4`	2	2	250	-445	827
4SpLS-6a-4`	2	3	336	-469	843
4SpLS-6a-5`	2	1	387	-371	773
4SpLS-6a-5`	2	2	281	-402	765
4SpLS-6a-5`	2	3	362	-419	771

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
4SpLS-6a-6`	2	1	409	-303	714
4SpLS-6a-6`	2	2	315	-327	703
4SpLS-6a-6`	2	3	392	-338	697
4SpLS-6b-1`	2	1	1406	-679	1296
4SpLS-6b-1`	2	2	1245	-706	1234
4SpLS-6b-1`	2	3	1379	-742	1265
4SpLS-6b-2`	2	1	1486	-563	1064
4SpLS-6b-2`	2	2	1365	-573	995
4SpLS-6b-2`	2	3	1478	-590	998
4SpLS-6b-3`	2	1	1441	-619	1192
4SpLS-6b-3`	2	2	1286	-654	1153
4SpLS-6b-3`	2	3	1408	-689	1186
4SpLS-6b-4`	2	1	1565	-412	836
4SpLS-6b-4`	2	2	1450	-445	827
4SpLS-6b-4`	2	3	1536	-469	843
4SpLS-6b-5`	2	1	1587	-371	773
4SpLS-6b-5`	2	2	1481	-402	765
4SpLS-6b-5`	2	3	1562	-419	771
4SpLS-6b-6`	2	1	1609	-303	714
4SpLS-6b-6`	2	2	1515	-327	703
4SpLS-6b-6`	2	3	1592	-338	697
5SpLS-1a-1`	1	1	-328	-460	688
5SpLS-1a-1`	1	2	-266	-623	599
5SpLS-1a-1`	2	1	258	-723	925
5SpLS-1a-1`	2	2	137	-747	868
5SpLS-1a-1`	2	3	237	-764	900
5SpLS-1a-2`	1	1	-247	-366	558
5SpLS-1a-2`	1	2	-134	-381	385
5SpLS-1a-2`	2	1	332	-595	726
5SpLS-1a-2`	2	2	249	-596	662
5SpLS-1a-2`	2	3	329	-600	671
5SpLS-1a-3`	1	1	-280	-405	611
5SpLS-1a-3`	1	2	-258	-608	585
5SpLS-1a-3`	2	1	290	-640	837
5SpLS-1a-3`	2	2	174	-672	799
5SpLS-1a-3`	2	3	264	-692	831
5SpLS-1a-4`	1	1	-124	-213	360
5SpLS-1a-4`	1	2	-143	-398	400
5SpLS-1a-4`	2	1	411	-344	514
5SpLS-1a-4`	2	2	336	-373	506
5SpLS-1a-4`	2	3	388	-389	526
5SpLS-1a-5`	1	1	-95	-172	315
5SpLS-1a-5`	1	2	-107	-330	342
5SpLS-1a-5`	2	1	435	-274	451

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-1a-5`	2	2	370	-300	446
5SpLS-1a-5`	2	3	416	-313	457
5SpLS-1a-6`	1	1	-70	-114	286
5SpLS-1a-6`	1	2	-40	-176	252
5SpLS-1a-6`	2	1	461	-115	395
5SpLS-1a-6`	2	2	410	-129	388
5SpLS-1a-6`	2	3	451	-136	385
5SpLS-3-1`	1	1	-1320	-1648	3196
5SpLS-3-1`	1	2	-1038	-2387	2874
5SpLS-3-1`	2	1	-272	-1993	3585
5SpLS-3-1`	2	2	-721	-2073	3402
5SpLS-3-1`	2	3	-350	-2164	3499
5SpLS-3-2`	1	1	-1015	-1355	2675
5SpLS-3-2`	1	2	-547	-1602	1998
5SpLS-3-2`	2	1	-24	-1595	2883
5SpLS-3-2`	2	2	-345	-1613	2670
5SpLS-3-2`	2	3	-44	-1654	2691
5SpLS-3-3`	1	1	-1139	-1475	2887
5SpLS-3-3`	1	2	-1008	-2340	2820
5SpLS-3-3`	2	1	-163	-1806	3275
5SpLS-3-3`	2	2	-593	-1906	3153
5SpLS-3-3`	2	3	-259	-2002	3258
5SpLS-3-4`	1	1	-580	-915	1933
5SpLS-3-4`	1	2	-578	-1652	2052
5SpLS-3-4`	2	1	232	-1120	2158
5SpLS-3-4`	2	2	-70	-1217	2136
5SpLS-3-4`	2	3	146	-1282	2191
5SpLS-3-5`	1	1	-489	-811	1781
5SpLS-3-5`	1	2	-453	-1445	1830
5SpLS-3-5`	2	1	306	-978	1951
5SpLS-3-5`	2	2	35	-1066	1935
5SpLS-3-5`	2	3	232	-1118	1966
5SpLS-3-6`	1	1	-413	-677	1672
5SpLS-3-6`	1	2	-236	-1030	1481
5SpLS-3-6`	2	1	379	-766	1765
5SpLS-3-6`	2	2	150	-826	1737
5SpLS-3-6`	2	3	333	-854	1723
5SpLS-4-1`	1	1	-339	-363	752
5SpLS-4-1`	1	2	-277	-539	686
5SpLS-4-1`	2	1	245	-552	1014
5SpLS-4-1`	2	2	119	-573	963
5SpLS-4-1`	2	3	224	-602	991
5SpLS-4-2`	1	1	-257	-291	608
5SpLS-4-2`	1	2	-141	-336	435

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-4-2`	2	1	322	-440	793
5SpLS-4-2`	2	2	236	-443	730
5SpLS-4-2`	2	3	319	-456	736
5SpLS-4-3`	1	1	-291	-321	668
5SpLS-4-3`	1	2	-268	-527	670
5SpLS-4-3`	2	1	279	-495	917
5SpLS-4-3`	2	2	158	-522	885
5SpLS-4-3`	2	3	252	-551	916
5SpLS-4-4`	1	1	-130	-178	386
5SpLS-4-4`	1	2	-150	-350	452
5SpLS-4-4`	2	1	404	-285	556
5SpLS-4-4`	2	2	325	-310	552
5SpLS-4-4`	2	3	380	-330	572
5SpLS-4-5`	1	1	-100	-151	336
5SpLS-4-5`	1	2	-113	-294	383
5SpLS-4-5`	2	1	429	-240	483
5SpLS-4-5`	2	2	361	-262	482
5SpLS-4-5`	2	3	409	-277	493
5SpLS-4-6`	1	1	-74	-118	292
5SpLS-4-6`	1	2	-43	-180	259
5SpLS-4-6`	2	1	455	-166	412
5SpLS-4-6`	2	2	402	-180	405
5SpLS-4-6`	2	3	445	-187	402
5SpLS-6a-1`	1	1	-411	-448	961
5SpLS-6a-1`	1	2	-328	-669	874
5SpLS-6a-1`	2	1	206	-679	1296
5SpLS-6a-1`	2	2	45	-706	1234
5SpLS-6a-1`	2	3	179	-742	1265
5SpLS-6a-2`	1	1	-323	-372	806
5SpLS-6a-2`	1	2	-186	-458	611
5SpLS-6a-2`	2	1	286	-563	1064
5SpLS-6a-2`	2	2	165	-573	995
5SpLS-6a-2`	2	3	278	-590	998
5SpLS-6a-3`	1	1	-358	-403	869
5SpLS-6a-3`	1	2	-319	-656	857
5SpLS-6a-3`	2	1	241	-619	1192
5SpLS-6a-3`	2	2	86	-654	1153
5SpLS-6a-3`	2	3	208	-689	1186
5SpLS-6a-4`	1	1	-200	-262	592
5SpLS-6a-4`	1	2	-195	-471	627
5SpLS-6a-4`	2	1	365	-412	836
5SpLS-6a-4`	2	2	250	-445	827
5SpLS-6a-4`	2	3	336	-469	843
5SpLS-6a-5`	1	1	-173	-237	546

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
5SpLS-6a-5`	1	2	-159	-417	561
5SpLS-6a-5`	2	1	387	-371	773
5SpLS-6a-5`	2	2	281	-402	765
5SpLS-6a-5`	2	3	362	-419	771
5SpLS-6a-6`	1	1	-153	-209	515
5SpLS-6a-6`	1	2	-98	-316	455
5SpLS-6a-6`	2	1	409	-303	714
5SpLS-6a-6`	2	2	315	-327	703
5SpLS-6a-6`	2	3	392	-338	697
5SpLS-6b-1`	1	1	789	-448	961
5SpLS-6b-1`	1	2	872	-669	874
5SpLS-6b-1`	2	1	1406	-679	1296
5SpLS-6b-1`	2	2	1245	-706	1234
5SpLS-6b-1`	2	3	1379	-742	1265
5SpLS-6b-2`	1	1	877	-372	806
5SpLS-6b-2`	1	2	1014	-458	611
5SpLS-6b-2`	2	1	1486	-563	1064
5SpLS-6b-2`	2	2	1365	-573	995
5SpLS-6b-2`	2	3	1478	-590	998
5SpLS-6b-3`	1	1	842	-403	869
5SpLS-6b-3`	1	2	881	-656	857
5SpLS-6b-3`	2	1	1441	-619	1192
5SpLS-6b-3`	2	2	1286	-654	1153
5SpLS-6b-3`	2	3	1408	-689	1186
5SpLS-6b-4`	1	1	1000	-262	592
5SpLS-6b-4`	1	2	1005	-471	627
5SpLS-6b-4`	2	1	1565	-412	836
5SpLS-6b-4`	2	2	1450	-445	827
5SpLS-6b-4`	2	3	1536	-469	843
5SpLS-6b-5`	1	1	1027	-237	546
5SpLS-6b-5`	1	2	1041	-417	561
5SpLS-6b-5`	2	1	1587	-371	773
5SpLS-6b-5`	2	2	1481	-402	765
5SpLS-6b-5`	2	3	1562	-419	771
5SpLS-6b-6`	1	1	1047	-209	515
5SpLS-6b-6`	1	2	1102	-316	455
5SpLS-6b-6`	2	1	1609	-303	714
5SpLS-6b-6`	2	2	1515	-327	703
5SpLS-6b-6`	2	3	1592	-338	697
SeLS-1a-1`	1	1	-273	-453	545
SeLS-1a-1`	1	2	-222	-582	456
SeLS-1a-1`	2	1	215	-724	738
SeLS-1a-1`	2	2	114	-747	686
SeLS-1a-1`	2	3	198	-754	714

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)	
SeLS-1a-2`	1	1	-206	-358	443	
SeLS-1a-2`	1	2	-112	-352	297	
SeLS-1a-2`	2	1	276	-604	581	
SeLS-1a-2`	2	2	208	-605	526	
SeLS-1a-2`	2	3	274	-602	535	
SeLS-1a-3`	1	1	-233	-397	485	
SeLS-1a-3`	1	2	-215	-568	445	
SeLS-1a-3`	2	1	242	-638	668	
SeLS-1a-3`	2	2	145	-668	632	
SeLS-1a-3`	2	3	220	-679	660	
SeLS-1a-4`	1	1	-103	-203	290	
SeLS-1a-4`	1	2	-119	-368	308	
SeLS-1a-4`	2	1	343	-330	415	
SeLS-1a-4`	2	2	280	-358	405	
SeLS-1a-4`	2	3	323	-370	422	
SeLS-1a-5`	1	1	-79	-160	255	
SeLS-1a-5`	1	2	-89	-303	265	
SeLS-1a-5`	2	1	363	-256	367	
SeLS-1a-5`	2	2	308	-280	360	
SeLS-1a-5`	2	3	347	-290	370	
SeLS-1a-5`	1	1	-58	-94	239	
SeLS-1a-5`	1	2	-33	-147	210	
SeLS-1a-5`	2	1	384	-68	330	
SeLS-1a-5`	2	2	341	-80	324	
SeLS-1a-5`	2	3	376	-85	321	
SeLS-3-1`	1	1	-1100	-1373	2664	2,7
SeLS-3-1`	1	2	-865	-1989	2395	2,4
SeLS-3-1`	2	1	-227	-1661	2988	3,0
SeLS-3-1`	2	2	-600	-1728	2835	2,8
SeLS-3-1`	2	3	-292	-1804	2916	2,9
SeLS-3-2`	1	1	-846	-1129	2229	
SeLS-3-2`	1	2	-456	-1335	1665	
SeLS-3-2`	2	1	-20	-1329	2403	
SeLS-3-2`	2	2	-288	-1344	2225	
SeLS-3-2`	2	3	-37	-1378	2243	
SeLS-3-3`	1	1	-949	-1229	2406	
SeLS-3-3`	1	2	-840	-1950	2350	
SeLS-3-3`	2	1	-135	-1505	2729	
SeLS-3-3`	2	2	-494	-1588	2627	
SeLS-3-3`	2	3	-216	-1668	2715	
SeLS-3-4`	1	1	-483	-763	1611	
SeLS-3-4`	1	2	-482	-1377	1710	
SeLS-3-4`	2	1	193	-933	1798	
SeLS-3-4`	2	2	-59	-1015	1780	

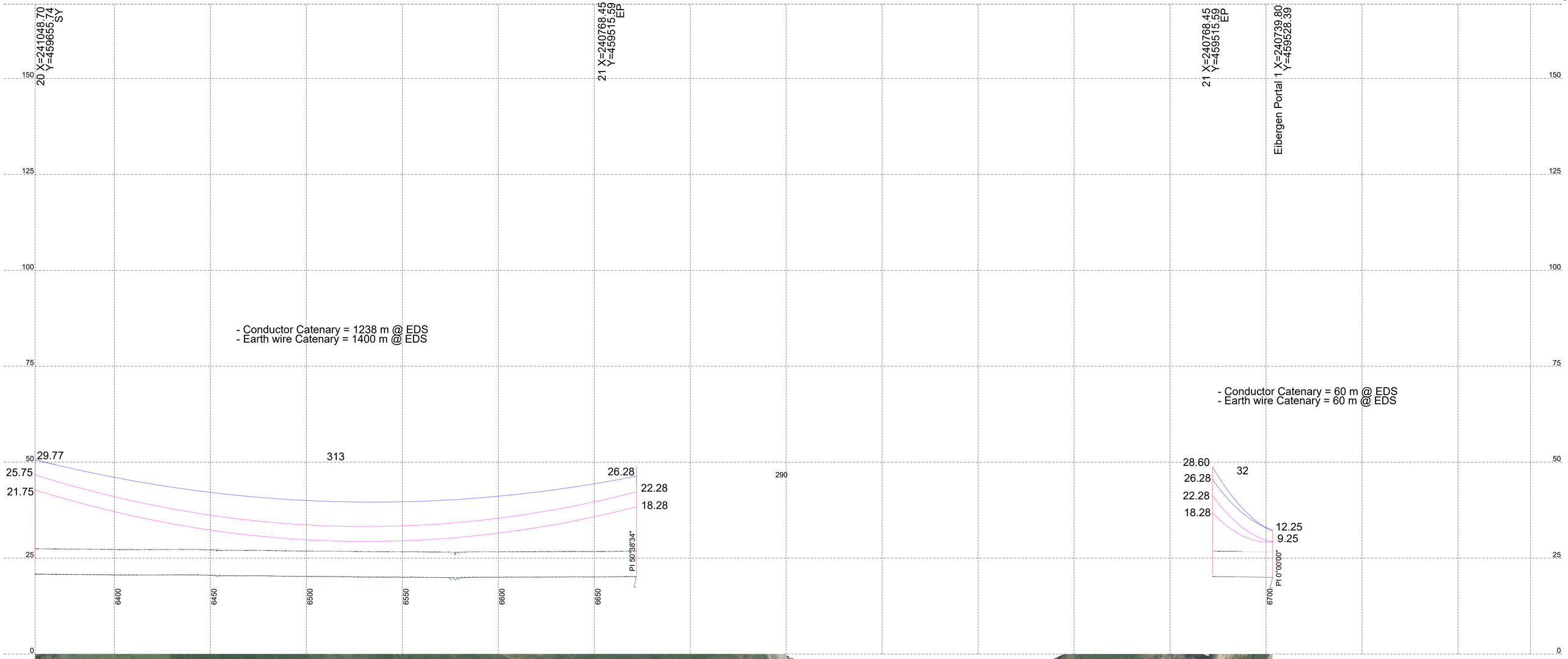
Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-3-4`	2	3	121	-1069	1826
SeLS-3-5`	1	1	-407	-675	1484
SeLS-3-5`	1	2	-377	-1204	1525
SeLS-3-5`	2	1	255	-815	1626
SeLS-3-5`	2	2	29	-889	1613
SeLS-3-5`	2	3	193	-931	1638
SeLS-3-6`	1	1	-344	-564	1393
SeLS-3-6`	1	2	-196	-858	1235
SeLS-3-6`	2	1	316	-638	1471
SeLS-3-6`	2	2	125	-689	1447
SeLS-3-6`	2	3	278	-712	1436
SeLS-4-1`	1	1	-283	-302	627
SeLS-4-1`	1	2	-230	-449	572
SeLS-4-1`	2	1	204	-460	845
SeLS-4-1`	2	2	99	-477	803
SeLS-4-1`	2	3	187	-501	826
SeLS-4-2`	1	1	-214	-242	507
SeLS-4-2`	1	2	-117	-280	362
SeLS-4-2`	2	1	268	-367	661
SeLS-4-2`	2	2	197	-369	609
SeLS-4-2`	2	3	266	-380	613
SeLS-4-3`	1	1	-243	-267	557
SeLS-4-3`	1	2	-223	-439	559
SeLS-4-3`	2	1	232	-412	764
SeLS-4-3`	2	2	132	-435	737
SeLS-4-3`	2	3	210	-460	763
SeLS-4-4`	1	1	-108	-148	322
SeLS-4-4`	1	2	-125	-292	376
SeLS-4-4`	2	1	337	-238	463
SeLS-4-4`	2	2	271	-259	460
SeLS-4-4`	2	3	317	-275	477
SeLS-4-5`	1	1	-84	-126	280
SeLS-4-5`	1	2	-94	-245	319
SeLS-4-5`	2	1	358	-200	403
SeLS-4-5`	2	2	301	-218	401
SeLS-4-5`	2	3	341	-231	411
SeLS-4-6`	1	1	-62	-99	244
SeLS-4-6`	1	2	-36	-150	216
SeLS-4-6`	2	1	379	-139	343
SeLS-4-6`	2	2	335	-150	337
SeLS-4-6`	2	3	371	-156	335
SeLS-6a-1`	1	1	-342	-373	801
SeLS-6a-1`	1	2	-273	-558	728
SeLS-6a-1`	2	1	171	-566	1080

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-6a-1`	2	2	38	-588	1028
SeLS-6a-1`	2	3	149	-618	1054
SeLS-6a-2`	1	1	-269	-310	672
SeLS-6a-2`	1	2	-155	-382	509
SeLS-6a-2`	2	1	238	-469	887
SeLS-6a-2`	2	2	137	-478	830
SeLS-6a-2`	2	3	231	-492	832
SeLS-6a-3`	1	1	-299	-335	724
SeLS-6a-3`	1	2	-266	-547	714
SeLS-6a-3`	2	1	201	-516	993
SeLS-6a-3`	2	2	71	-545	961
SeLS-6a-3`	2	3	173	-574	988
SeLS-6a-4`	1	1	-166	-218	493
SeLS-6a-4`	1	2	-162	-393	522
SeLS-6a-4`	2	1	304	-343	697
SeLS-6a-4`	2	2	208	-371	689
SeLS-6a-4`	2	3	280	-391	702
SeLS-6a-5`	1	1	-144	-197	455
SeLS-6a-5`	1	2	-132	-348	467
SeLS-6a-5`	2	1	322	-309	644
SeLS-6a-5`	2	2	234	-335	638
SeLS-6a-5`	2	3	302	-350	643
SeLS-6a-6`	1	1	-128	-175	429
SeLS-6a-6`	1	2	-82	-263	379
SeLS-6a-6`	2	1	341	-253	595
SeLS-6a-6`	2	2	262	-273	586
SeLS-6a-6`	2	3	326	-282	581
SeLS-6b-1`	1	1	-342	-373	801
SeLS-6b-1`	1	2	-273	-558	728
SeLS-6b-1`	2	1	171	-566	1080
SeLS-6b-1`	2	2	38	-588	1028
SeLS-6b-1`	2	3	149	-618	1054
SeLS-6b-2`	1	1	-269	-310	672
SeLS-6b-2`	1	2	-155	-382	509
SeLS-6b-2`	2	1	238	-469	887
SeLS-6b-2`	2	2	137	-478	830
SeLS-6b-2`	2	3	231	-492	832
SeLS-6b-3`	1	1	-299	-335	724
SeLS-6b-3`	1	2	-266	-547	714
SeLS-6b-3`	2	1	201	-516	993
SeLS-6b-3`	2	2	71	-545	961
SeLS-6b-3`	2	3	173	-574	988
SeLS-6b-4`	1	1	-166	-218	493
SeLS-6b-4`	1	2	-162	-393	522

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
SeLS-6b-4`	2	1	304	-343	697
SeLS-6b-4`	2	2	208	-371	689
SeLS-6b-4`	2	3	280	-391	702
SeLS-6b-5`	1	1	-144	-197	455
SeLS-6b-5`	1	2	-132	-348	467
SeLS-6b-5`	2	1	322	-309	644
SeLS-6b-5`	2	2	234	-335	638
SeLS-6b-5`	2	3	302	-350	643
SeLS-6b-6`	1	1	-128	-175	429
SeLS-6b-6`	1	2	-82	-263	379
SeLS-6b-6`	2	1	341	-253	595
SeLS-6b-6`	2	2	262	-273	586
SeLS-6b-6`	2	3	326	-282	581
SeLS-7-1`	1	1	-58	-97	237
SeLS-7-1`	1	2	-33	-146	210
SeLS-7-1`	2	1	384	-149	329
SeLS-7-1`	2	2	341	-159	323
SeLS-7-1`	2	3	376	-165	321
Uplift ULS-1a-4`	1	1	-124	-265	339
Uplift ULS-1a-4`	1	2	-143	-473	348
Uplift ULS-1a-4`	2	1	291	-434	486
Uplift ULS-1a-4`	2	2	215	-470	472
Uplift ULS-1a-4`	2	3	267	-483	493
Uplift ULS-1a-5`	1	1	-95	-206	301
Uplift ULS-1a-5`	1	2	-107	-387	302
Uplift ULS-1a-5`	2	1	315	-330	432
Uplift ULS-1a-5`	2	2	249	-362	423
Uplift ULS-1a-5`	2	3	295	-373	434
Uplift 2SpLS-6b-2`	1	1	877	-372	806
Uplift 2SpLS-6b-2`	1	2	1014	-458	611
Uplift 2SpLS-6b-2`	2	1	1365	-563	1064
Uplift 2SpLS-6b-2`	2	2	1244	-573	995
Uplift 2SpLS-6b-2`	2	3	1357	-590	998
Uplift ULS-3-2`	1	1	-1015	-1411	2652
Uplift ULS-3-2`	1	2	-547	-1639	1972
Uplift ULS-3-2`	2	1	-145	-1658	2861
Uplift ULS-3-2`	2	2	-466	-1676	2647
Uplift ULS-3-2`	2	3	-165	-1711	2669
Uplift 2SpLS-3-2`	1	1	-1015	-1355	2675
Uplift 2SpLS-3-2`	1	2	-547	-1602	1998
Uplift 2SpLS-3-2`	2	1	-145	-1595	2883
Uplift 2SpLS-3-2`	2	2	-466	-1613	2670
Uplift 2SpLS-3-2`	2	3	-165	-1654	2691
Uplift 3SpLS-3-2`	1	1	-1015	-1355	2675

Load Case Description	Set No.	Phase No.	Structure Loads Vert. (N)	Structure Loads Trans. (N)	Structure Loads Long. (N)
Uplift 3SpLS-3-2`	1	2	-547	-1602	1998
Uplift 3SpLS-3-2`	2	1	-145	-1595	2883
Uplift 3SpLS-3-2`	2	2	-466	-1613	2670
Uplift 3SpLS-3-2`	2	3	-165	-1654	2691
Uplift 5SpLS-3-2`	1	1	-1015	-1355	2675
Uplift 5SpLS-3-2`	1	2	-547	-1602	1998
Uplift 5SpLS-3-2`	2	1	-145	-1595	2883
Uplift 5SpLS-3-2`	2	2	-466	-1613	2670
Uplift 5SpLS-3-2`	2	3	-165	-1654	2691
Ice on earthwires Ahead`	1	1	-632	-798	1463
Ice on earthwires Ahead`	1	2	-504	-1138	1308
Ice on earthwires Ahead`	2	1	93	-1055	1753
Ice on earthwires Ahead`	2	2	-129	-1096	1660
Ice on earthwires Ahead`	2	3	55	-1138	1710
Ice on earthwires Back`	1	1	-1026	-1326	2439
Ice on earthwires Back`	1	2	-810	-1892	2179
Ice on earthwires Back`	2	1	-117	-1638	2787
Ice on earthwires Back`	2	2	-468	-1702	2639
Ice on earthwires Back`	2	3	-178	-1769	2716
Short Circuit Forces`	1	1	-58	-97	237
Short Circuit Forces`	1	2	-33	-146	210
Short Circuit Forces`	2	1	384	-149	329
Short Circuit Forces`	2	2	341	-159	323
Short Circuit Forces`	2	3	376	-165	321

BIJLAGE E: ZEEGPROFIELEN



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10.0 m Vert. Scale

Witteveen + Bos

Drawing No: CONCEPT PROFILES

Revision Information:
Rev 2

Mast 21
Eibergen - Haakbergen 1 and 2

Earthwire: Seil 50

Conductor: 1 x Ostrich

Templating Tempreature: 50 Degrees

DATE:

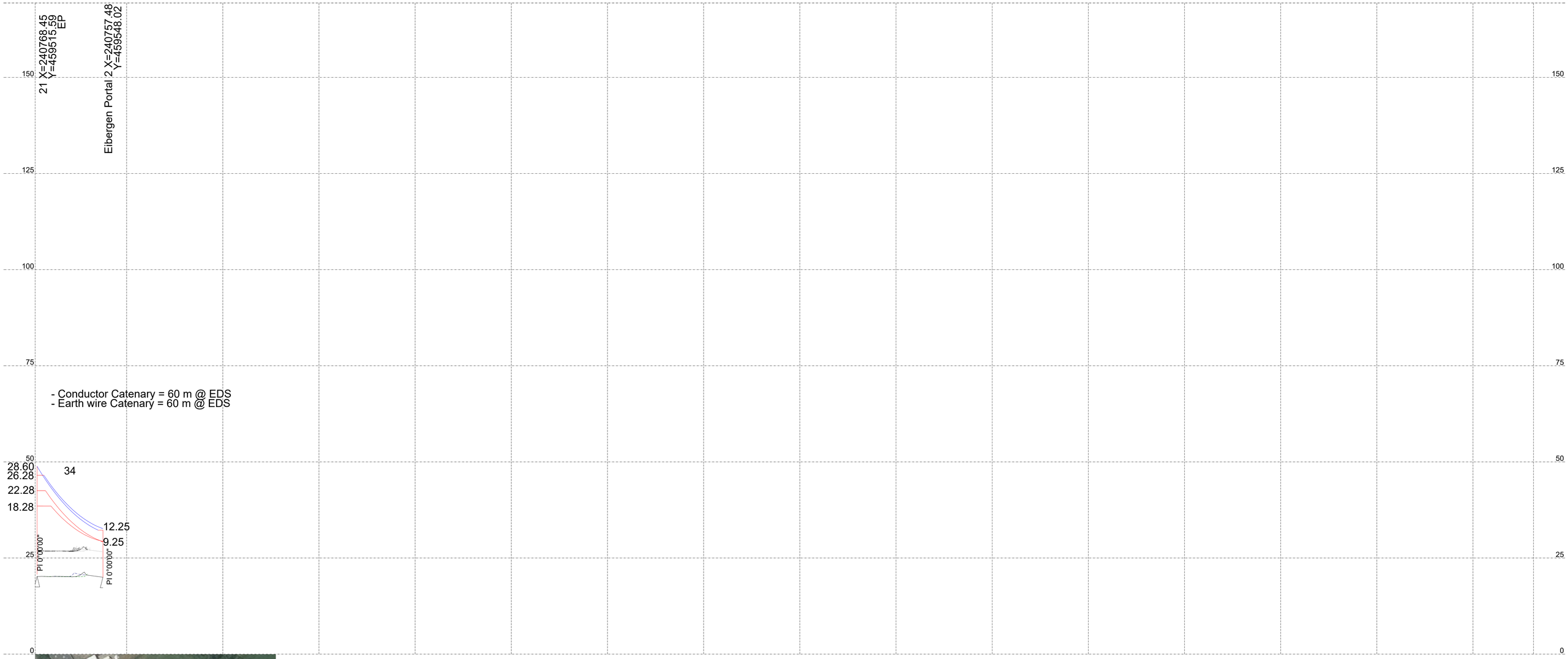
March 2021

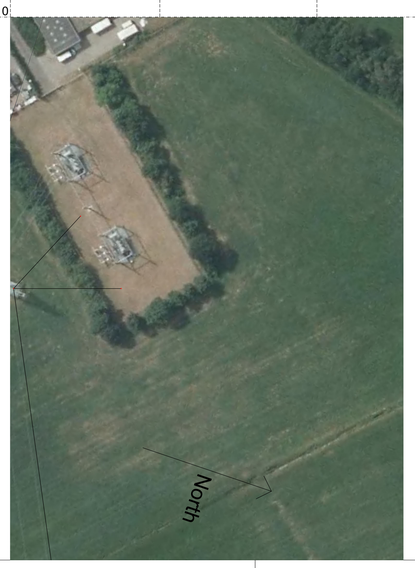
Sheet 1/2

-Coordinate System:
Rijksdriehoekstelsel(RDnew)

-Jumpers and Droppers in Ostrich

TRANS-AFRICA PROJECTS





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Witteveen + Bos

Drawing No: CONCEPT PROFILES

Revision Information:
Rev 2

Mast 21
Eibergen - Haakbergen 1 and 2

Earthwire: Seil 50

Conductor: 1 x Ostrich

Templating Tempreature: 50 Degrees

DATE:
March 2021

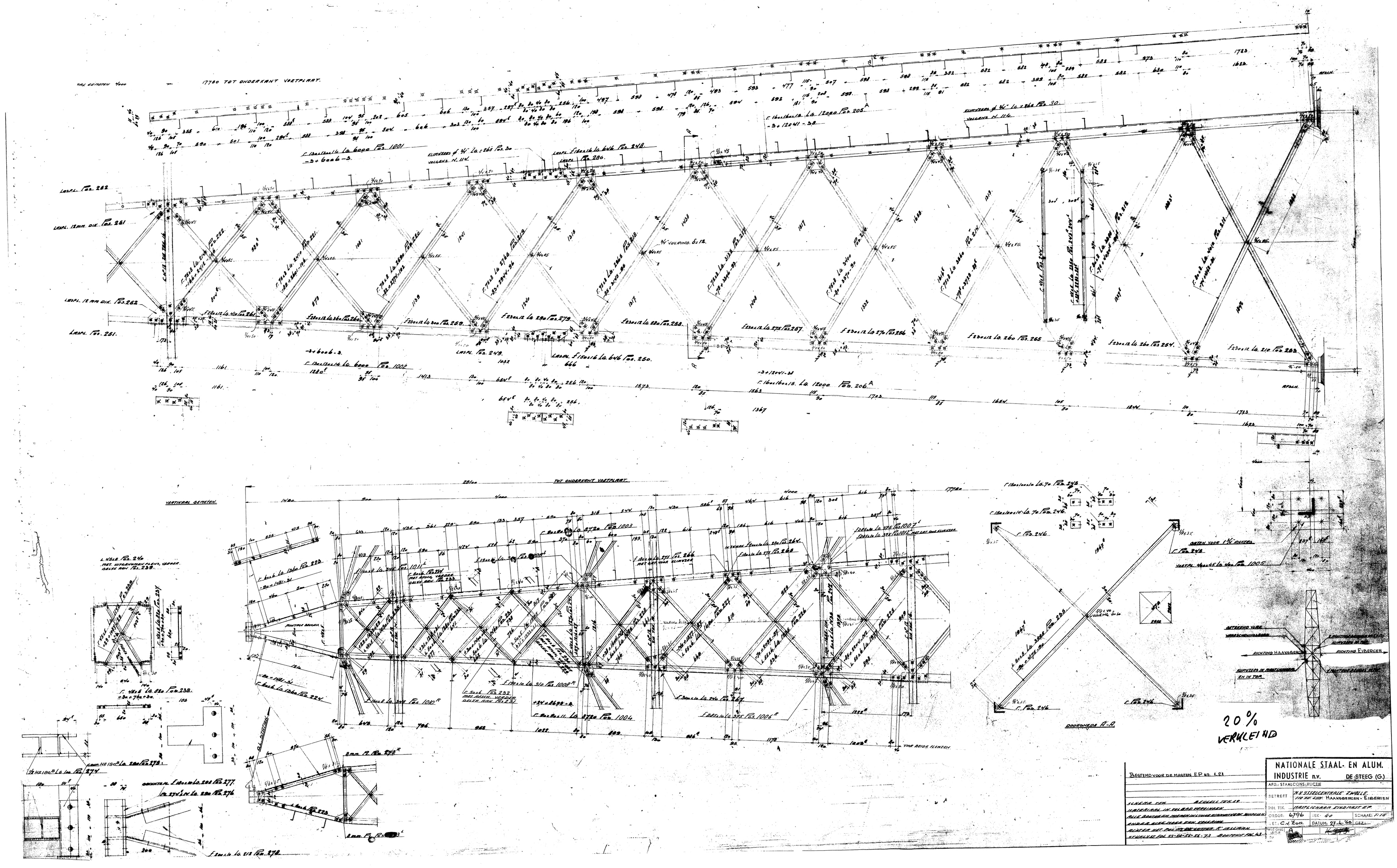
Sheet 2/2

-Coordinate System:
Rijksdriehoekstelsel(RDnew)

-Jumpers and Droppers in Ostrich

TRANS-AFRICA PROJECTS

BIJLAGE F: TEKENINGEN BESTAANDE SITUATIE MAST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VERTIKAAL GEMETEN
DOORSNEE A-A
20%
VERKLEIND
NATIONALE STAAL- EN ALUM. INDUSTRIE n.v.
DE STEEG (G.)
AFD.: STAALCONSTRUCTIE
BETREFT: N.V. IJSSELCENTRALE ZWOLLE. 110 KV. LIJN HAAKSBERGEN - EIBERGEN
ORDER: 6796
SCHAAL: 1:25
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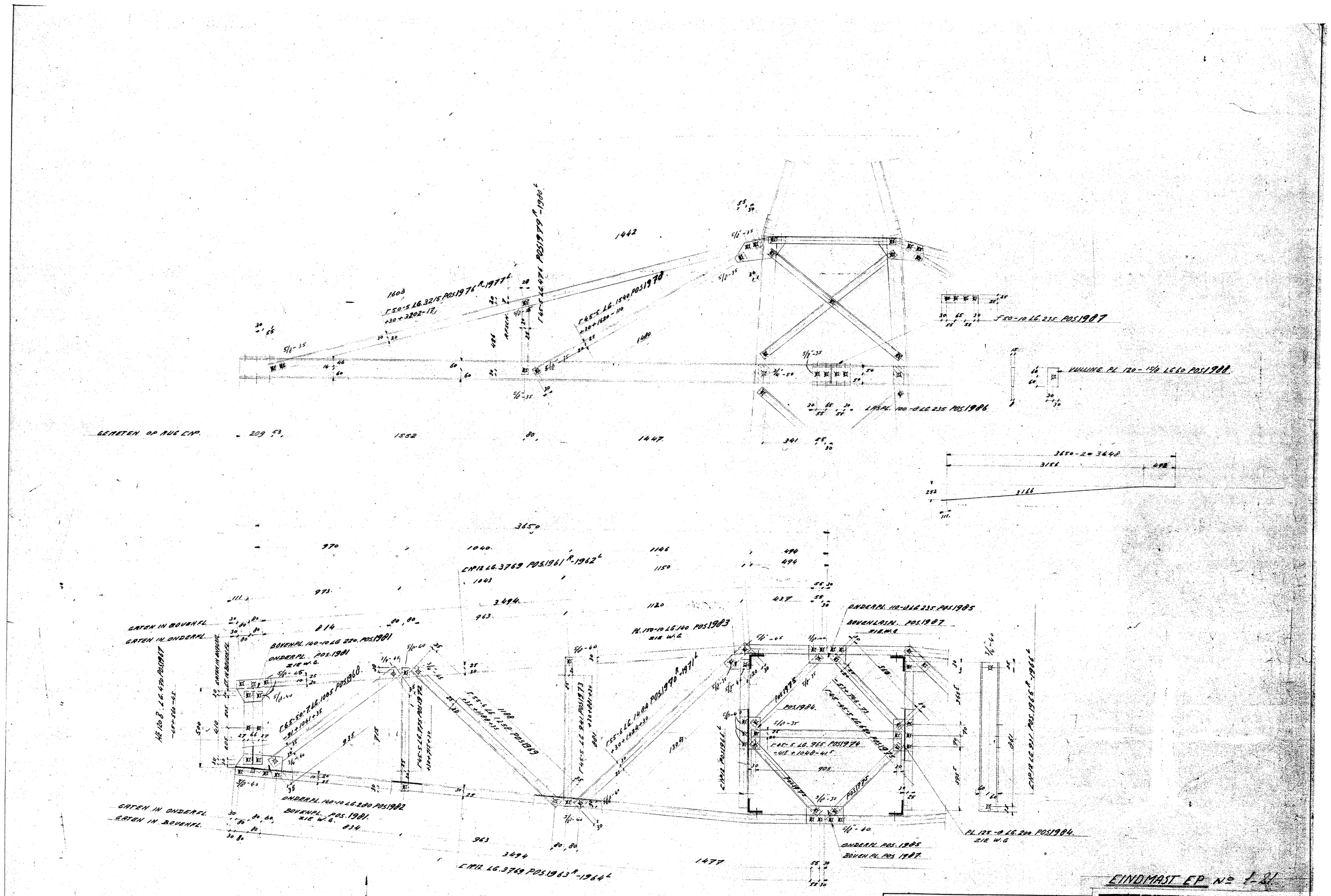

EINDMAST EP No 1-21

OPMERKINGEN:
MATERIAAL IN VOLBAD VERZINKEN
ACHTER HET POS. No DE LETTER R INSLAAN
ONDER ELKE MOER EEN VOLGRING
ALLE BOUTEN EN MOEREN IN LUWIE
ZINKWIT-VERF DOMPELEN
VOOR SCHEMA ZIE TEK.

STUKLIST No. 52.
BOUTENST. No 42.

NATIONALE STAAL- EN ALUM. INDUSTRIE n.v. DE STEEG (G.)		
AFD.: STAALCONSTRUCTIE		
BETREFT	N.V. IJSSELCENTRALE ZWOLLE 110 KV. LIJN. Hoogkiezen-Eibergen.	
INH. TEK.	BOVENTRAVERSE EINDMAST EP	
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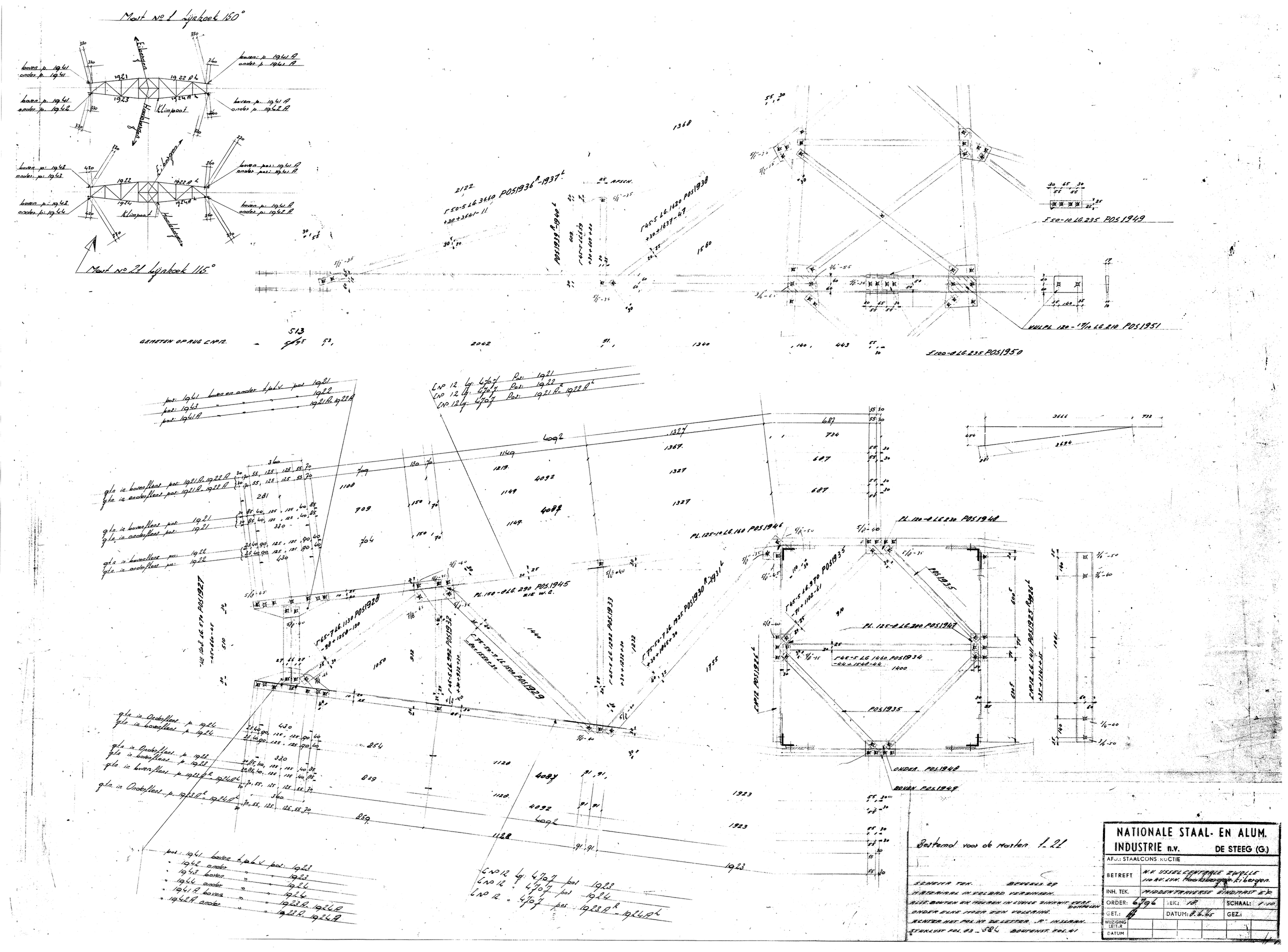
DATUM		

A942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Mast No 21 hijshoek 115°
Klimpoot
Hoekhijsen
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PL.120-8 LG.230 POS1948
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ONDER POS1940
BOVEN POS1949
Bestemd voor de masten 1-21
NATIONALE STAAL- EN ALUM. INDUSTRIE n.v. DE STEEG (G.)
AFD.: STAALCONSTRUCTIE
BETREFT: N.V. IJSSELCENTRALE ZWOLLE 110 KV. LIJN. Hoekbergen-Eibergen.
INH. TEK.: MIDDENTRAVERSE EINDMAST E.
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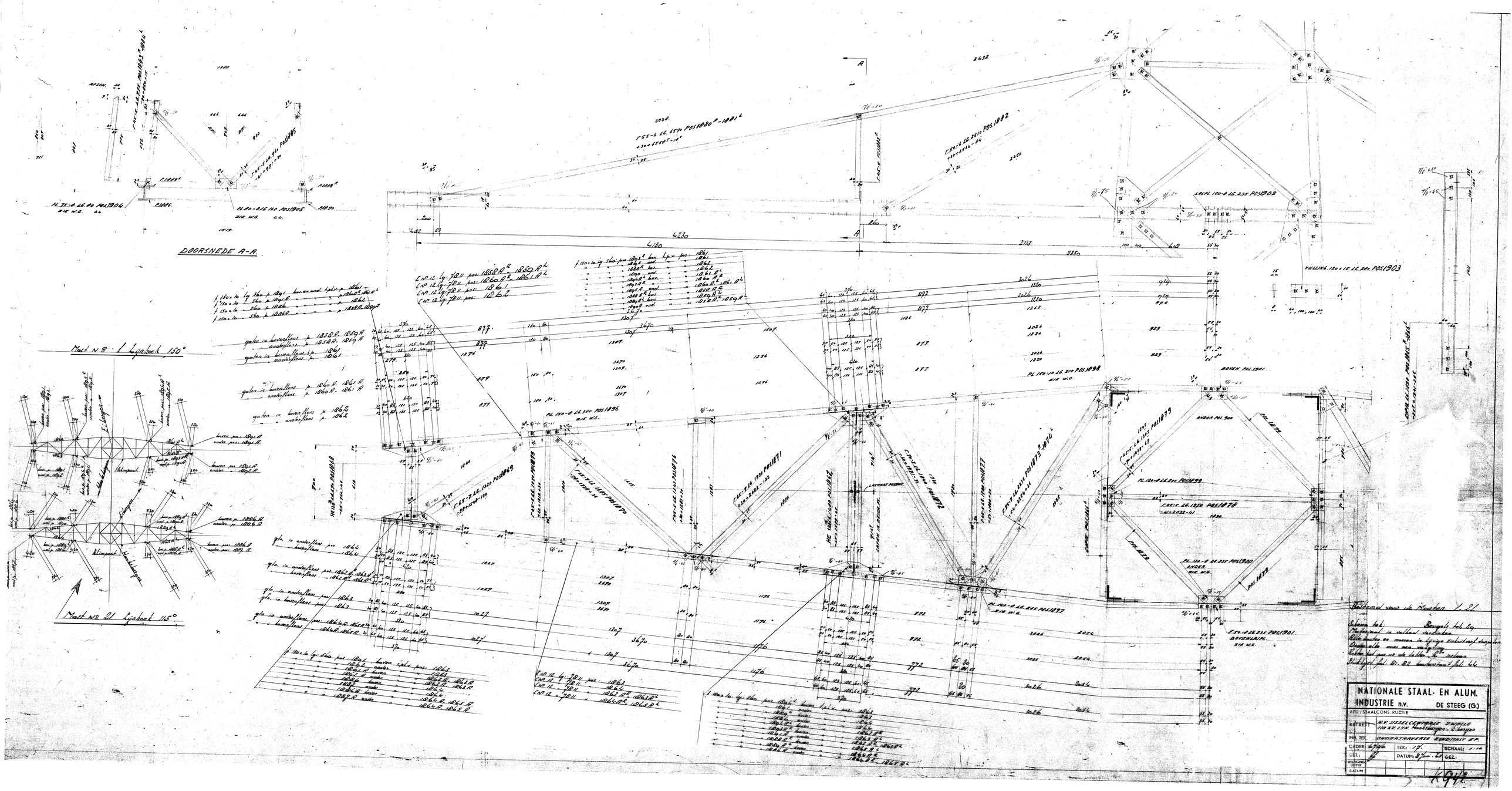
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Mast N° 2 : 1 hoekhoek 150°
Mast N° 21 hoekhoek 115°
NATIONALE STAAL- EN ALUM. INDUSTRIE n.v.
DE STEEG (G.)
AFD.: STAALCONSTRUCTIE
BETREFT
INH. TEK.
ORDER
TEK.:
SCHAAL:
DATUM:
GEZ.:
WIJZIGING LETTER
DATUM

BIJLAGE G: TENNET SPECIFICATIES

Document type	Vakgebied	Name	Versie	Datum Publicatie	Verantwoordelijke/auteur
PVE	06 - Kabels	PVE.06.000 Standaard programma van eisen kabels.pdf	2.2	2-11-2020	Zuijderduin, Roy
PVE	04 - Bouwkundig/ Civiel	_PVE.04.000 Bouwkunde.pdf	2.2	25-8-2020	Tuijn, Jos van
PVE	03 - Telematica	PVE.03.000 Telecom.pdf	3.0	15-5-2020	Dorst, Hans
PVE	00 - Algemeen	PVE.00.001 Bijlage Naamgeving assets.xlsx	1.5	25-3-2020	Dijk, Martijn van
PVE	00 - Algemeen	PVE.00.060 Meetbestek inmeten assetdata TenneT TSO.pdf	2.3	12-3-2020	Ubbink, Edwin
PVE	05 - Lijnen	PVE.05.000 Lijnen.pdf	3.2	3-9-2019	Ton van der Wekken
PVE	-	SPVEs en van toepassing zijnde standaarden TEMPLATE (alle vakgebieden en ROM).xlsm	4.2	16-4-2019	Rienks, Mark
PVE	00 - Algemeen	PVE.00.001 Naamgeving assets standaard programma van eisen.pdf	1.2	18-2-2019	Dijk, Martijn van
PVE	00 - Algemeen	PVE.00.002 Planologische traceringsuitgangspunten en locatie-eisen (Excel format).zip	3.0	25-1-2019	Braak, Chantal ter
PVE	00 - Algemeen	PVE.00.002 Planologische traceringsuitgangspunten en locatie-eisen.pdf	3.0	25-1-2019	Braak, Chantal ter
PVE	00 - Algemeen	PVE.00.003 Publieke en Private rechten (Excel format).zip	3.0	25-1-2019	Braak, Chantal ter
PVE	00 - Algemeen	PVE.00.003 Publieke en Private rechten.pdf	3.0	25-1-2019	Braak, Chantal ter
PVE	02 - Secundair	PVE.02.000 Secundair - Versie 4.2.pdf	4.2	16-1-2019	Jansen, Paul
PVE	02 - Secundair	PVE.02.000 Secundair (Excel Format).zip	4.2	16-1-2019	Bosman, Roy
PVE	01 - Primair	PVE.01.000 Primair (Excel Format).zip	2.1	19-6-2018	Tannemaat, Imre
PVE	01 - Primair	PVE.01.000 Primair.pdf	2.1	19-6-2018	Tannemaat, Imre
PVE	07 - EMC/ Aarding	PVE.07.000 EMC en aarding (Excel Format).zip	2.2	16-5-2018	Schenkel, Erik
PVE	07 - EMC/ Aarding	PVE.07.000 EMC en aarding.pdf	2.2	16-5-2018	Schenkel, Erik
PVE	09 - Security	PVE.09.002 Security (Excel Format).zip	2.0	25-4-2017	Slangen, Jos
PVE	09 - Security	PVE.09.002 Security.pdf	2.0	25-4-2017	Slangen, Jos
PVE	00 - Algemeen	PVE Voorraden.pdf	2.0	4-9-2015	Kielman, Berend

Document type	Vakgebied	Name	Versie	Datum Publicatie	Verantwoordelijke/auteur
SPE	00 - Algemeen	SPE.00.908 Conservering Onderhoud Vakwerkmasten en Stations.pdf	2.1	2-11-2020	Kielman, Berend
SPE	00 - Algemeen	SPE.00.437 Conservering Transformatoren.pdf	1.5	2-11-2020	Kielman, Berend
SPE	00 - Algemeen	SPE.00.437 Bijlage Conservering Transformatoren.zip	1.5	2-11-2020	Kielman, Berend
SPE	02 - Secundair	SPE.02.549 TenneT IPC-FAT protocol.docx	1.0	11-9-2020	Dijkstra, Marco
SPE	02 - Secundair	SPE.02.548 TenneT VBS-FAT protocol.docx	1.2	11-9-2020	Dijkstra, Marco
SPE	01 - Primair	_SPE.01.100 Algemene specificatie staalwerk primaire ondersteuningen, portalen en bliksempieken.pdf	2.1	25-8-2020	Tuijn, Jos van
SPE	04 - Bouwkundig/ Civiel	_SPE.04.002 Algemene specificatie hekwerken en poorten.pdf	2.1	25-8-2020	Tuijn, Jos van
SPE	04 - Bouwkundig/ Civiel	_SPE.04.004 Algemene specificatie constructieberekeningen.pdf	2.1	25-8-2020	Tuijn, Jos van
SPE	04 - Bouwkundig/ Civiel	_SPE.04.005 Algemene specificatie brandmeldinstallaties.pdf	2.1	25-8-2020	Tuijn, Jos van
SPE	04 - Bouwkundig/ Civiel	_SPE.04.008 Algemene specificatie hergebruik bestaande betonconstructie.pdf	2.1	25-8-2020	Tuijn, Jos van
SPE	04 - Bouwkundig/ Civiel	_SPE.04.009 Algemene specificatie funderingen.pdf	2.1	25-8-2020	Tuijn, Jos van
SPE	00 - Algemeen	SPE.00.901 Bijlage bronbestanden.zip	2.0	15-5-2020	Ton van der Wekken
SPE	00 - Algemeen	SPE.00.901 Bijlage.zip	2.0	15-5-2020	Ton van der Wekken
SPE	01 - Primair	SPE.01.450 Algemene specificatie klemmen bevestigingsmateriaal raildraagarmatuur geleider open station.pdf	2.0	15-5-2020	Wekken, Ton van der
SPE	05 - Lijnen	SPE.05.304 Modelspecificatie trillingdempers HS lijnen.docx	2.0	15-5-2020	Ton van der Wekken
SPE	05 - Lijnen	SPE.05.361 Model Projectspecificatie kunststof mastborden.docx	2.0	15-5-2020	Ton van der Wekken
SPE	00 - Algemeen	SPE.00.905 Conservering Mastverzwaring.pdf	1.5	15-5-2020	Kielman, Berend
SPE	00 - Algemeen	SPE.00.904 Conservering staaldelen stations in maritieme omgeving en kustgebied.pdf	1.4	15-5-2020	Kielman, Berend
SPE	00 - Algemeen	SPE.00.907 Conservering Nieuwbouw Vakwerkmasten.pdf	1.5	15-5-2020	Kielman, Berend
SPE	05 - Lijnen	SPE.05.333 Model project specification clamps.docx	3.0	15-5-2020	Ton van der Wekken
SPE	05 - Lijnen	SPE.05.360 bijlage met pdf en dwg tekeningen mastborden en stickers.zip	4.0	15-5-2020	Ton van der Wekken
SPE	05 - Lijnen	SPE.05.360 bijlage met pdf en dwg tekeningen vlaggestokhouders.zip	4.0	15-5-2020	Ton van der Wekken
SPE	05 - Lijnen	SPE.05.357 Model Project Specification for Composite insulators.docx	3.0	15-5-2020	Ton van der Wekken
SPE	03 - Telematica	SPE.03.590 Alg Specificatie uitvoeren metingen singlemodefiber.pdf	2.2	15-5-2020	Dorst, Hans
SPE	05 - Lijnen	SPE.05.302 Model Project Specification spacersdampers for OHL.docx	3.0	15-5-2020	Ton van der Wekken
SPE	00 - Algemeen	SPE.00.904 Bijlage Conservering staaldelen stations in maritieme omgeving en kustgebied.zip	1.4	15-5-2020	Kielman, Berend
SPE	00 - Algemeen	SPE.00.905 Bijlage Conservering Mastverzwaring.zip	1.5	15-5-2020	Kielman, Berend
SPE	00 - Algemeen	SPE.00.907 Bijlage Conservering Nieuwbouw Vakwerkmasten.zip	1.5	15-5-2020	Kielman, Berend
SPE	00 - Algemeen	SPE.00.901 Standaard Specificatie Borden Op Stations.pdf	2.0	15-5-2020	Wekken, Ton van der
SPE	01 - Primair	SPE.01.408 Instrument Transformers.pdf	4.0	15-5-2020	Tannemaat, Imre
SPE	01 - Primair	SPE.01.420 Surge arrester.pdf	3.0	15-5-2020	Tannemaat, Imre
SPE	05 - Lijnen	SPE.05.360 Standaard Specificatie Kunststof Mastborden en Maststickers.pdf	4.0	15-5-2020	Wekken, Ton van der
SPE	05 - Lijnen	SPE.05.316 Model Project Specification OPGW for framework contract.docx	3.0	15-5-2020	Ton van der Wekken
SPE	05 - Lijnen	SPE.05.359 Model project specificication for CFC and GTACSR conductors.docx	2.0	15-5-2020	Wekken, Ton van der
SPE	01 - Primair	SPE.01.401 - DISC ES - AUG-2019 – v4.3.pdf	4.3	6-4-2020	Barts, Henny
SPE	01 - Primair	SPE.01.432 - PI - AUG-2017 - v3.1.pdf	3.1	6-4-2020	Barts, Henny
SPE	02 - Secundair	SPE.02.510 Richtlijnen Secundaire Tekenwijze TenneT Stations v5.3_ENG.pdf	5.3	16-3-2020	Hissink, Bart
SPE	02 - Secundair	SPE.02.510 Richtlijnen Secundaire Tekenwijze TenneT Stations v5.3.pdf	5.3	16-3-2020	Hissink, Bart
SPE	01 - Primair	SPE.01.478 Ring and split core CT v1.4_.pdf	1.4	1-2-2020	Tannemaat, Imre
SPE	04 - Bouwkundig/ Civiel	SPE.04.020 Algemene specificatie PV systemen.pdf	1.0	1-1-2020	Tuijn, Jos van
SPE	02 - Secundair	SPE.02.518 Model Projectspecificatie voor gelijkrichters en accu's.docx	1.4	8-11-2019	Bosman, Roy
SPE	06 - Kabels	SPE.06.350 Technical Specification for 220_ 380 kV AC Land Cable connections with Insulation made of extruded Polyethylene.pdf	2.2	31-10-2019	Zuijderduin, Roy
SPE	06 - Kabels	SPE.06.359 Technical Specificationf or 110 _ 150 kV AC Land Cable connections with Insulation made of extruded Polyethylene.pdf	2.2	31-10-2019	Zuijderduin, Roy
SPE	02 - Secundair	SPE.02.563 Algemene specificatie voor power quality meters.pdf	1.3	30-10-2019	Bosman, Roy
SPE	00 - Algemeen	SPE.00.903 Conservering Grote Buiscontructies.pdf	1.6	30-10-2019	Kielman, Berend
SPE	05 - Lijnen	SPE.05.356 Technical Specification Composite Long-rod Insulators for OHL.pdf	3.1	30-10-2019	Ton van der Wekken
SPE	05 - Lijnen	SPE.05.358 Technical Specification Composite Post Insulators for OHL.pdf	2.1	30-10-2019	Ton van der Wekken
SPE	01 - Primair	SPE.01.425.200 Generic specification HGIS.pdf	1.1	30-10-2019	Born, Dennis van der
SPE	05 - Lijnen	SPE.05.355 Generic specification GZTACSR (GAP-TYPE) conductors.pdf	2.0	30-10-2019	Ton van der Wekken
SPE	05 - Lijnen	SPE.05.354 Generic specification CFCC conductors.pdf	2.0	30-10-2019	Ton van der Wekken
SPE	01 - Primair	SPE.01.425.100 Generic specification GIS.pdf	1.2	30-10-2019	Born, Dennis van der

SPE	02 - Secundair	SPE.02.544 IP Convertor.pdf	1.2	30-10-2019	Bosman, Roy
SPE	04 - Bouwkundig/ Civiel	SPE.04.001 Algemene specificatie betonrenovatie.pdf	2.0	3-9-2019	Tuijn, Jos van
SPE	07 - EMC/ Aarding	SPE.01.459 Algemene specificatie aardnet TenneT Stations.pdf	1.3	3-9-2019	Tannemaat, Imre
SPE	02 - Secundair	SPE.02.501 Algemene specificatie secundaire installaties.pdf	1.4	3-9-2019	Jansen, Paul
SPE	05 - Lijnen	SPE.05.303 Algemene Specificatie trillingsdempers HS lijnen.pdf	2.0	3-9-2019	Ton van der Wekken
SPE	04 - Bouwkundig/ Civiel	SPE.04.006 Algemene Specificatie Eisen Bouwbesluit 2012.pdf	2.2	3-9-2019	Tuijn, Jos van
SPE	04 - Bouwkundig/ Civiel	SPE.04.007 Algemene specificatie trappen, (Kooi)ladders Hoogspanningslocaties.pdf	2.2	3-9-2019	Tuijn, Jos van
SPE	02 - Secundair	SPE.02.517 Algemene specificatie gelijkrichters en accu's.pdf	1.4	3-9-2019	Bosman, Roy
SPE	03 - Telematica	SPE.03.564 Algemene Specificatie metaalvrije Multi-Mode OM2 Glasvezelkabels.pdf	2.2	3-9-2019	Dorst, Hans
SPE	05 - Lijnen	SPE.05.332 Generic specification for clamps and fitings in OHL.pdf	3.0	3-9-2019	Ton van der Wekken
SPE	03 - Telematica	SPE.03.585 Algemene Specificatie metaalvrije G652D single mode glasvezelkabel (voor gebruik in HDPE ducts).pdf	3.2	3-9-2019	Dorst, Hans
SPE	05 - Lijnen	SPE.05.301 Generic Specification for Spacer for OHL.pdf	3.0	3-9-2019	Ton van der Wekken
SPE	03 - Telematica	SPE.03.563 Algemene Specificatie Aanleg en Montage van Multi-Mode Glasvezelverbindingen op hoogspanningsstations.pdf	2.2	3-9-2019	Dorst, Hans
SPE	04 - Bouwkundig/ Civiel	SPE.04.003 Algemene specificatie tijdelijke afscherming componenten met verhoogd explosiegevaar.pdf	2.0	3-9-2019	Tuijn, Jos van
SPE	03 - Telematica	SPE.03.559 Algemene specificaties voor de aanleg en montage van Single Mode glasvezels tussen hoogspanningsstations.pdf	2.1	3-9-2019	Dorst, Hans
SPE	05 - Lijnen	SPE.05.346 Algemene Specificatie Stalen HS Masten.pdf	2.0	3-9-2019	Wekken, Ton van der
SPE	03 - Telematica	SPE.03.326 Bijlage bij algemene specificatie glasvezelkabel koppelpunten.pdf	2.1	3-9-2019	Dorst, Hans
SPE	07 - EMC/ Aarding	SPE.01.459 Algemene specificatie aardnet TenneT stations Bijlagen.pdf	1.0	3-9-2019	Tannemaat, Imre
SPE	02 - Secundair	SPE.02.515 Algemene Specificatie AC_DC LS verdelers secundaire install v.pdf	1.3	21-5-2019	Bosman, Roy
SPE	01 - Primair	SPE.01.470 Wall Bushing.pdf	2.3	4-2-2019	Born, Dennis van der
SPE	03 - Telematica	SPE.03.326 Algemene Specificatie Glasvezelkabel Koppelpunten.pdf	2.1	10-12-2018	Dorst, Hans
SPE	03 - Telematica	SPE.03.600 Algemene Specificatie voor Categorie 5E Netwerkbekabeling.pdf	1.1	10-12-2018	Dorst, Hans
SPE	03 - Telematica	SPE.03.601 Algemene Specificatie voor Categorie 6 Netwerkbekabeling.pdf	1.1	10-12-2018	Dorst, Hans
SPE	03 - Telematica	SPE.03.328 Algemene specificatie montage koppelpunten glasvezelkabel HS lijnen.pdf	2.1	10-12-2018	Dorst, Hans
SPE	05 - Lijnen	SPE.05.350 Generic Specification Cap-and-pin insulators of toughened glass.pdf	2.1	10-12-2018	Ton van der Wekken
SPE	00 - Algemeen	SPE.00.910 Generic Specification Factory Acceptance Test Process.pdf	1.1	10-12-2018	Tannemaat, Imre
SPE	01 - Primair	SPE.01.404-N Generic Specification Power Transformers.pdf	6.0	10-12-2018	Kanters, Jos
SPE	02 - Secundair	SPE.02.543 Bijlage TenneT IEC 60870-5-101 PID Unbalanced.pdf	4.6	5-12-2018	Bosman, Roy
SPE	03 - Telematica	SPE.03.591 Alg spec uitvoeren metingen multi-mode glasvezels.pdf	1.0	4-7-2018	Dorst, Hans
SPE	01 - Primair	SPE.01.462 Generic specification filter banks.pdf	1.0	9-5-2018	Born, Dennis van der
SPE	02 - Secundair	SPE.02.546 TenneT IEC 60870-5-104 Protocol Implementation Document.pdf	3.2	20-3-2018	Mulder, Bas
SPE	01 - Primair	SPE.01.426.xxx Model Project specification GIS.docx	x.x	9-2-2018	Born, Dennis van der
SPE	01 - Primair	SPE.01.475 Generic specification RC dividers.pdf	1.2	1-2-2018	Tannemaat, Imre
SPE	05 - Lijnen	SPE.05.312 Algemene specificatie transport montage staalconstructies HS stations en HS lijnen.pdf	2.0	26-1-2018	Ton van der Wekken
SPE	06 - Kabels	SPE.06.351 Technical Specification for 220kV Cables.pdf	2.0	16-1-2018	Zuijderduin, Roy
SPE	02 - Secundair	SPE.02.502 Model projectspecificatie secundaire installaties.docx	1.3	14-7-2017	Bosman, Roy
SPE	02 - Secundair	SPE.02.543 Protection and Substation Automation.pdf	2.10H	13-12-2016	Bosman, Roy
SPE	02 - Secundair	SPE.02.543-N National Appendix Netherlands.pdf	1.4	13-12-2016	Bosman, Roy
SPE	01 - Primair	SPE.01.461-N-50kV-01 - Specification reactors - 50kV 75Mvar.pdf	3.0	11-11-2016	Kanters, Jos
SPE	01 - Primair	SPE.01.461-N-380kV-01 - Specification reactors - 380kV 150Mvar.pdf	3.0	11-11-2016	Kanters, Jos
SPE	01 - Primair	SPE.01.461-N-50kV-02 Specification reactor 50kV 100Mvar.pdf	3.0	11-11-2016	Kanters, Jos
SPE	01 - Primair	SPE.01.405-N-380 kV-02 project Specification 500 MVA Power Transformer.docx	2.0	11-11-2016	Kanters, Jos
SPE	01 - Primair	SPE.01.404 Generic Specification Power Transformers.pdf	5.0	9-11-2016	Kanters, Jos
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SPE	01 - Primair	SPE.01.461-N-20kV-01 - Specification reactors - 20kV 75MVA.pdf	3.0	9-11-2016	Kanters, Jos
SPE	01 - Primair	SPE.01.414 Dutch national Appendix 2 AC circuit-breakers.pdf	4.0	26-7-2016	Barts, Henny
SPE	01 - Primair	SPE.01.414 Generic Specification AC circuit-breakers.pdf	4.0	19-7-2016	Barts, Henny
SPE	02 - Secundair	SPE.02.543 Bijlage Security Properties for substation automation.pdf	1.0	12-11-2014	Bosman, Roy
SPE	02 - Secundair	SPE.02.543 Bijlage TenneT IEC 870-5-101 PID Balanced.pdf	1.3	11-11-2014	Bosman, Roy
SPE	02 - Secundair	SPE.02.543 Table of compliance protection and substation automation.xls		11-11-2014	Bosman, Roy
SPE	05 - Lijnen	SPE.05.323 Handleiding montage HDPE buis.docx	1.0	3-10-2014	Dorst, Hans

SPE	05 - Lijnen	SPE.05.353 Model project specificication special OHL conductors.docx	1.0	3-10-2014 Ton van der Wekken
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SPE	05 - Lijnen	SPE.05.334 Specification for Conductors.pdf	2.1	6-8-2014 Ton van der Wekken
SPE	05 - Lijnen	SPE.05.315 Generic specification for OPGW.pdf	2.4	3-8-2014 Ton van der Wekken
SPE	05 - Lijnen	SPE.05.315 Addendum OPGW test bundel version 10.pdf	1.0	3-8-2014 Ton van der Wekken
SPE	02 - Secundair	SPE.02.503 Algemene specificatie noodstroomaggregaten.pdf	1.1	16-1-2014 Jansen, Paul
SPE	02 - Secundair	SPE.02.504 Model projectspecificatie noodstroomaggregaten.docx	1.1	16-1-2014 Bosman, Roy
SPE	02 - Secundair	SPE.02.516 Model projectspecificatie AC_DC schakelmaterieel distributie secundaire installaties.docx	1.1	12-6-2012 Bosman, Roy
SPE	01 - Primair	SPE.01.439 Werkinstructie aluminium laswerk thermisch verzinken.docx	1.0	29-3-2011 Kanters, Jos
SPE	01 - Primair	SPE.01.451 Model projectspecificatie klemmen bevestigingsmat raildraagarmatuur geleider openl station.docx	1.0	29-3-2011 Kanters, Jos
SPE	02 - Secundair	SPE.02.505 Algemene specificatie eigenbedrijftransformatoren schakelstations.pdf	1.0	11-3-2011 Kanters, Jos
SPE	02 - Secundair	SPE.02.506 Model projectspecificatie eigenbedrijftransformatoren schakelstations.docx	1.0	11-3-2011 Kanters, Jos

BIJLAGE H: GRONDMECHANISCH ONDERZOEK STATION EIBERGEN

Rapport

Projectnummer: 377076
Referentienummer: SWNL0271952
Datum: 29-01-2021

Grondmechanisch onderzoek

Uitbreiding hoogspanning station Eibergen

Concept

Opdrachtgever:
TenneT TSO B.V.

Sweco
Velperweg 26
6824 BJ Arnhem
Postbus 485
6800 AL Arnhem

T +31 88 811 66 00
www.sweco.nl

Sweco Nederland B.V.

Handelsregister 30129769
Statutair gevestigd te De Bilt

Monique Snijders
Projectsecretaresse
T +31 88 811 54 13
M +31 6 46 76 36 79

Revisiebeheer

Revisie	Datum	Status	Belangrijkste wijzigingen
C0	29-01-2021	Concept	Opstellen rapport

Verantwoording

Titel	Grondmechanisch onderzoek
Subtitel	Uitbreiding hoogspanning station Eibergen
Projectnummer	377076
Referentienummer	SWNL0271952
Revisie	C0
Datum	29-01-2021

Auteur	Monique Snijders
E-mailadres	monique.snijders@sweco.nl

Gecontroleerd door	Wout Nijhoving
Paraaf gecontroleerd	
Goedgekeurd door	Wout Nijhoving
Paraaf goedgekeurd	

Inhoudsopgave

1 Inleiding 5

1.1 Aanleiding 5

1.2 Leeswijzer 5

Bijlage 1 Boorplan en overzicht plangebied

Bijlage 2 Sonderingsresultaten

1 Inleiding

1.1 Aanleiding

TenneT TSO B.V. is voornemens het hoogspanningsstation te Eibergen (aan de Needseweg) uit te breiden om ook in de toekomst aan de elektriciteitsvraag te kunnen blijven voldoen. Tennet TSO B.V. heeft Sweco gevraagd voor het uitvoeren van een aantal conditionerende onderzoeken, waaronder voorliggend grondmechanisch onderzoek.

Figuur 1 Overzicht plangebied

1.2 Leeswijzer

In de bijlagen treft u het volgende aan:

- boorplan;
- de resultaten van de sonderingen in grafiekvorm.

Separaat bijgesloten zijn de GEF-bestanden.

Bijlage 1 Boorplan en overzicht plangebied

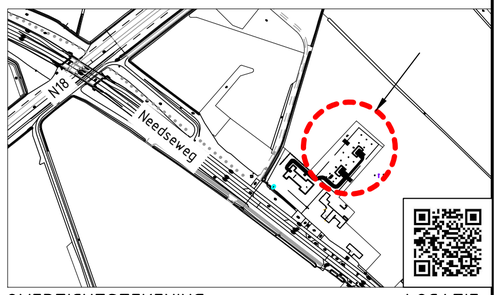
LEGENDA K&L

- datatransport
- laagspanning
- middenspanning
- hoogspanning
- hoogspanning
- grens klic-melding

"K&L informatie verkregen uit melding (#21G022601 d.d. 12-01-2020); de werkelijke ligging kan afwijken."

01 proefsleuf met volgnummer

01 sondering met volgnummer



OVERZICHTSTEKENING LOCATIE

0 2 4 6 8m
Schaal 1:200

CONCEPT

Opdrachtgever
TenneT TSO

Project
Station Eibergen

Onderdeel
Situatie proefsleuven

SWECO

Projectnummer	Tekeningnummer	Versie	Datum van uitgave	Ontwerpfase	Contractnummer
377076	377076-T001-L02	-	19-01-2021		.

Blad	Van	Schaal	Formaat	Kantoor	Get.	Gez.	Acc.
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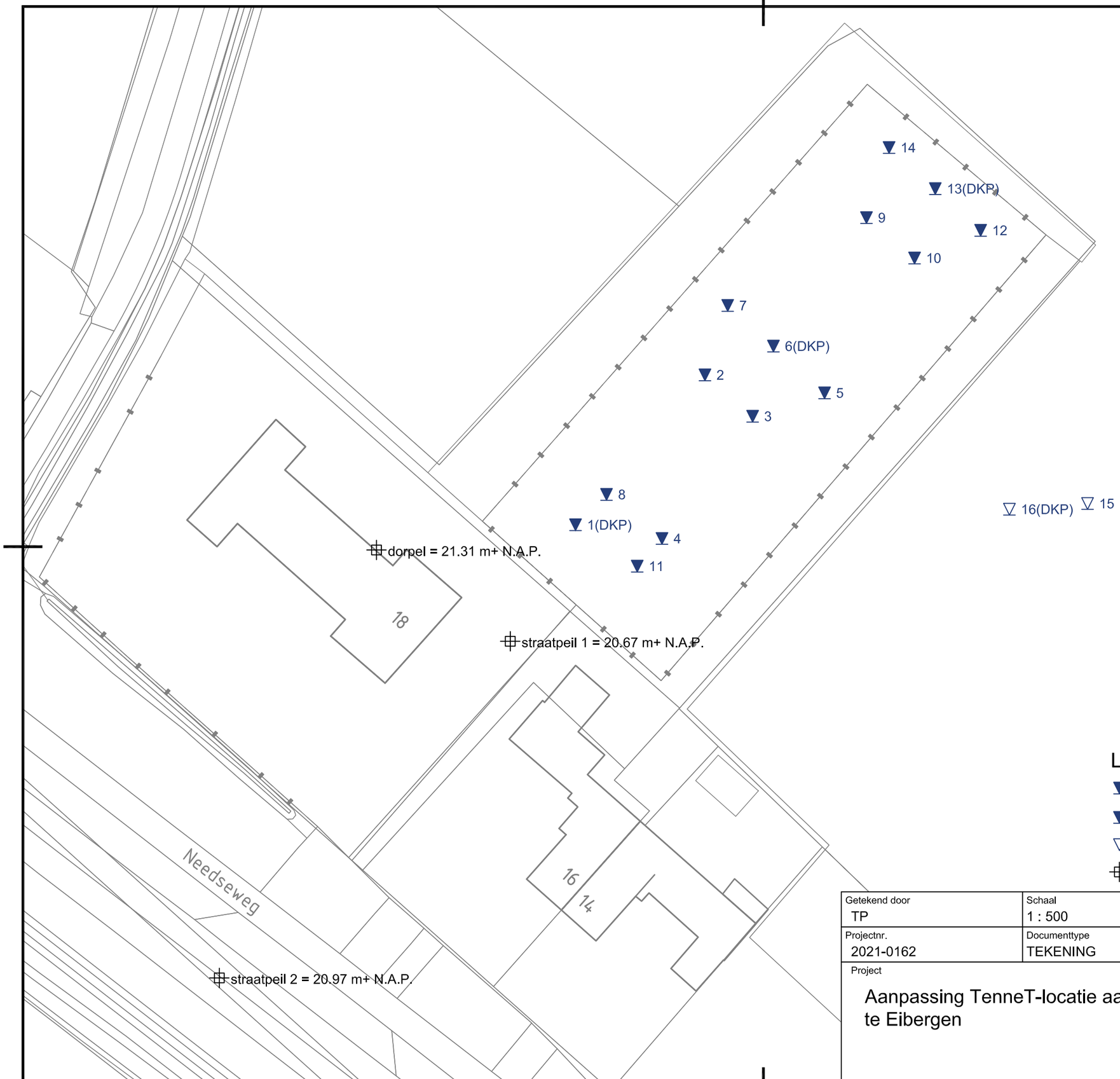
377076-T001.dwg



LEGENDA

- DKM — Diepsondering met plaatselijke wrijving
- DKP — Diepsondering met plaatselijke wrijving en waterspanning
- Niet uitgevoerde sondering
- Hoogtemeting

Getekend door	Schaal	Formaat	Blad	Aantal	Wijziging
TP	1 : 500	A3	1	1	22.01.21 MBK
Projectnr. 2021-0162	Documenttype TEKENING	Datum uitgifte 19.01.21			-
					-

Project

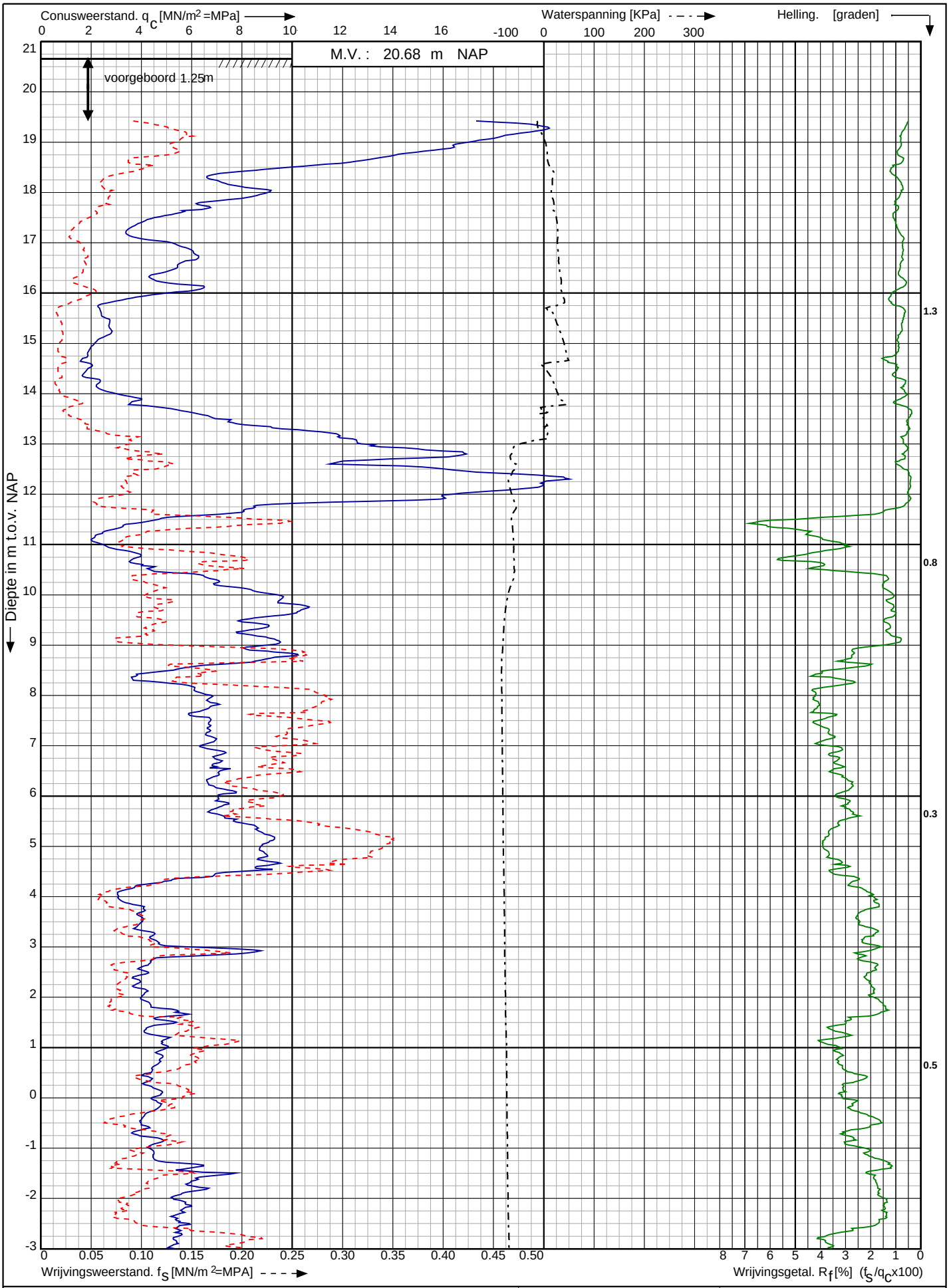
Aanpassing TenneT-locatie aan de Needseweg te Eibergen

0 5 10 15 20m

Koops grondmechanica

0522 - 260 084

Bijlage 2 Sonderingsresultaten



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240708.29 Y = 459513.88

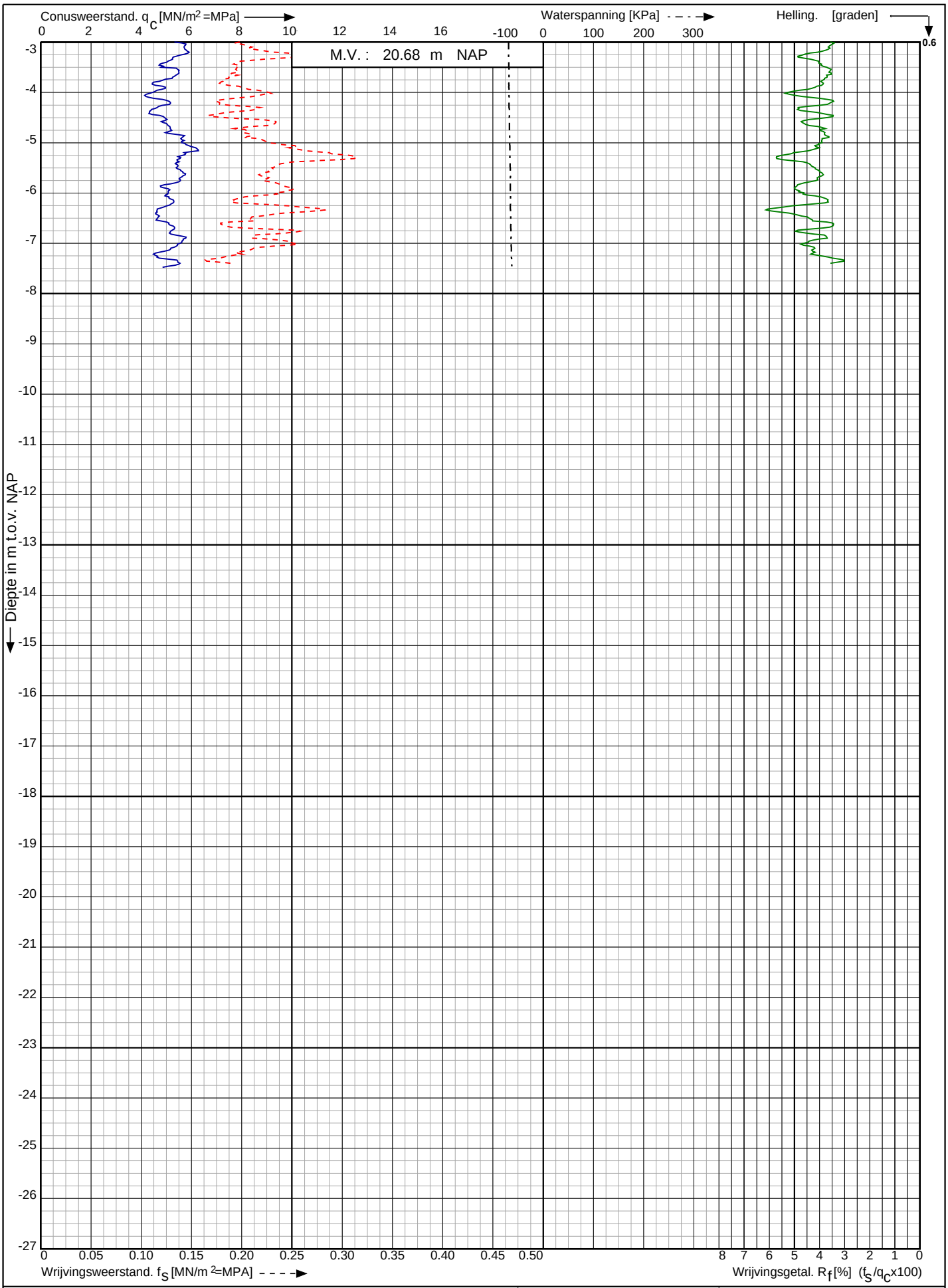
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 1

Koops grondmechanica

0522 - 260 084



Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

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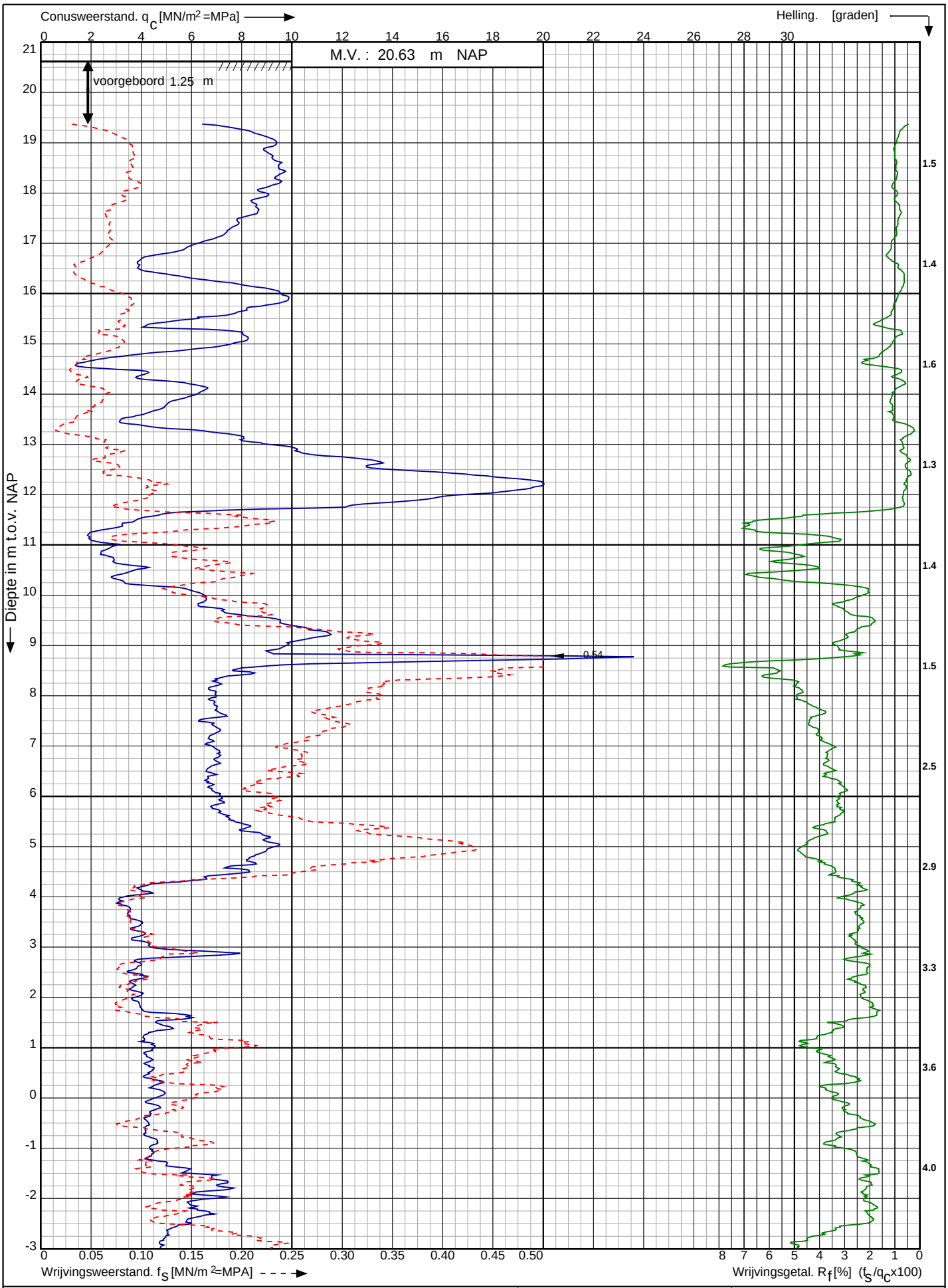
	Datum uitv. : 20-1-2021	0522 - 260 084
RD-coördinaten : X = 240708.29 Y = 459513.88	Sond. nr. : 1	



Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Conustype: cylindrisch elektrisch P15-CFII-15

Conusserienummer: 071108

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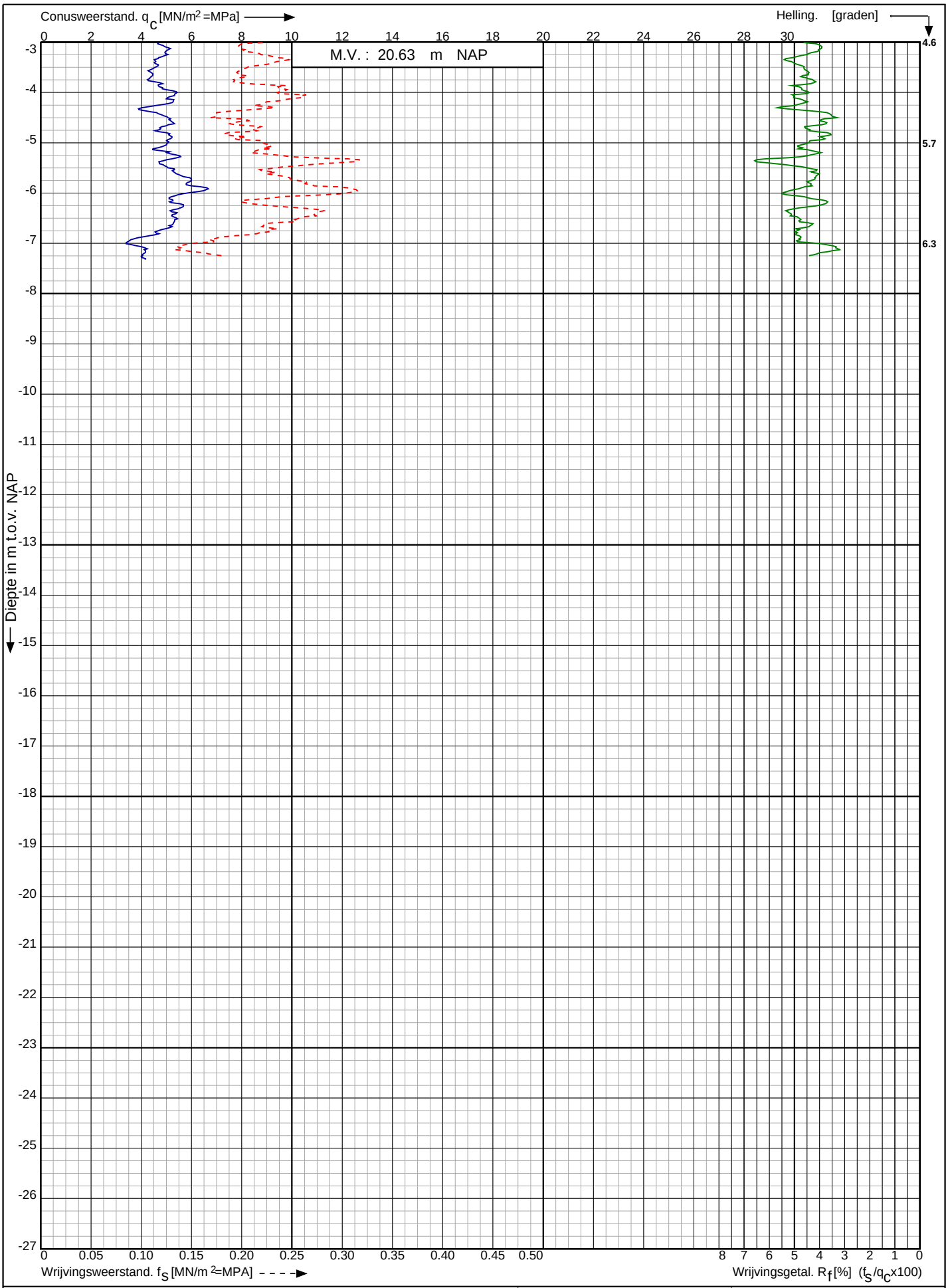

Aanpassing TenneT-locatie aan de Needseweg te Eibergen

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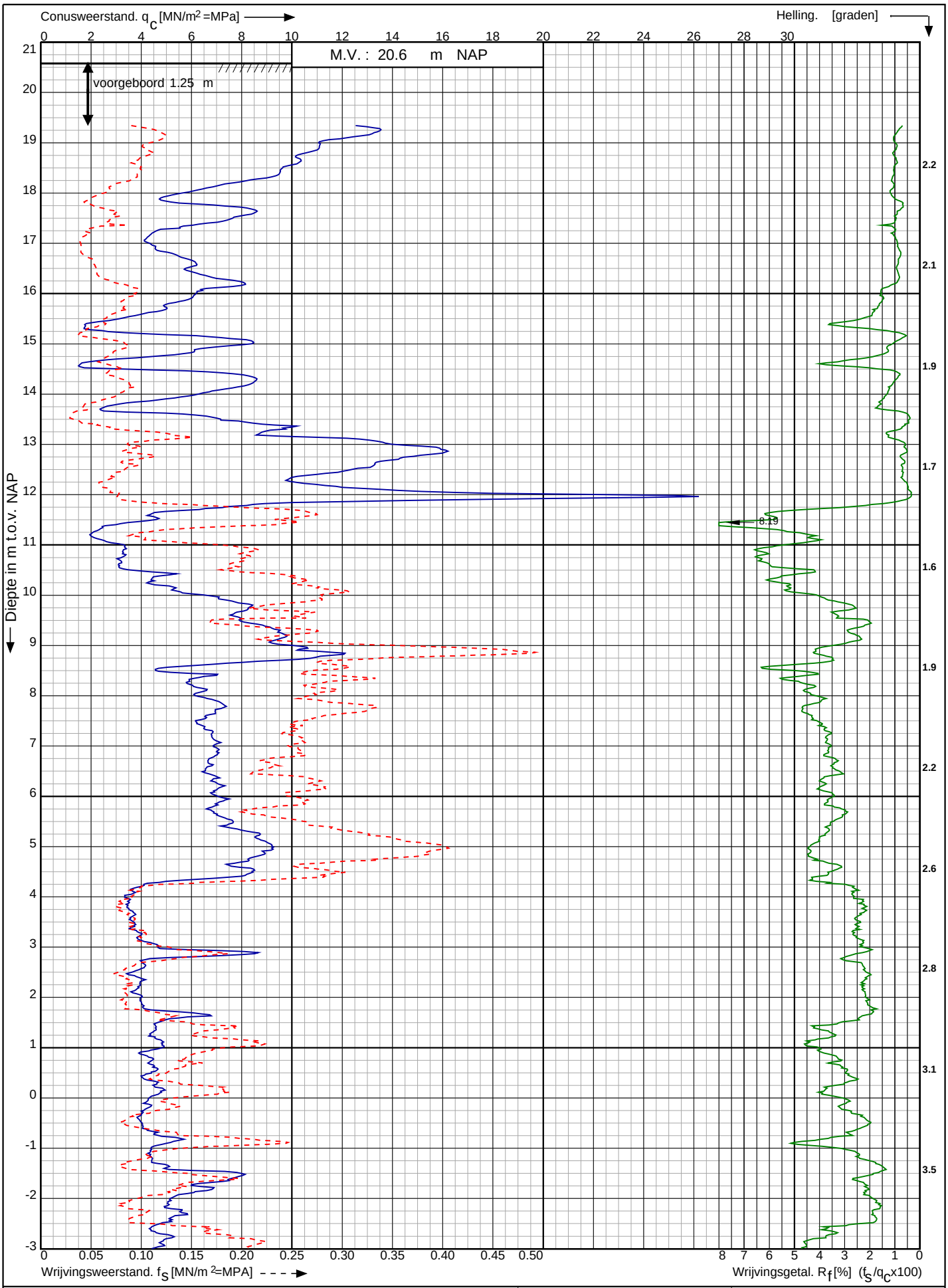
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 2

Koops grondmechanica 0522 - 260 084



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Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

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	Datum uitv. : 20-1-2021	
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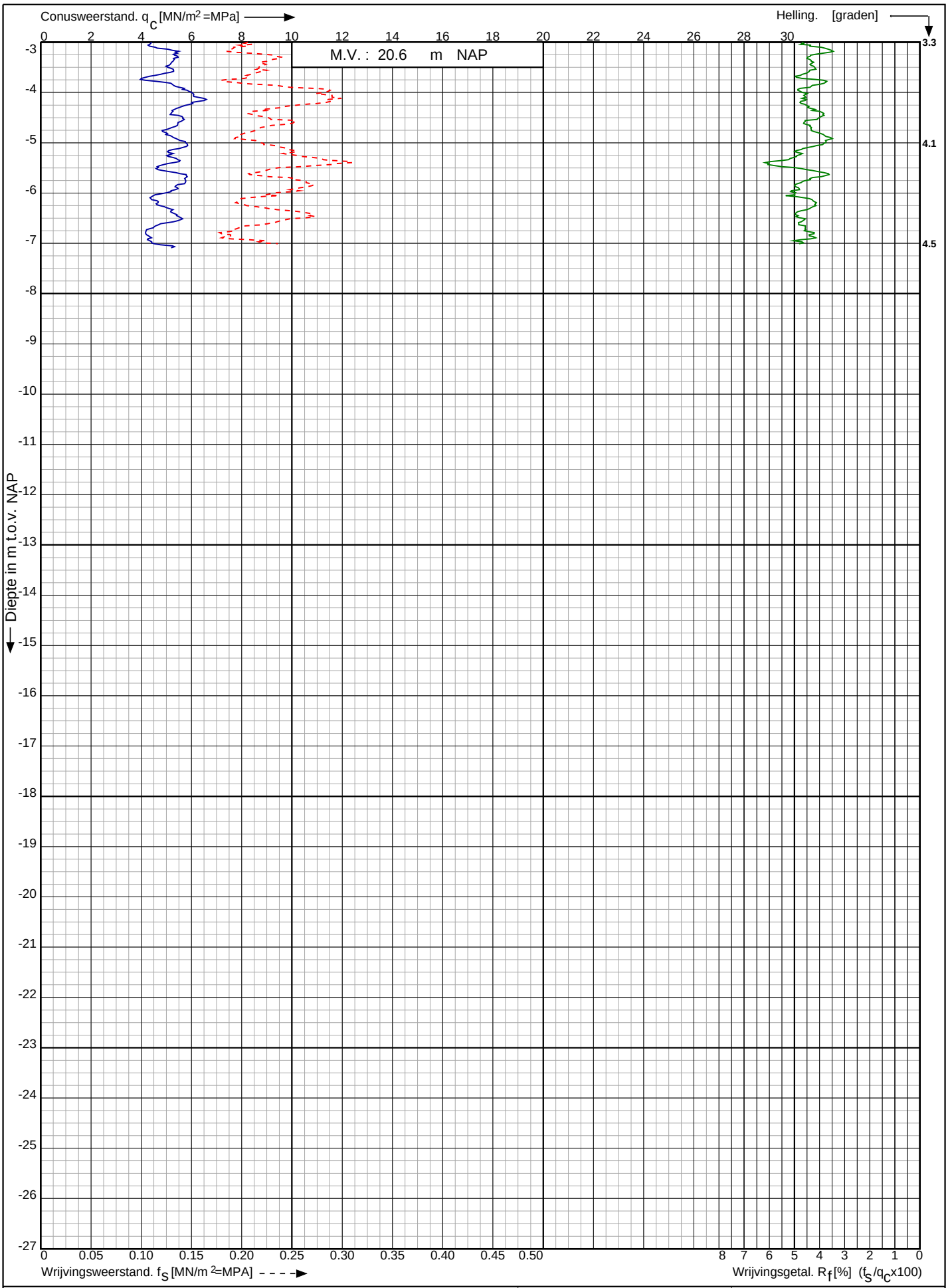


Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240731.01 Y = 459527.79

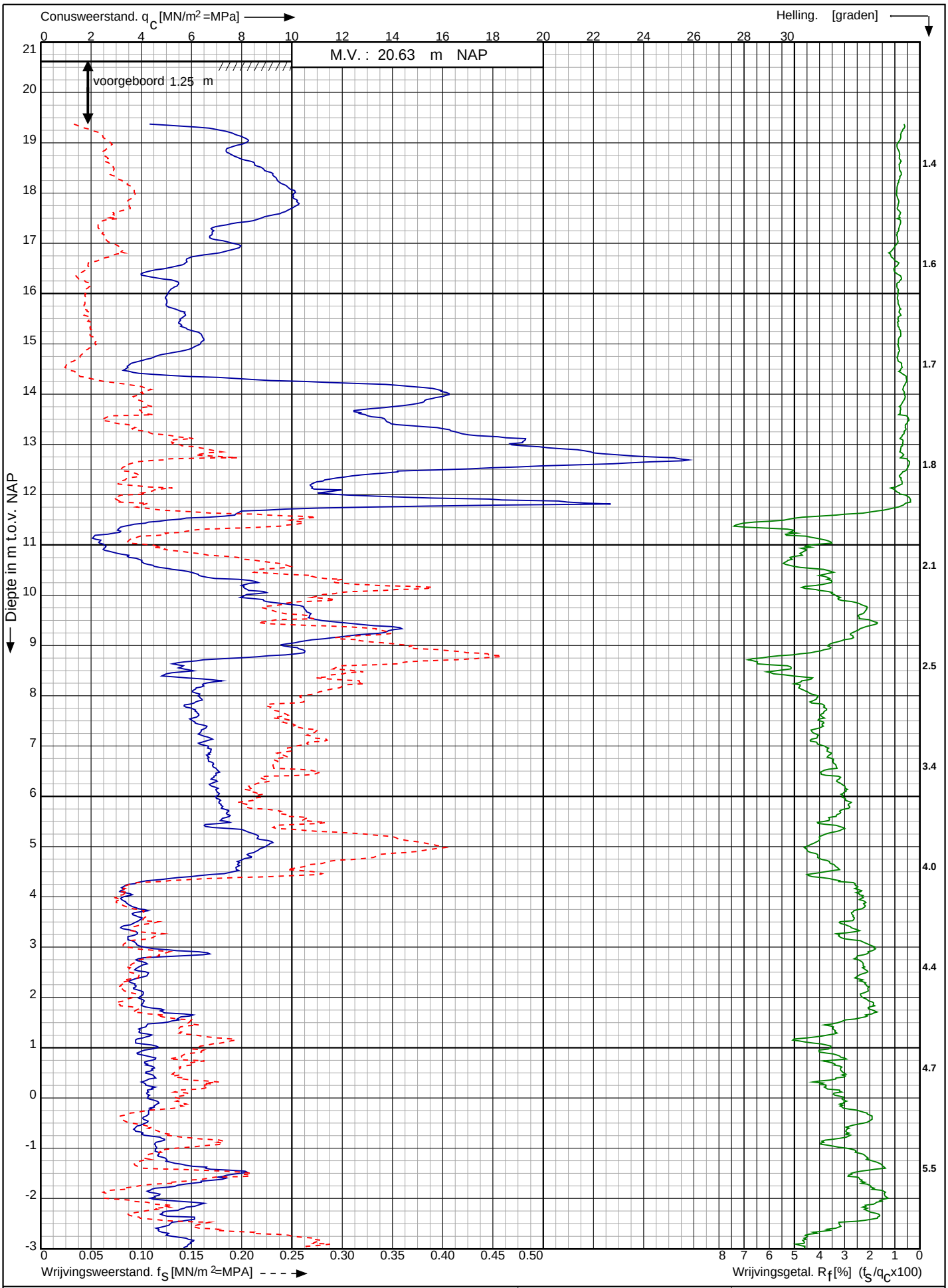
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 3

Koops grondmechanica

0522 - 260 084



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Datum uitv. : 21-1-2021

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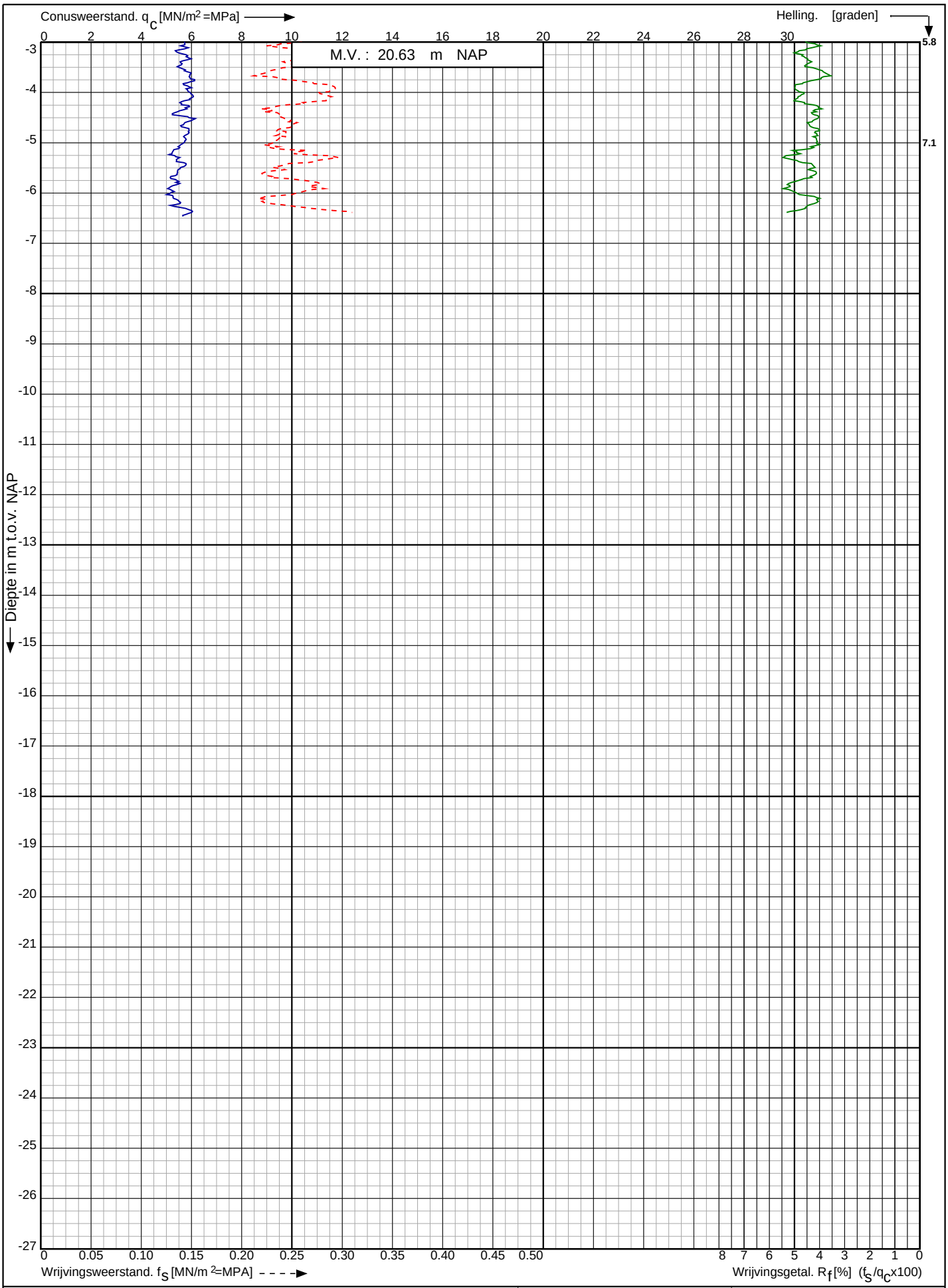
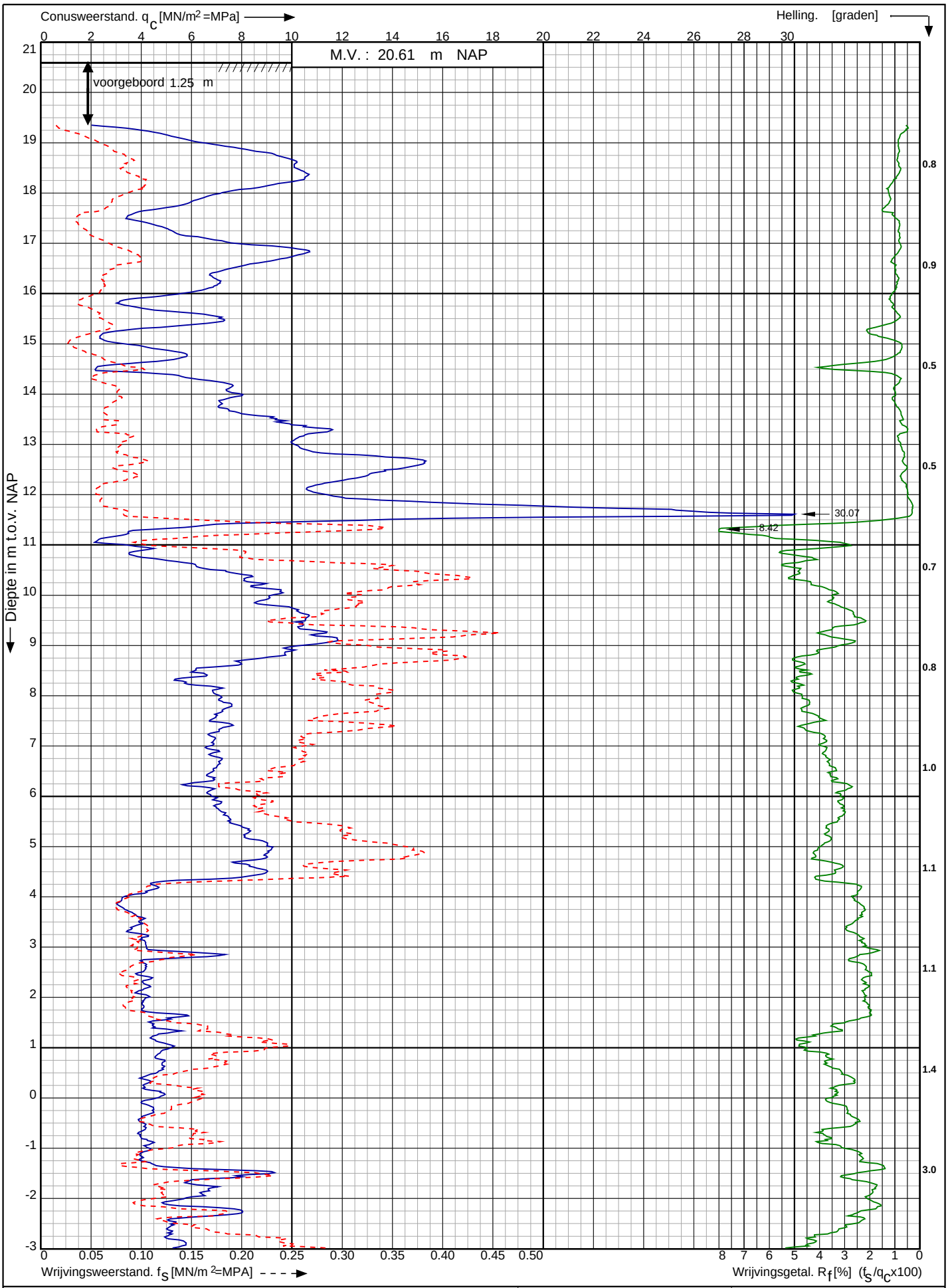


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 21-1-2021	0522 - 260 084
RD-coördinaten : X = 240719.38 Y = 459512.12	Sond. nr. : 4	

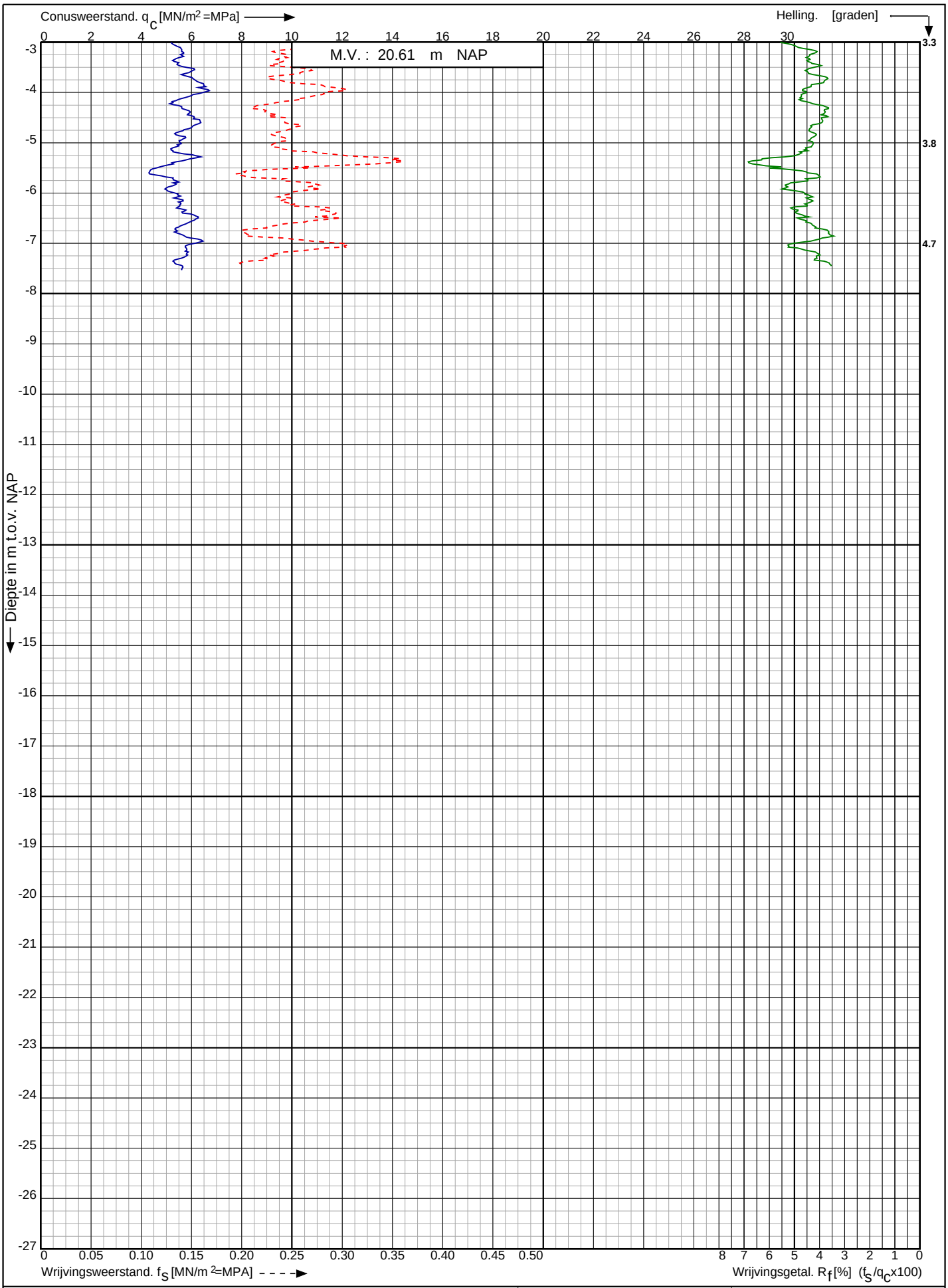


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 20-1-2021	0522 - 260 084
RD-coördinaten : X = 240740.24 Y = 459530.79	Sond. nr. : 5	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

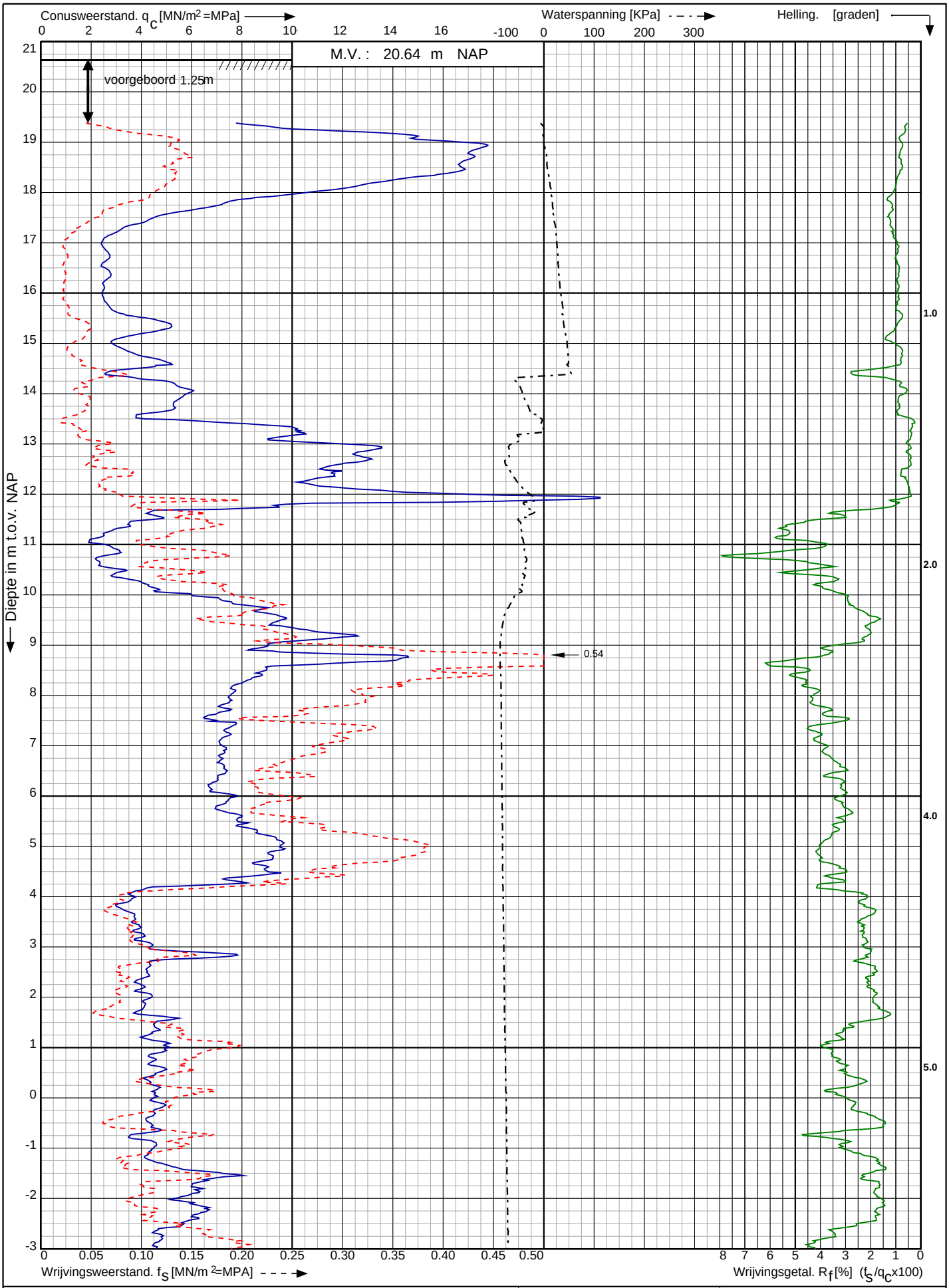
RD-coördinaten : X = 240740.24 Y = 459530.79

Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 5

Koops grondmechanica 0522 - 260 084

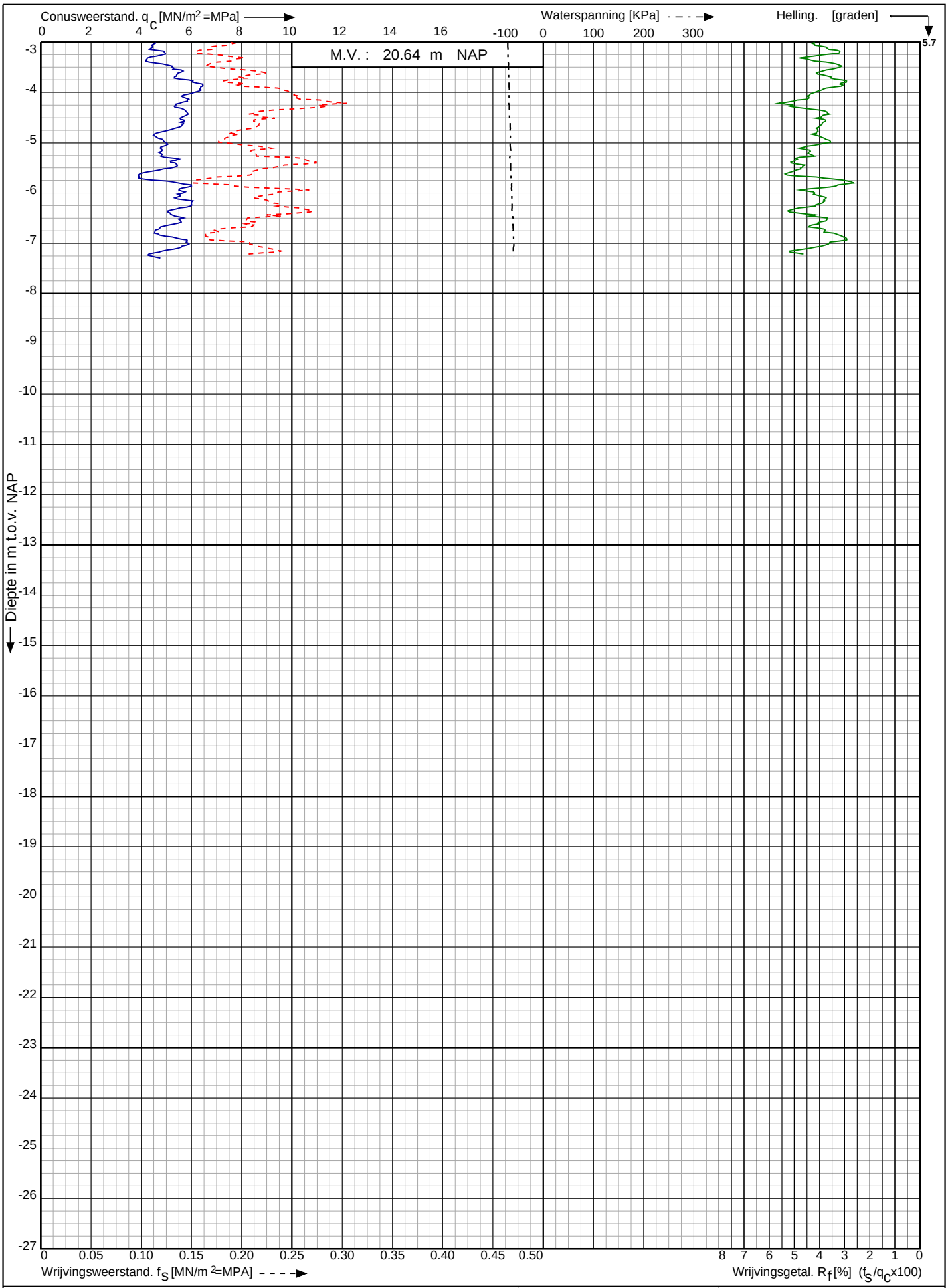


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 20-1-2021	0522 - 260 084
RD-coördinaten : X = 240733.68 Y = 459536.79	Sond. nr. : 6	

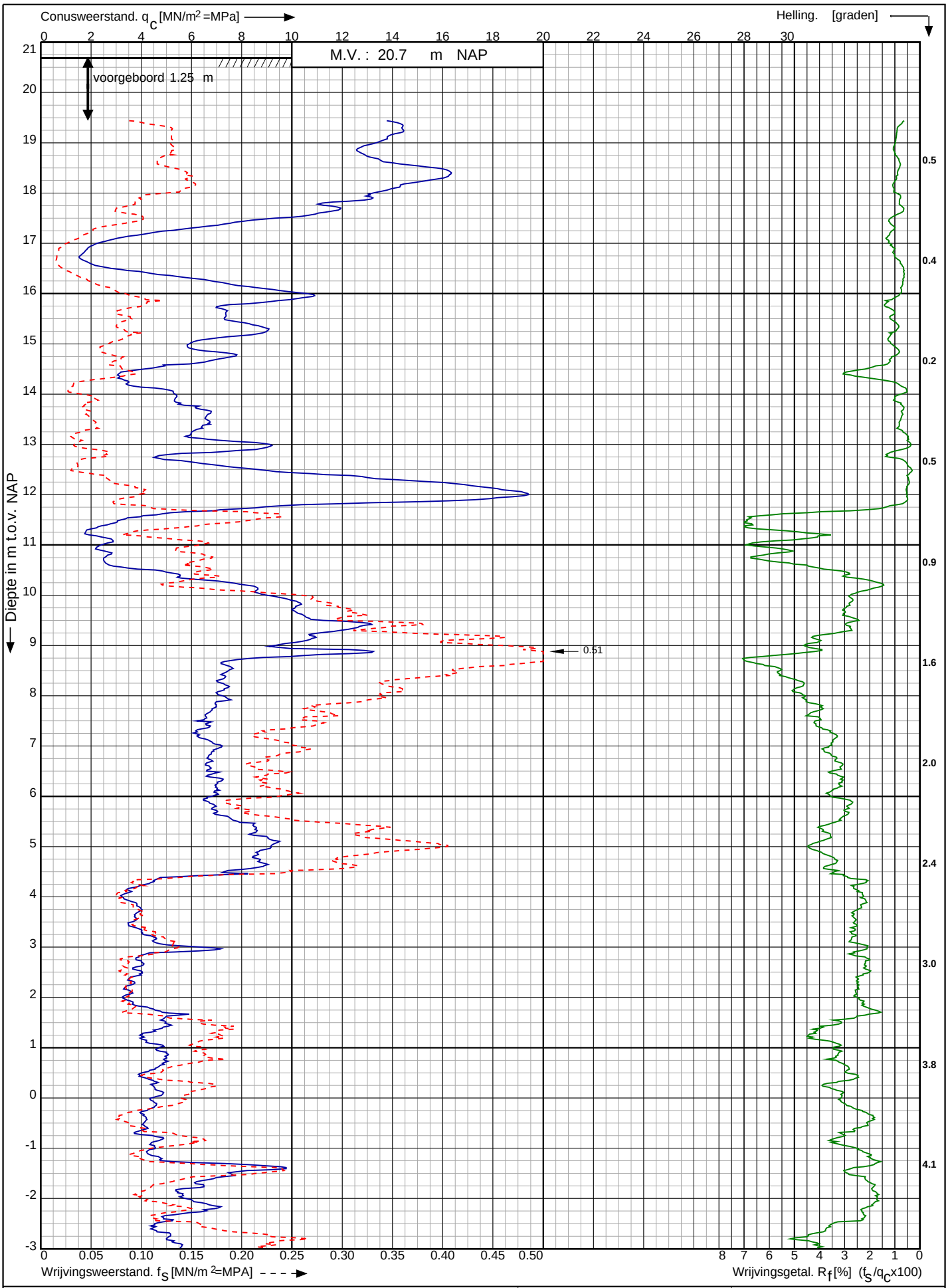


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 20-1-2021	
RD-coördinaten : X = 240733.68 Y = 459536.79	Sond. nr. : 6	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240727.81 Y = 459541.99

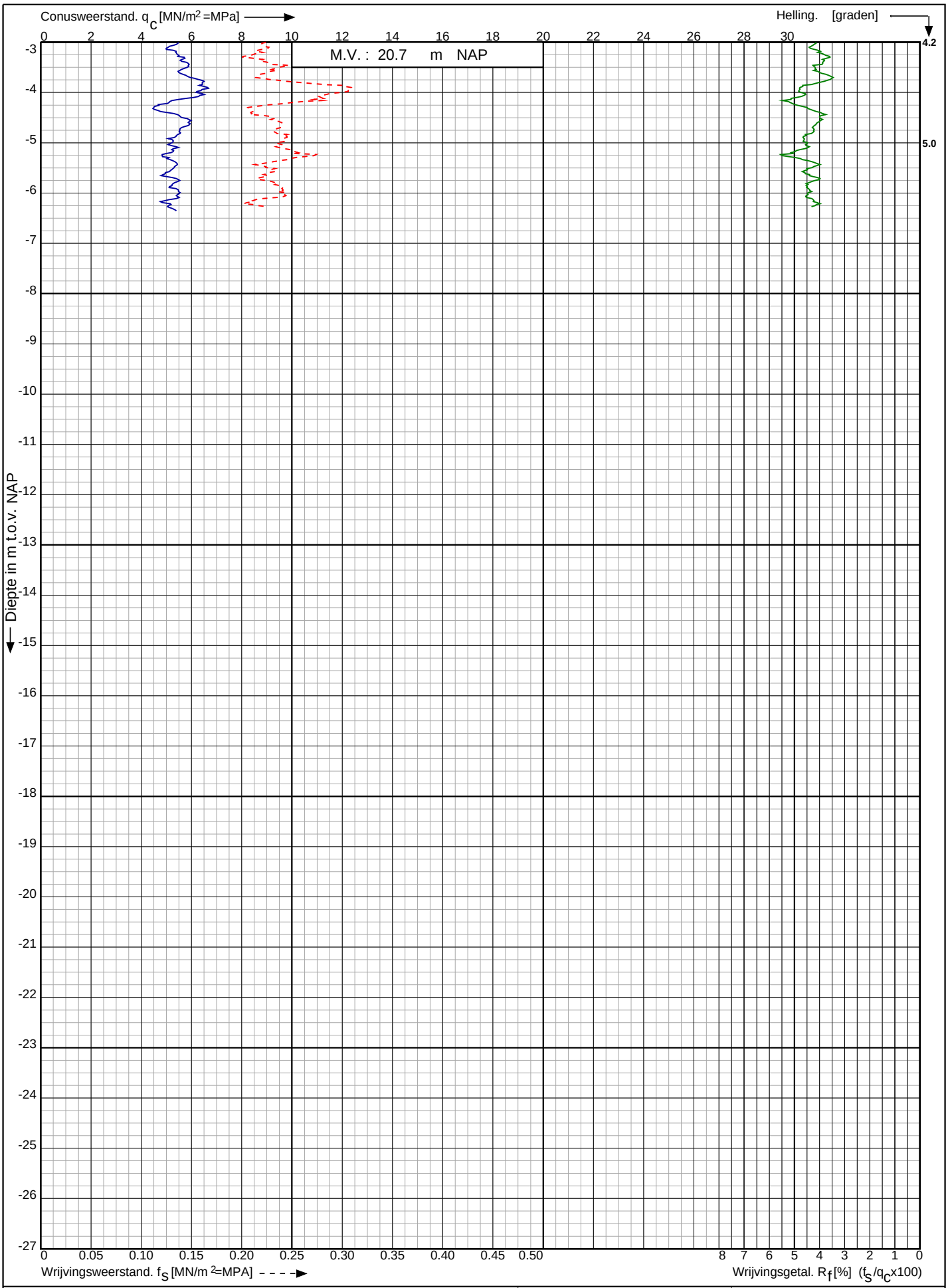
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 7

Koops grondmechanica

0522 - 260 084



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240727.81 Y = 459541.99

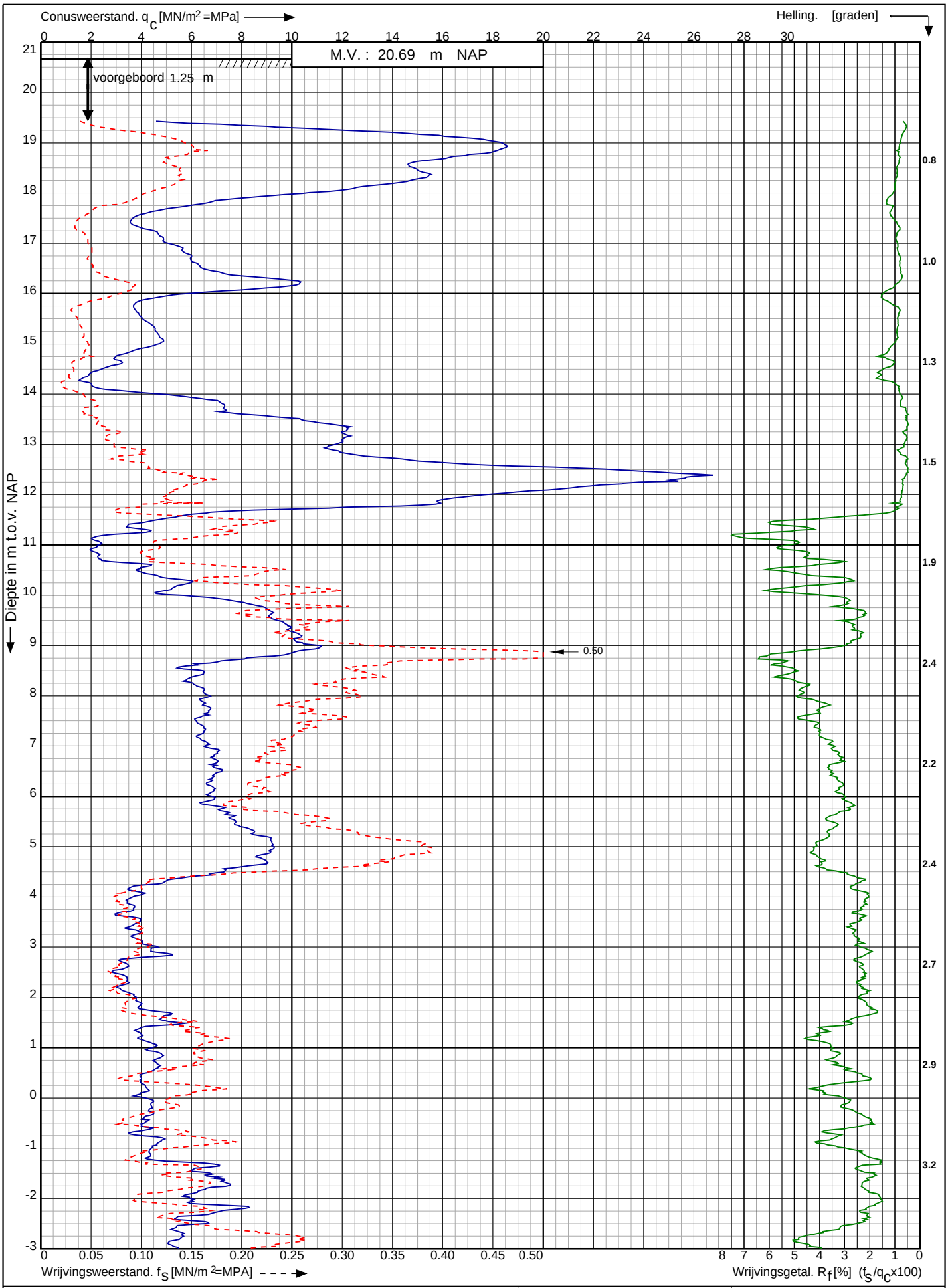
Opdr. nr. : 2021-0162

Datum uitv. : 20-1-2021

Sond. nr. : 7

Koops grondmechanica

0522 - 260 084

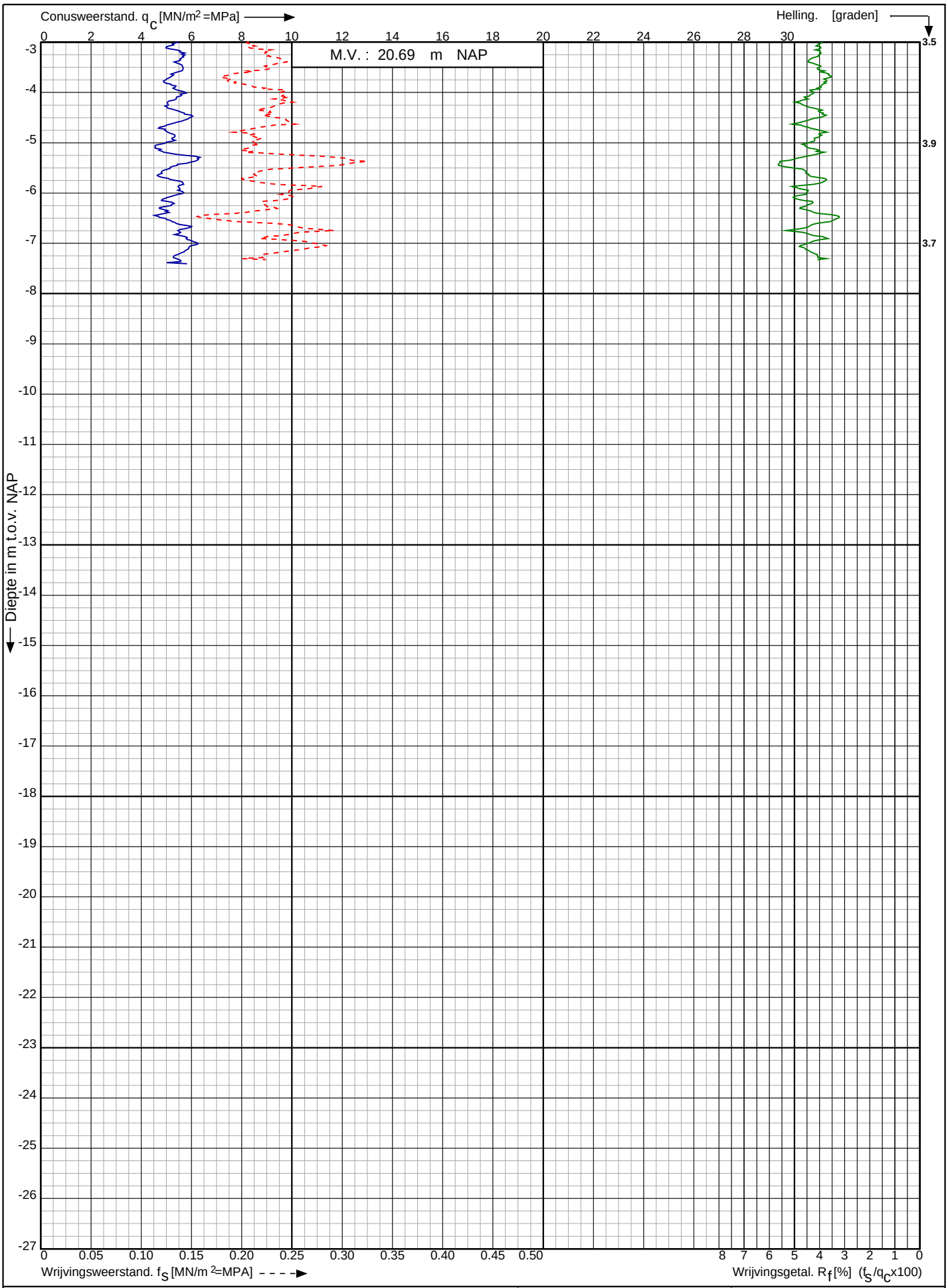


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 20-1-2021	
RD-coördinaten : X = 240712.26 Y = 459517.77	Sond. nr. : 8	

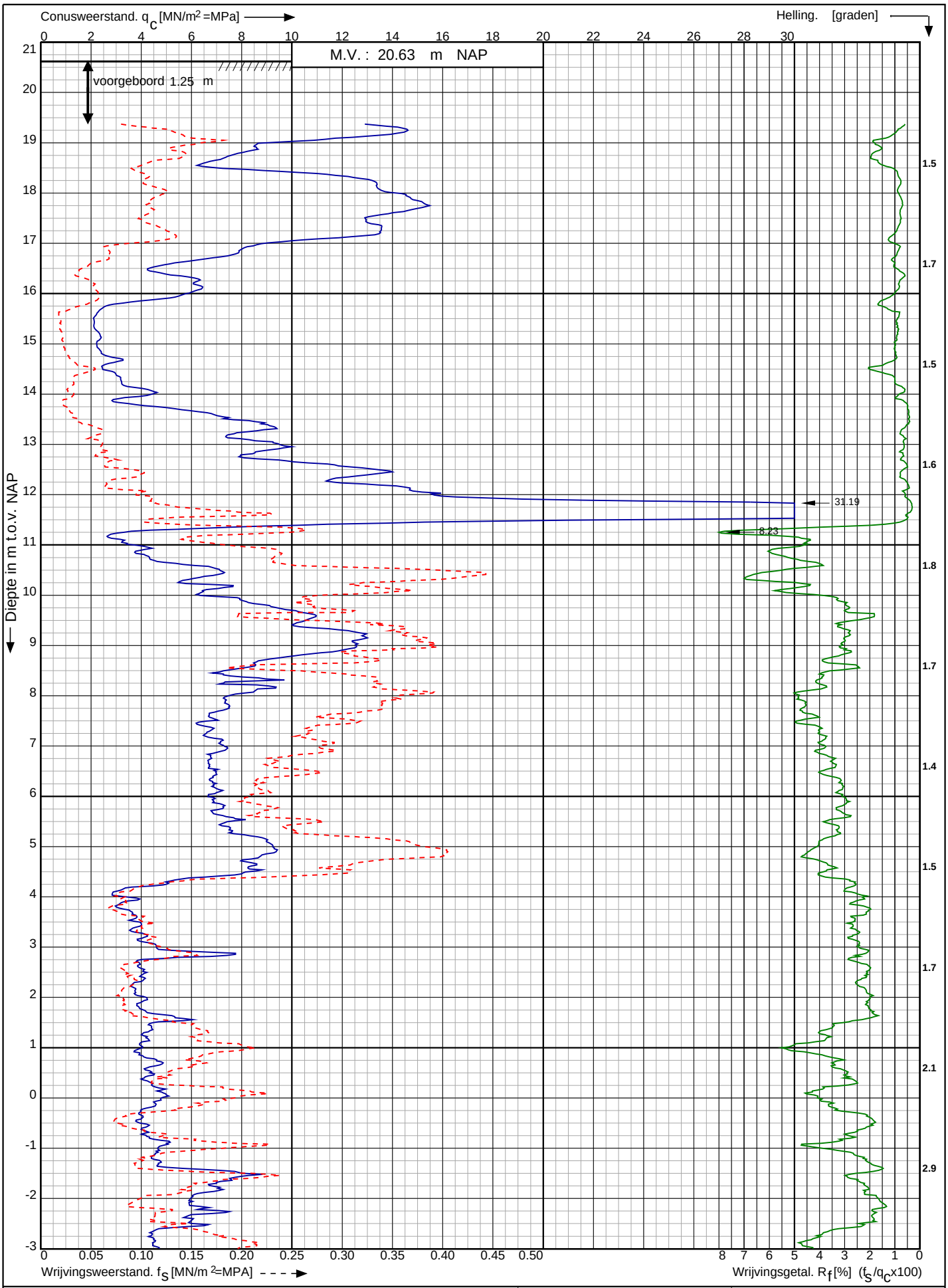


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 20-1-2021	
RD-coördinaten : X = 240712.26 Y = 459517.77	Sond. nr. : 8	

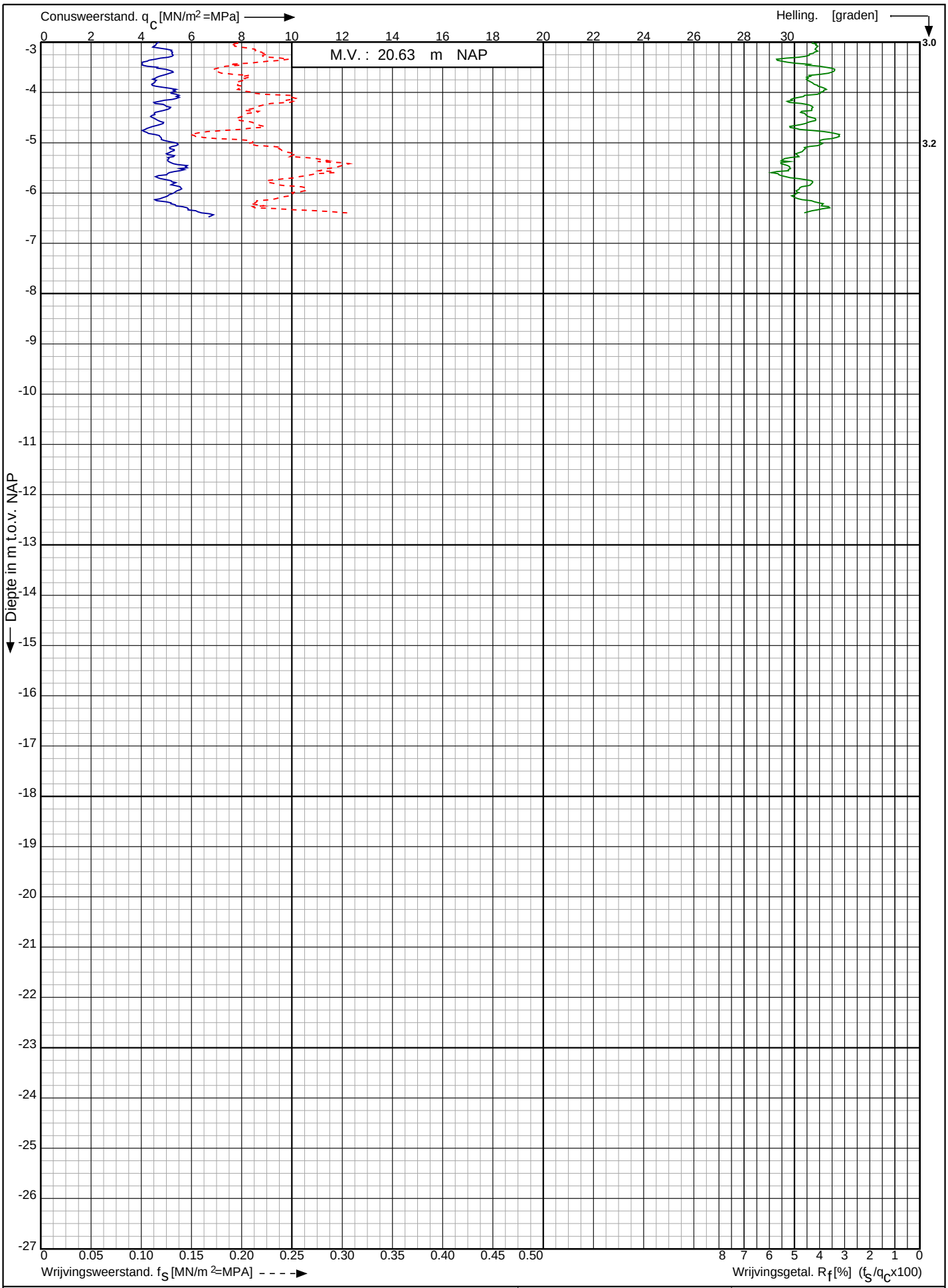


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240745.61 Y = 459553.26	Sond. nr. : 9	

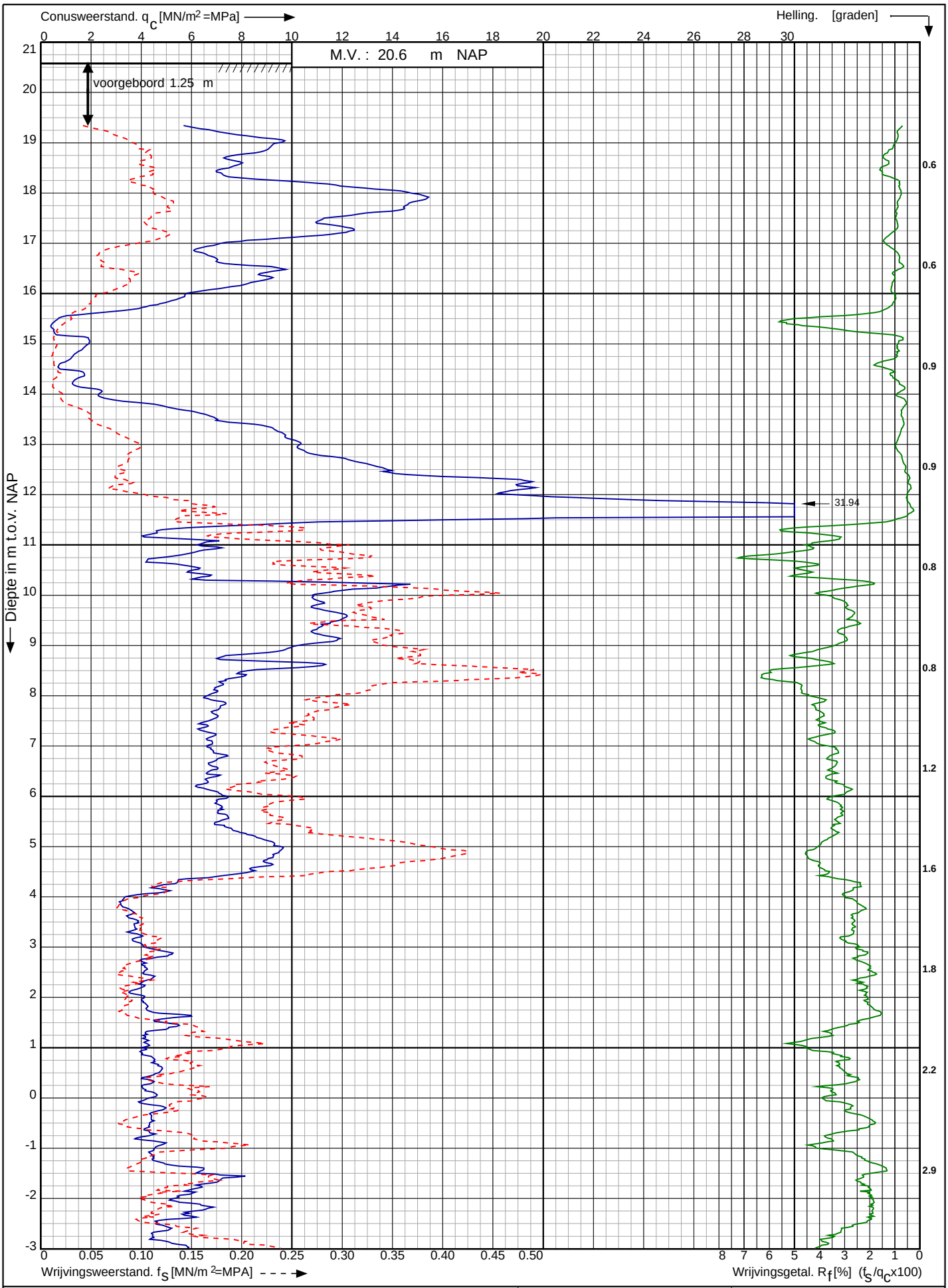


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240745.61 Y = 459553.26	Sond. nr. : 9	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

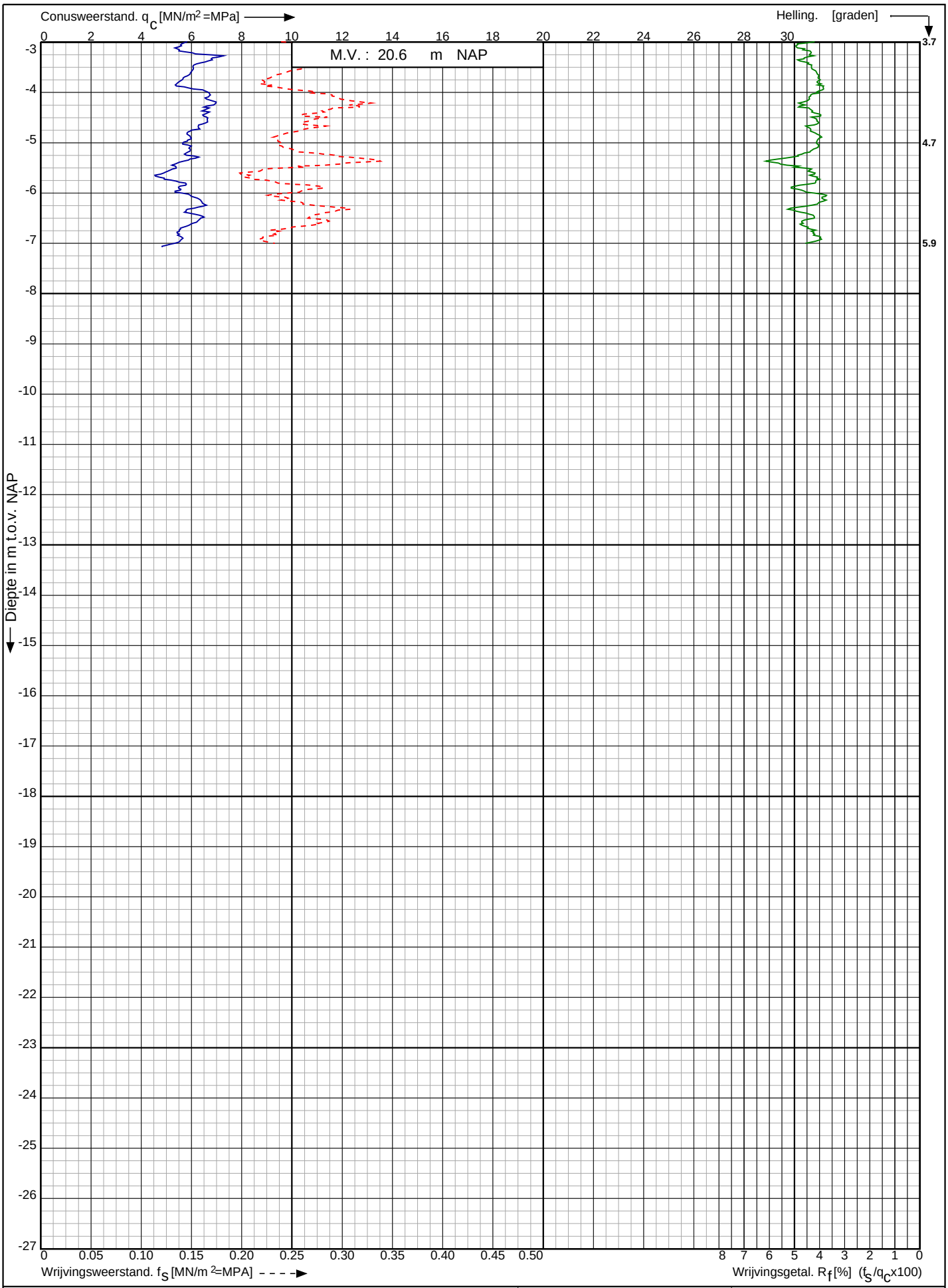
RD-coördinaten : X = 240751.78 Y = 459548.08

Opdr. nr. : 2021-0162

Datum uitv. : 21-1-2021

Sond. nr. : 10

Koops grondmechanica 0522 - 260 084

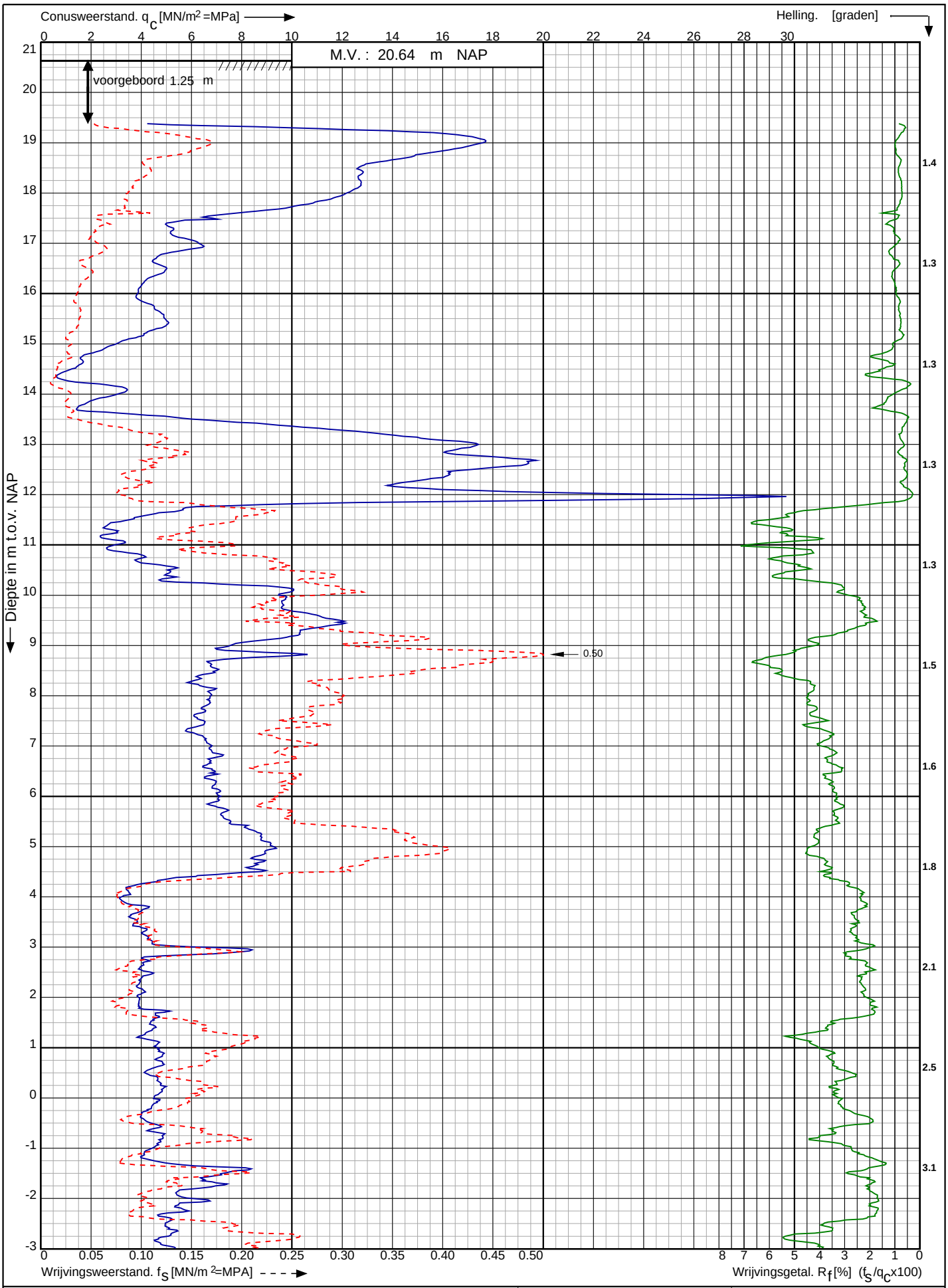


Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Conustype: cylindrisch elektrisch P15-CFII-15

Conusserienummer: 071108

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240751.78 Y = 459548.08	Sond. nr. : 10	

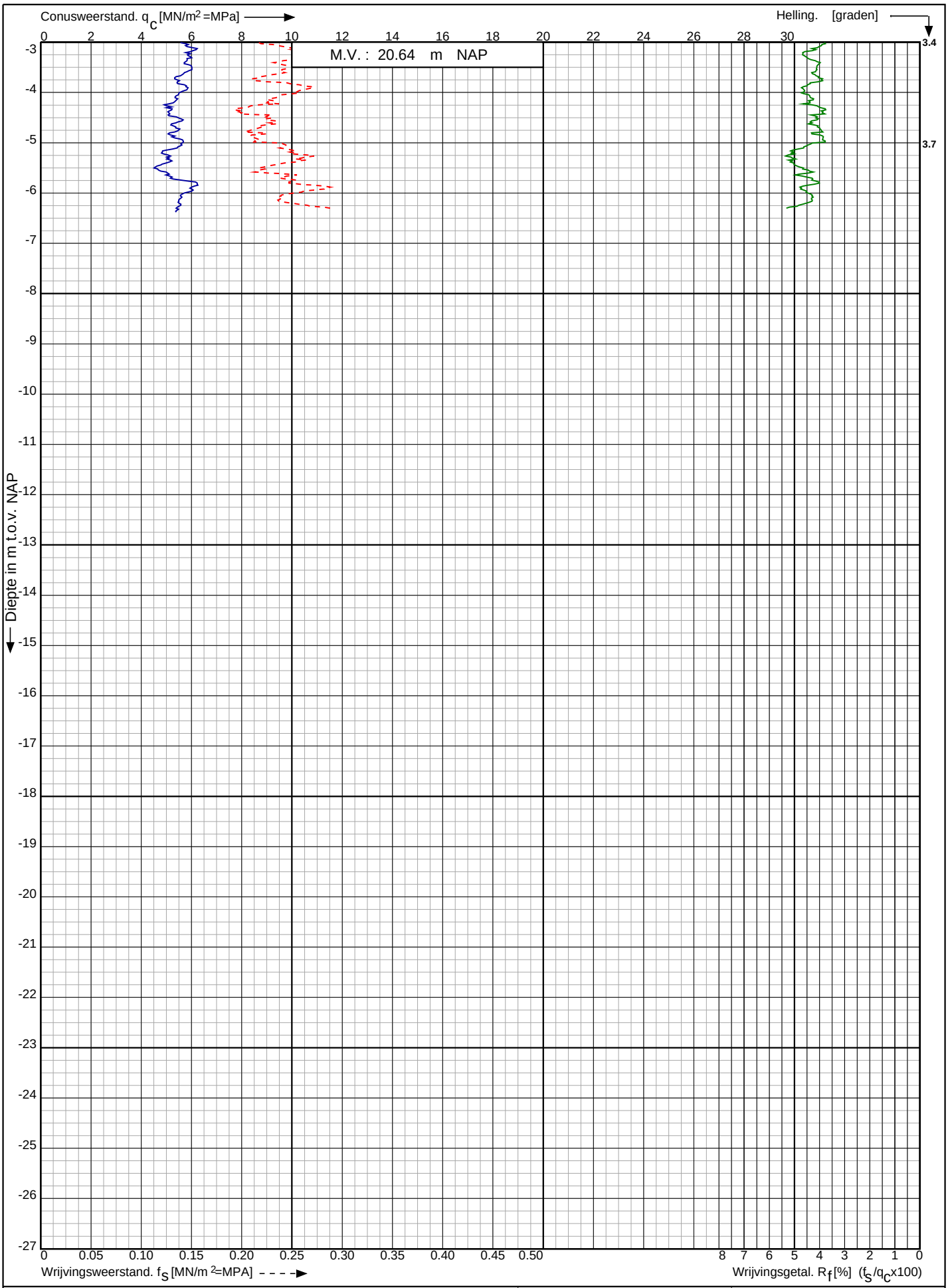


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240716.20 Y = 459508.57	Sond. nr. : 11	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

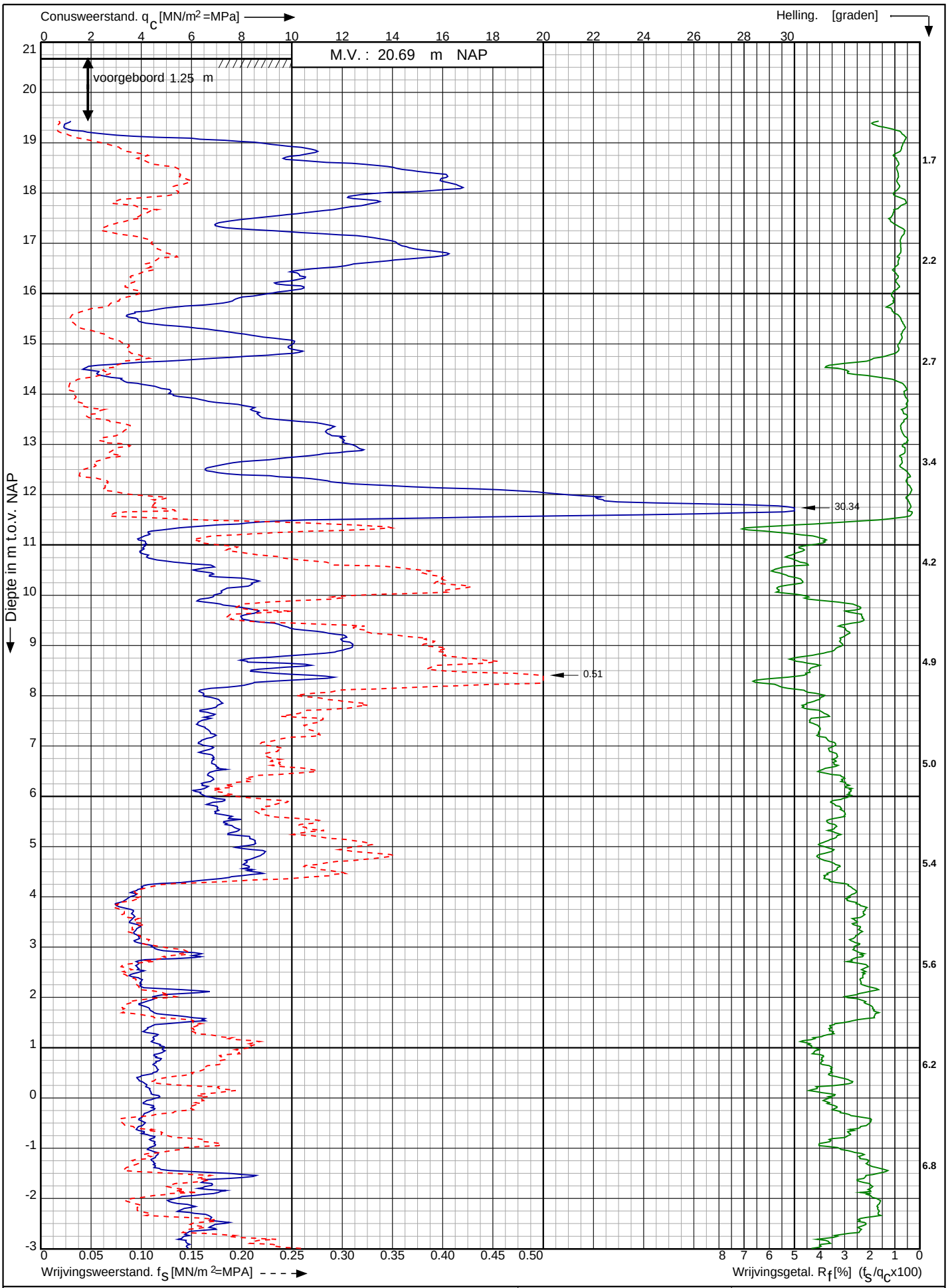
RD-coördinaten : X = 240716.20 Y = 459508.57

Opdr. nr. : 2021-0162

Datum uitv. : 21-1-2021

Sond. nr. : 11

Koops grondmechanica 0522 - 260 084

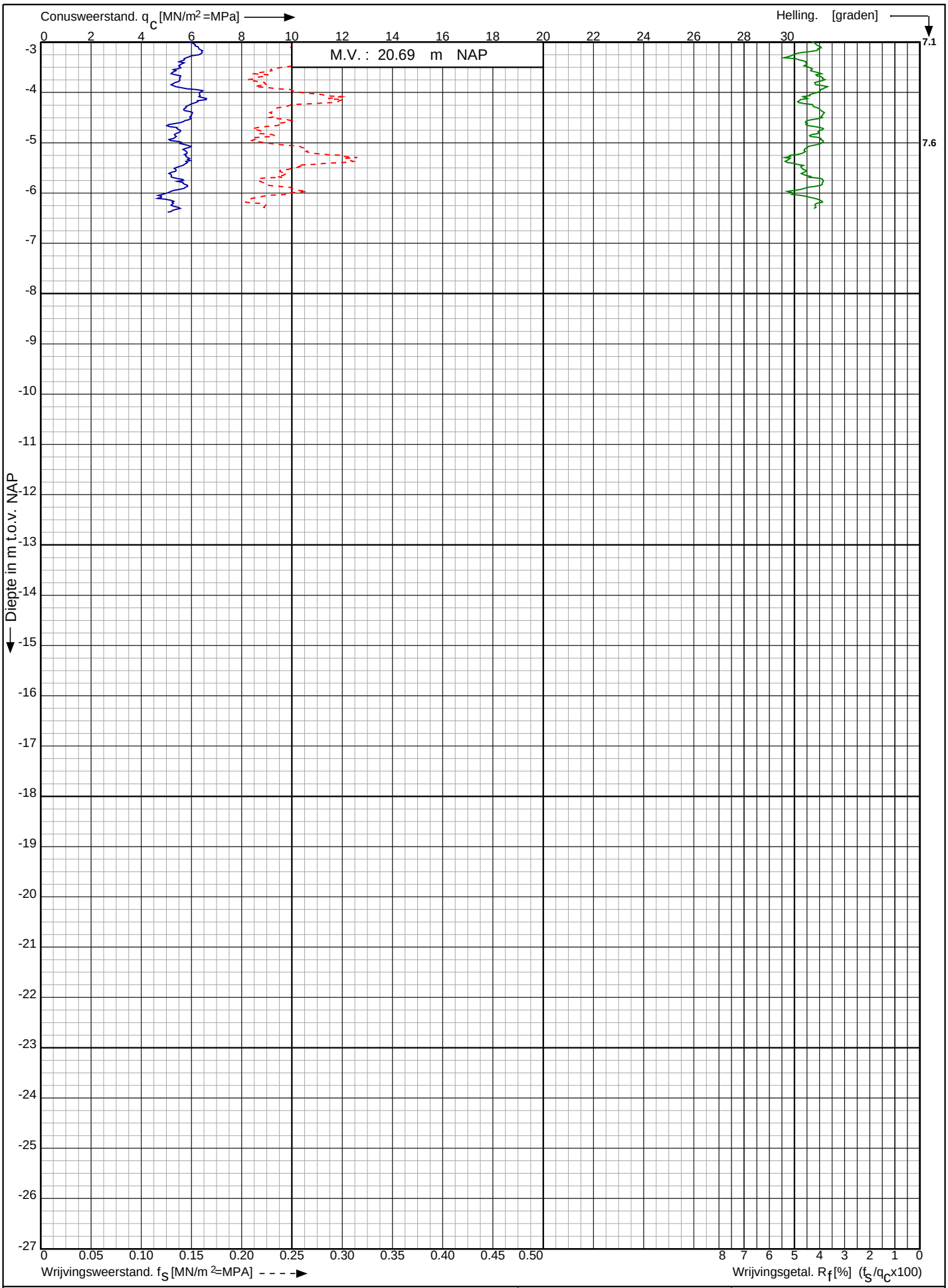


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 21-1-2021	0522 - 260 084
RD-coördinaten : X = 240760.26 Y = 459551.63	Sond. nr. : 12	

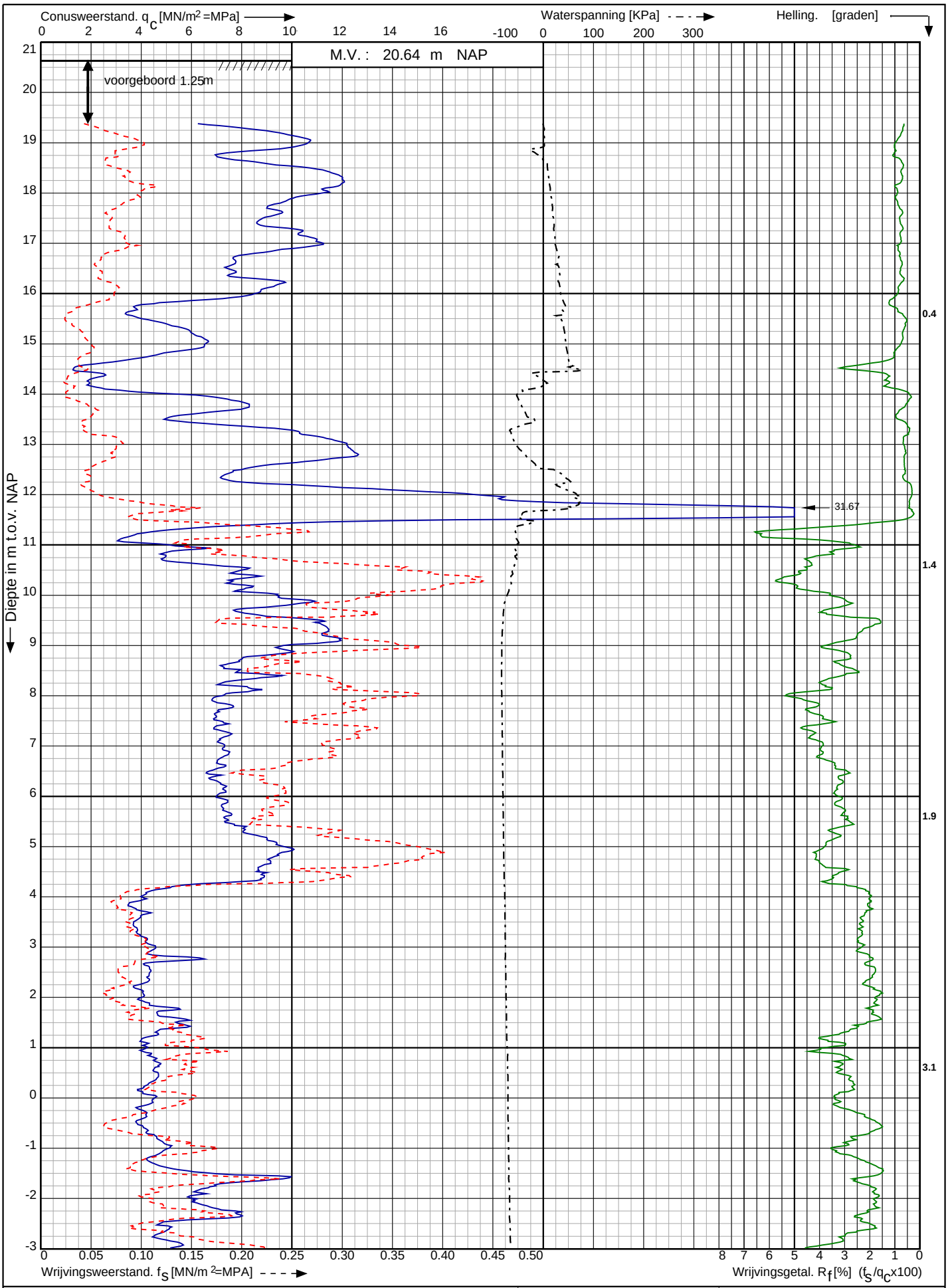


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240760.26 Y = 459551.63	Sond. nr. : 12	

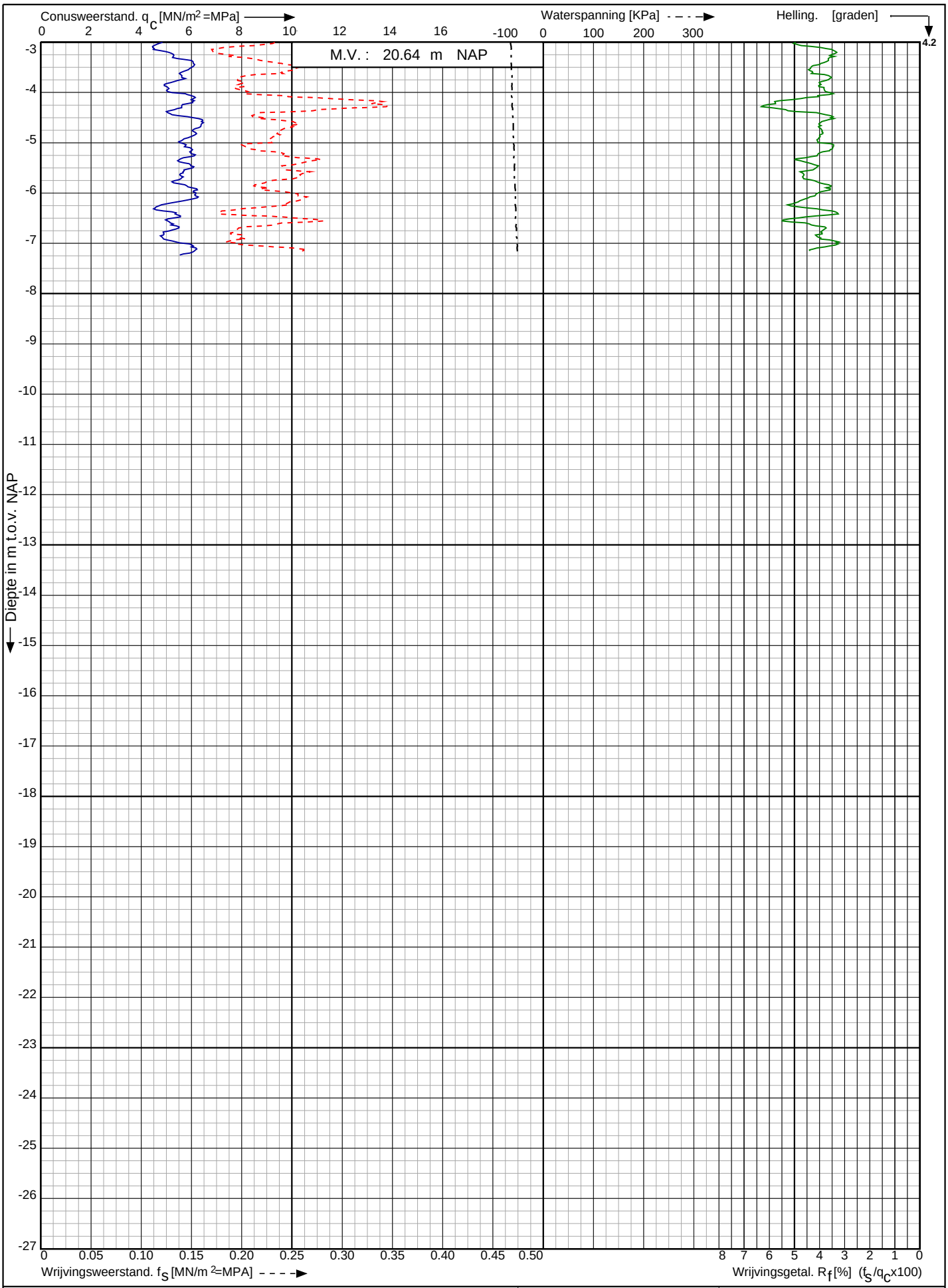


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFIIP-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240754.44 Y = 459556.97	Sond. nr. : 13	0522 - 260 084

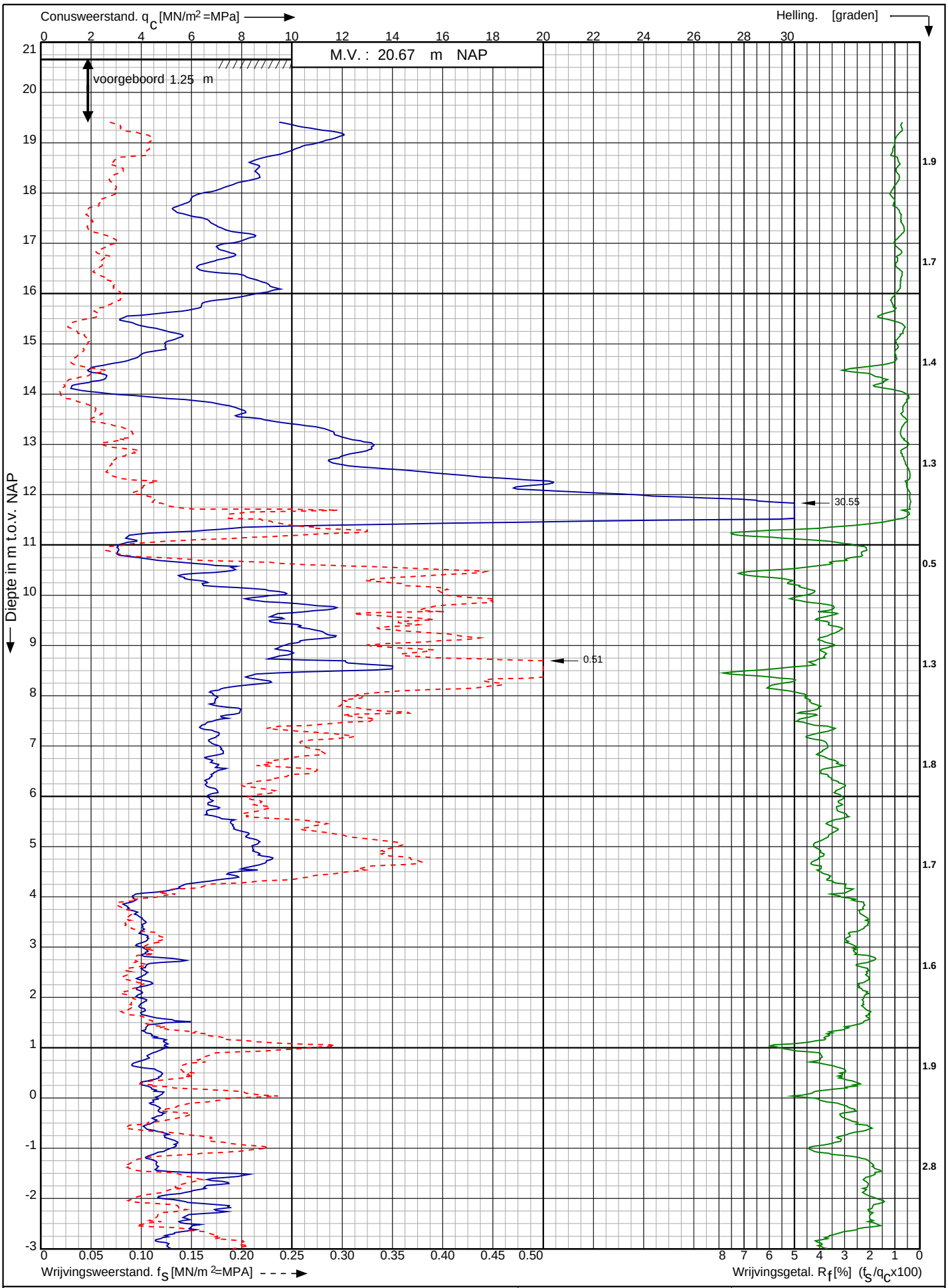


Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Conustype: cylindrisch elektrisch P15-CFIIP-15

Conusserienummer: 071108

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240754.44 Y = 459556.97	Sond. nr. : 13	

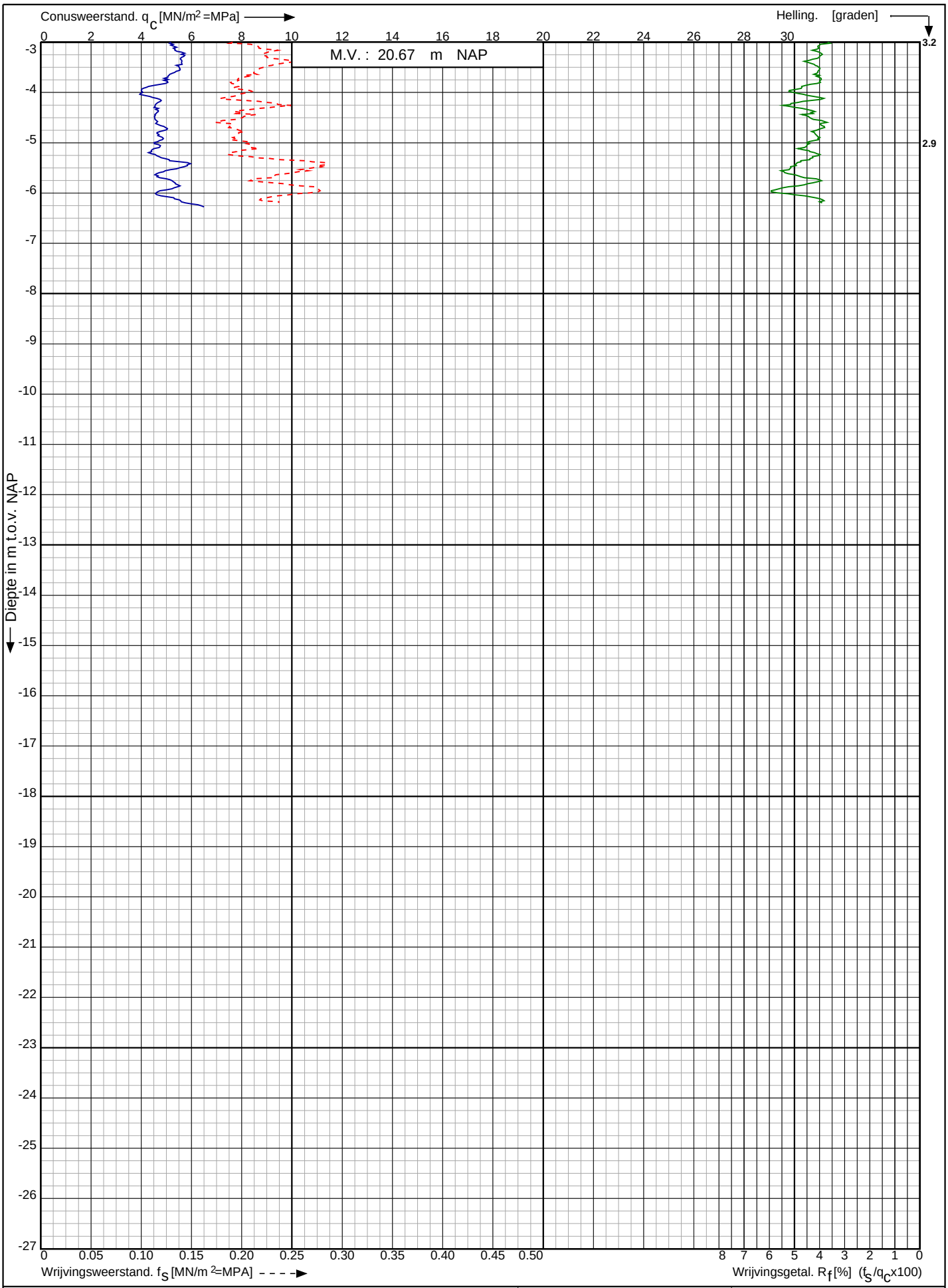


Conusserienummer: 071108

Conustype: cylindrisch elektrisch P15-CFII-15

Sondering volgens norm NEN-EN-ISO 22476-1 klasse 2

Aanpassing TenneT-locatie aan de Needseweg te Eibergen	Opdr. nr. : 2021-0162	Koops grondmechanica 0522 - 260 084
	Datum uitv. : 21-1-2021	
RD-coördinaten : X = 240748.51 Y = 459562.24	Sond. nr. : 14	



Aanpassing TenneT-locatie aan de Needseweg te Eibergen

RD-coördinaten : X = 240748.51 Y = 459562.24

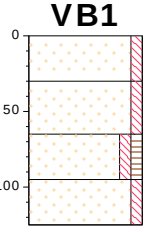
Opdr. nr. : 2021-0162

Datum uitv. : 21-1-2021

Sond. nr. : 14

Koops grondmechanica 0522 - 260 084

VB1



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240708.29**
y **459513.88**

, NAP

2068 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

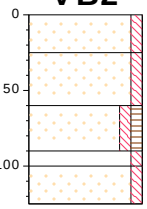
2038 zand, matig grof, zwak siltig, neutraal grijs, edelman

2003 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1973 zand, matig grof, zwak siltig, licht bruin, grijs, sporen roest, edelman

1943 VB1 bij DKP1

VB2



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240724.89**
y **459533.09**

, NAP

2063 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

2038 zand, uiterst grof, zwak siltig, neutraal bruin, edelman

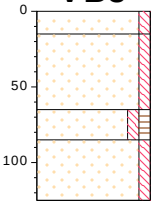
2003 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1973 zand, matig grof, zwak siltig, donker bruin, edelman

1963 zand, matig grof, zwak siltig, neutraal grijs, edelman

1938 VB2 bij DKM2

VB3



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240731.01**
y **459527.79**

, NAP

2060 zand, matig grof, zwak siltig, donker grijs, edelman

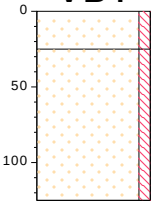
2045 zand, matig grof, zwak siltig, neutraal grijs, edelman

1995 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1975 zand, matig grof, zwak siltig, neutraal grijs, edelman

1935 VB3 bij DKM3

VB4



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240719.38**
y **459512.12**

, NAP

2063 zand, matig grof, zwak siltig, donker grijs, edelman

2038 zand, matig grof, zwak siltig, neutraal grijs, edelman

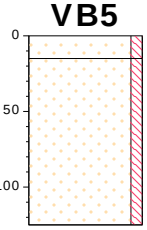
1938 VB4 bij DKM4

bodemprofielen **schaal 1:50**

onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

VB5



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240740.24**
y **459530.79**

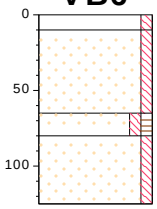
, NAP

2061 zand, matig grof, zwak siltig, donker grijs, edelman

2046 zand, matig grof, zwak siltig, neutraal grijs, edelman

1936 VB5 bij DKM5

VB6



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240733.68**
y **459536.79**

, NAP

2064 zand, matig grof, zwak siltig, donker grijs, edelman

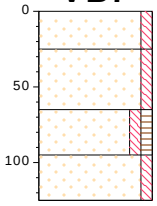
2054 zand, matig grof, zwak siltig, neutraal grijs, edelman

1999 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1984 zand, matig grof, zwak siltig, neutraal grijs, edelman

1939 VB6 bij DKP6

VB7



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240727.81**
y **459541.99**

, NAP

2070 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

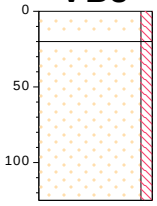
2045 zand, uiterst grof, zwak siltig, neutraal bruin, grijs, edelman

2005 zand, matig grof, zwak siltig, zwak humeus, donker bruin, grijs, edelman

1975 zand, matig grof, zwak siltig, neutraal grijs, edelman

1945 VB7 bij DKM7

VB8



type **inspectiegat**
datum **20-01-2021**
boormeester **Veldwerker**
x **240712.26**
y **459517.77**

, NAP

2069 zand, matig grof, zwak siltig, donker grijs, zwak grind, edelman

2049 zand, matig grof, zwak siltig, neutraal grijs, bruin, sporen roest, edelman

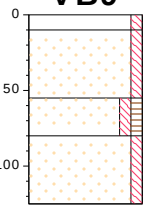
1944 VB8 bij DKM8

bodemprofielen **schaal 1:50**

onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

VB9



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240745.61**
y **459553.26**

, NAP

2063 zand, matig grof, zwak siltig, donker grijs, edelman

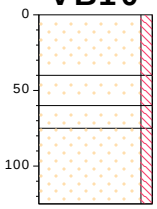
2053 zand, zeer grof, zwak siltig, neutraal bruin, grijs, zwak grind, edelman

2008 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1983 zand, matig grof, zwak siltig, neutraal grijs, edelman

1938 VB9 bij DKM9

VB10



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datum **21-01-2021**
boormeester **Veldwerker**
x **240751.78**
y **459548.08**

, NAP

2060 zand, zeer grof, zwak siltig, neutraal bruin, grijs, edelman

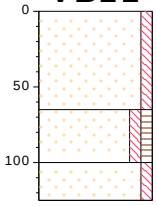
2020 zand, matig grof, zwak siltig, neutraal grijs, edelman

1999 zand, matig grof, zwak siltig, donker grijs, edelman

1985 zand, matig grof, zwak siltig, neutraal grijs, edelman

1935 VB10 bij DKM10

VB11



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boormeester **Veldwerker**
x **240716.20**
y **459508.57**

, NAP

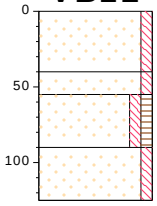
2064 zand, matig grof, zwak siltig, neutraal grijs, sporen roest, edelman

1999 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1964 zand, matig grof, zwak siltig, neutraal grijs, bruin, edelman

1939 VB11 bij DKM11

VB12



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240760.26**
y **459551.63**

, NAP

2069 zand, matig grof, zwak siltig, donker grijs, edelman

2029 zand, matig grof, zwak siltig, neutraal bruin, edelman

2014 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1979 zand, matig grof, zwak siltig, neutraal grijs, edelman

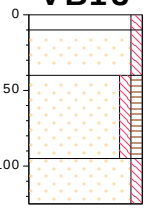
1944 VB12 bij DKM12

bodemprofielen **schaal 1:50**

onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

VB13



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240754.44**
y **459556.97**

, NAP

2064 zand, matig grof, zwak siltig, donker grijs, edelman

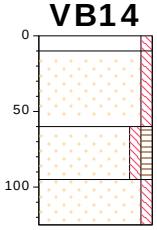
2054 zand, zeer grof, zwak siltig, neutraal bruin, grijs, edelman

2024 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1969 zand, matig grof, zwak siltig, neutraal grijs, edelman

1939 VB13 bij DKP13

VB14



type **inspectiegat**
datum **21-01-2021**
boormeester **Veldwerker**
x **240748.51**
y **459562.24**

, NAP

2067 zand, matig grof, zwak siltig, donker grijs, edelman

2057 zand, matig grof, zwak siltig, neutraal bruin, grijs, edelman

2007 zand, matig grof, zwak siltig, zwak humeus, donker grijs, bruin, edelman

1972 zand, matig grof, zwak siltig, neutraal grijs, edelman

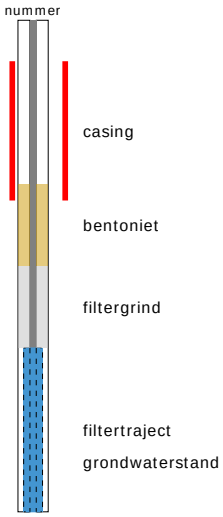
1942 VB14 bij DKM14

bodemprofielen **schaal 1:50**

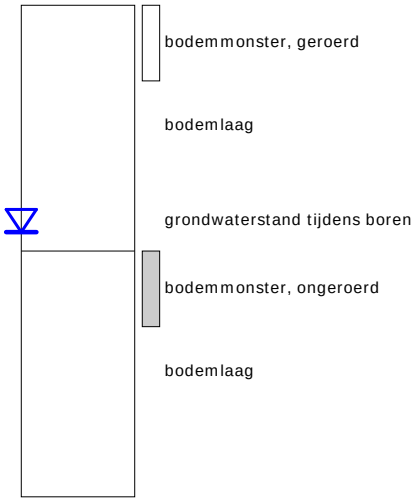
onderzoek **Aanpassing TenneT-locatie aan de Needseweg te Eibergen**
projectcode **2021-0162**
getekend conform **NEN 5104**

Koops grondmechanica
0522 - 260 084

PEILBUIS



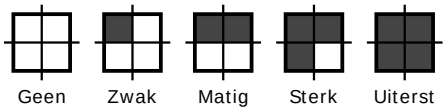
BORING



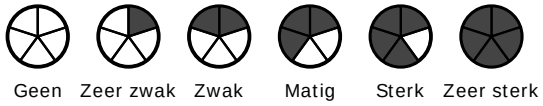
links= cm-maaiveld

rechts= cm+ NAP

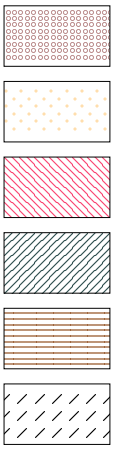
OLIE OP WATER REACTIE



GEUR INTENISTEIT



GRONDSOORTEN



GRIND, grindig (G,g)

ZAND, zandig (Z,z)

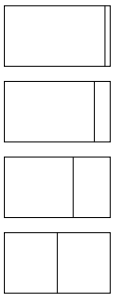
LEEM, siltig (L,s)

KLEI, kleiig (K,k)

VEEN, humeus (V,h)

slib

MATE VAN BIJMENGING



zwak - (0-5%)

matig - (5-15%)

sterk - (15-50%)

uiterst - (> 50%)

VERHARDINGEN

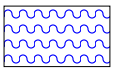
asfalt, beton, klinkers, tegels
stelconplaat, ondoordringbare laag

GRADATIE ZAND

uf = uiterst fijn (63-105 um)
zf = zeer fijn (105-150 um)
mf = matig fijn (150-210 um)
mg = matig grof (210-300 um)
zg = zeer grof (300-420 um)
ug = uiterst grof (420-2000 um)

OVERIG

bodemvreemde bestandsdelen aanwezig



water

GRADATIE GRIND

f = fijn (2-5.6 mm)
mg = matig grof (5.6-16 mm)
zg = zeer grof (16-63 mm)

BESCHRIJVING BODEMLAAG

pid = foto ionisatie detector
bv = bodemvocht
ow = olie op water

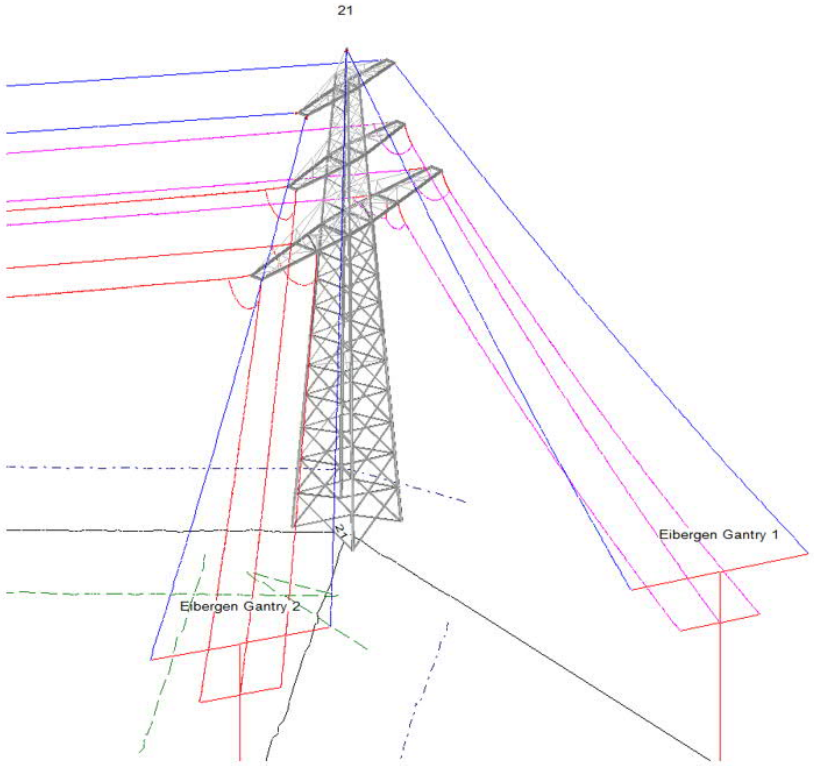
BIJLAGE I: BESCHOUWING BLIKSEMAFSCHERMING GELEIDERS TUSSEN MAST EN PORTAAL

Witteveen + Bos

Bliksembeveiliging fasedraden

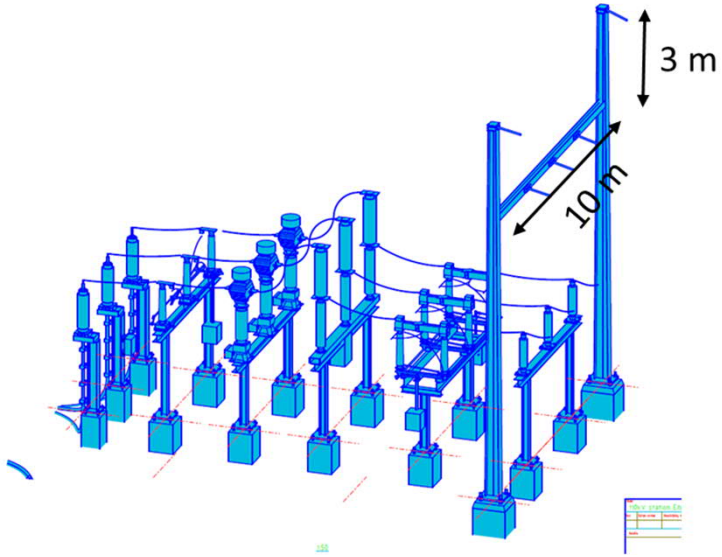
Gebied tussen opstijgpunten en mast 21

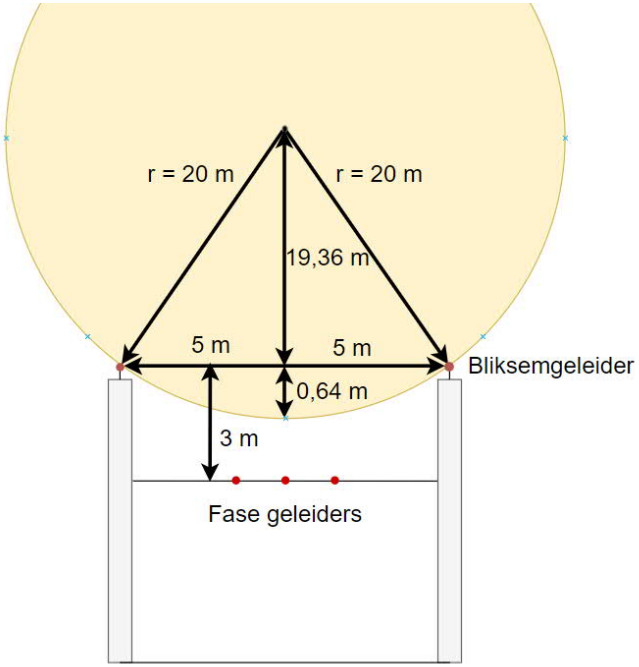
Aanzicht nieuwe situatie



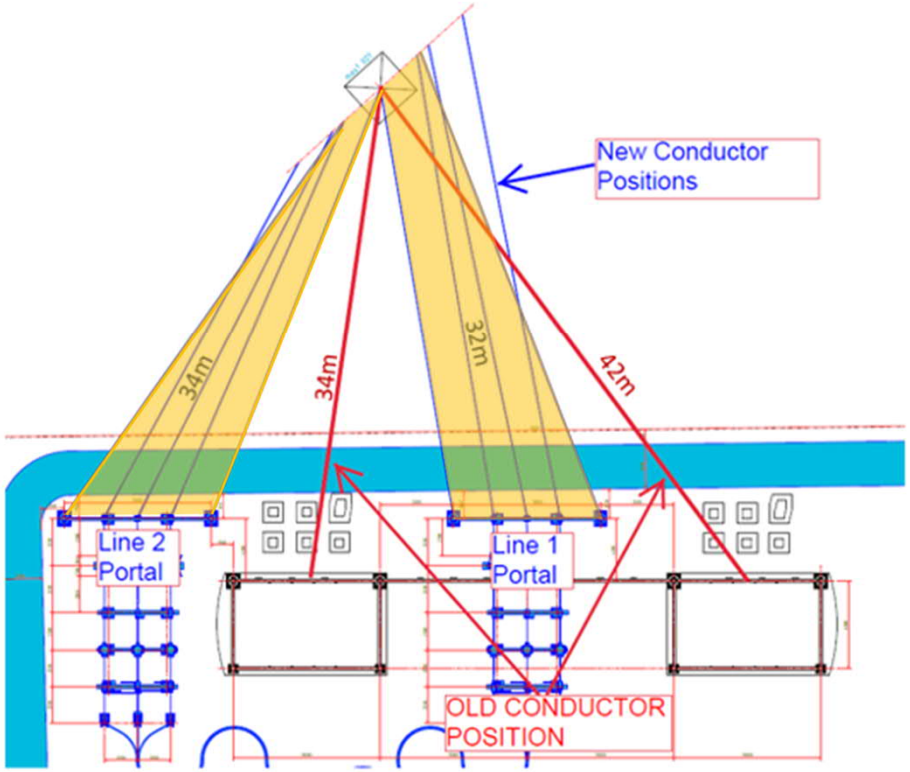
Lightning protection level 1 (LPL1)

- Bliksembolmethode met bolstraal 20 m.
- De fase geleiders die liggen tussen de twee bliksemgeleiders zijn voldoende beschermd tegen blikseminslagen.





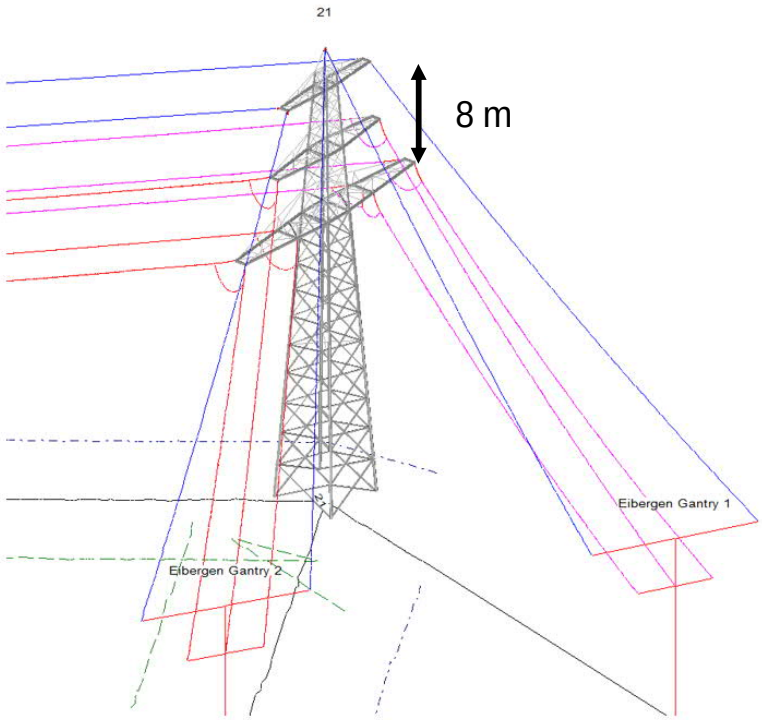
Afbeelding 5.1 Geleiders tussen mast 21 en EBG110



Beschermd gebied tussen de bliksem geleiders

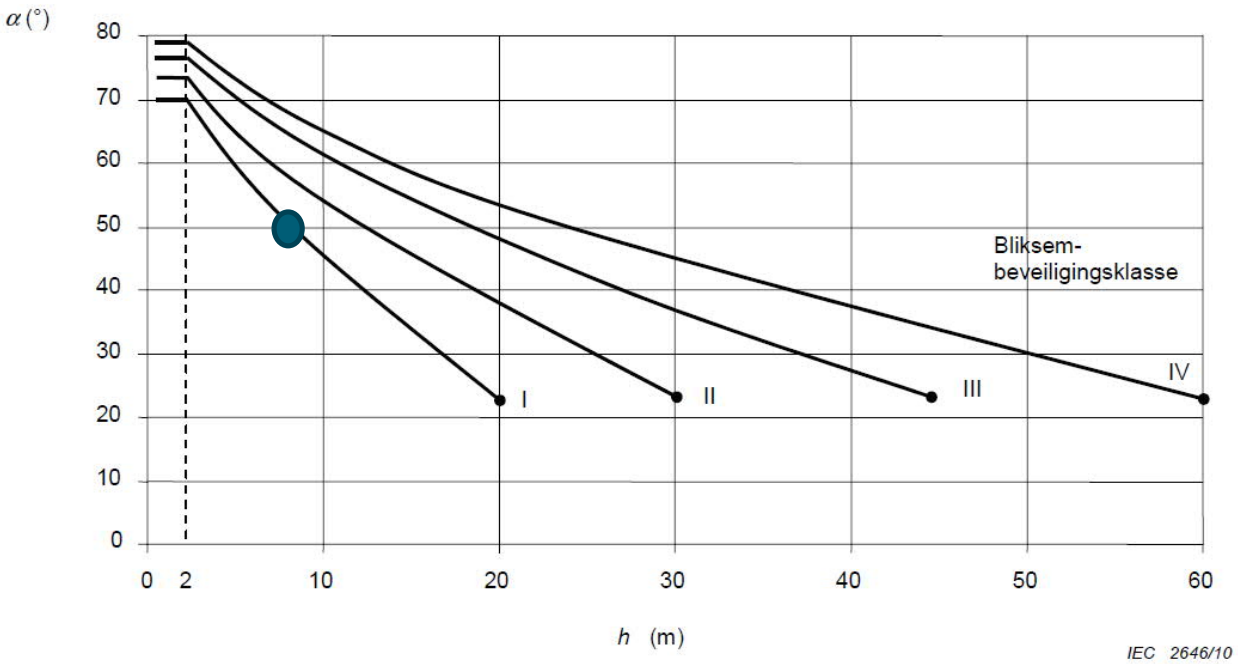
Rest de fasedraden die buiten dit gebied liggen.

Afbeelding 6.1 Aanzicht nieuwe situatie



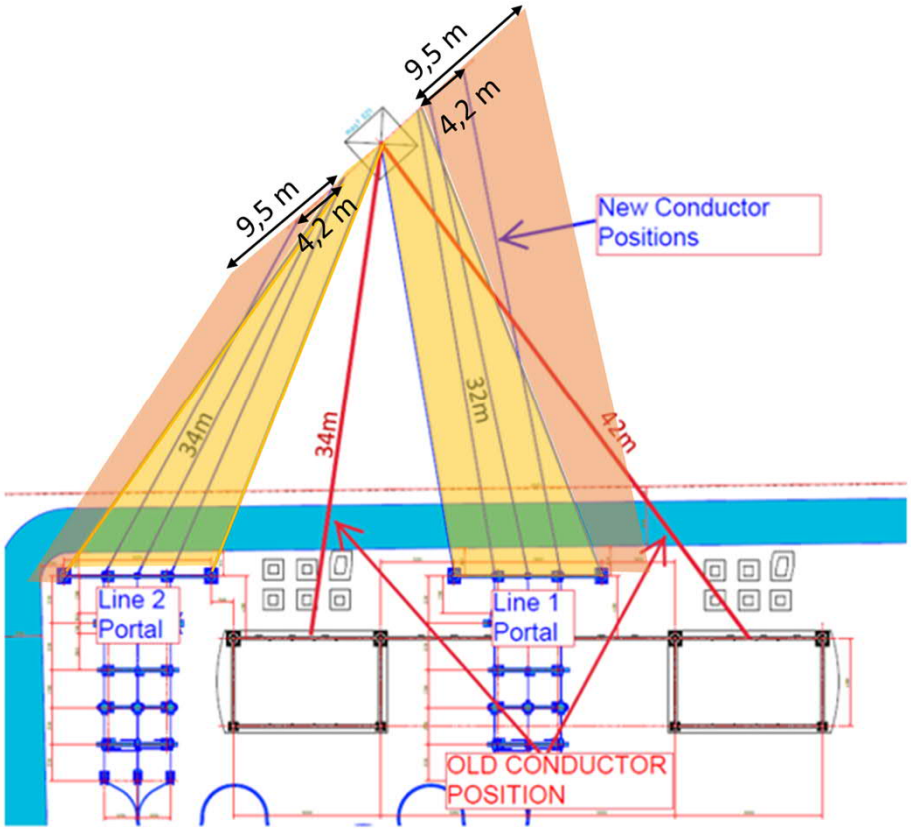
De verticale afstand tussen de bliksemgeleider en de uiterste fasedraad is 8 meter.

Beschermhoekmethode



- Op een hoogteverschil van 8 meter geldt een beschermhoek van 50 graden.
- Dit geeft een beschermafstand van :
  - Tan(50)*8 = 9,5 m

Afbeelding 5.1 Geleiders tussen mast 21 en EBG110



Beschermd gebied tussen de bliksem geleiders

Ook de uiterste fasedraden worden beschermd, berekend via beschermhoekmethode

Conclusie

De fasegeleiders tussen mast 21 en de opstijgpunten zijn beschermd tegen blikseminslagen volgens Lightning Protection Level 1 (LPL1) conform NEN-EN-IEC 62305-3

Witteveen + Bos

Rapport

Projectnummer: 377076
Referentienummer: NL21-648800269-2228
Datum: 26-07-2021

Archeologisch onderzoek Needseweg 18 te Eibergen, gemeente Berkelland

Bureauonderzoek

SWECO ARCHEOLOGISCHE RAPPORTEN 2436

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Sweco Nederland B.V.

Handelsregister 30129769
Statutair gevestigd te De Bilt

Jeroen van Rooij

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Verantwoording

Titel	Archeologisch onderzoek Needseweg 18 te Eibergen, gemeente Berkelland
Subtitel	Bureauonderzoek
	Sweco Archeologische Rapporten 2436
ISSN-nummer	2468-4813
Projectnummer	377076
Referentienummer	NL21-648800269-2228
Revisie	C2
Datum	26-07-2021
Auteur(s)	[redacted] (senior) KNA prospector actornummer 19995135
E-mailadres	[redacted]
Gecontroleerd door	[redacted] (senior) KNA prospector actornummer [redacted]5
Paraaf gecontroleerd	[redacted]
Goedgekeurd door	[redacted]
Paraaf goedgekeurd	[redacted]

Sweco voert archeologisch onderzoek uit onder procescertificaat SIKB BRL 4000 ’Archeologie’ (versie 4.1) en de protocollen 4001, 4002, 4003 en 4004. De archeologische werkzaamheden worden uitgevoerd in overeenstemming met de Kwaliteitsnorm van de Nederlandse Archeologie (KNA, versie 4.1).

Administratieve gegevens

Uitvoerder	**Sweco Nederland B.V.**
Provincie	Gelderland
Gemeente	Berkelland
Plaats	Eibergen
Toponiem	Needseweg 18
Kadastrale gegevens	Gemeente Berkelland, sectie AA, perceel 89
Centrum-coördinaat	x: 240732,06 / y: 459535,16
Digitale kaart onderzoeksgebied	Zie bijlage 1
Opdrachtgever	TenneT TSO B.V.
Onderzoekskader	omgevingsvergunning
Archis Zaakidentificatie	5030442100
Oppervlakte plangebied	Ca. 3.250 m^2
Archeoregio	Overijssels Gelders zandgebied
Bevoegde overheid	Omgevingsdienst Achterhoek namens gemeente Berkelland (contactpersoon archeologie: naam, mail, telefoon)
Projectmedewerker(s)	incl KNA-status en actornummer
Periode van uitvoering	April 2021
Beheer en plaats van documentatie	Sweco Nederland BV, vestiging De Bilt

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Bijlage 8. Historische kaarten

Samenvatting

In opdracht van TenneT TSO B.V. heeft Sweco Nederland B.V. een archeologisch bureauonderzoek uitgevoerd naar de locatie Needseweg 18 te Eibergen, gemeente Berkelland. De aanleiding voor dit onderzoek is de uitbreiding van het hoogspanningsstation.

Het plangebied ligt in de archeoregio Gelders Overijssels zandgebied. Geomorfologisch bevindt het plangebied zich op een gordeldekzandwelving. De natuurlijke bodemopbouw in het plangebied bestaat uit matig fijn, leemarm tot zwak lemig dekzand, waarin zich een veldpodzolbodem heeft kunnen ontwikkelen.

Op basis van het bureauonderzoek heeft het plangebied een middelhoge verwachting voor archeologische resten uit de periode van jager-verzamelaars (vanaf het Laat Paleolithicum tot en met het Neolithicum) en de periode van landbouwsamenlevingen (vanaf het Neolithicum tot en met de Nieuwe Tijd). Eventuele resten kunnen zich bevinden in de top van het dekzand. Op historisch kaartmateriaal uit eind 18^{e} eeuw en begin 19^{e} eeuw ligt het plangebied in een onontgonnen heideveld. Het plangebied wordt in de loop van de 19^{e} eeuw ontgonnen en blijft tot in de tweede helft van de 20^{e} eeuw onbebouwd. Mogelijk is de bodem als gevolg van de ontginning in de 19^{e} eeuw en de aanleg van het huidige hoogspanningsstation verstoord. De mate van deze verstoring is onvoldoende bekend.

Bij de voorgenomen bodemingrepen kunnen eventuele archeologische resten in de top van het dekzand worden verstoord. Sweco Nederland adviseert om in het plangebied een inventariserend veldonderzoek uit te laten voeren in de vorm van een verkennend booronderzoek. Dit onderzoek heeft tot doel om enerzijds te bepalen in hoeverre het plangebied is verstoord, en anderzijds om te bepalen of het plangebied op basis van de bodemopbouw in het verleden een gunstige vestigingslocatie kan zijn geweest. Aan de hand van de resultaten van het verkennend booronderzoek kan worden bepaald of, en in welke vorm, vervolgonderzoek nodig is.

Tabel 1.1 Overzicht van archeologische perioden[1]

Periode	Tijd		
Laat-Paleolithicum (Oude Steentijd)		to	9.000
Mesolithicum (Midden Steentijd)	9.000 v.Chr.	-	4.900
Neolithicum (Nieuwe Steentijd)	5.325 v.Chr.	-	1.900
Bronstijd	1.900 v.Chr.	-	800 v.Chr.
IJzertijd	800 v.Chr.	-	12 v.Chr.
Romeinse Tijd	12 v.Chr.	-	450 n.Chr.
Vroege Middeleeuwen	450	-	1.050
Late Middeleeuwen	1.050	-	1.500
Nieuwe Tijd	1.500	-	heden

Tabel 1.2 Indeling van het Kwartair

Chronostratigrafie				Jaren geleden		
Kwartair	Holoceen	Subatlanticum		3.000	-	heden
		Subboreaal		5.000	-	3.000
		Atlanticum		8.000	-	5.000
		Boreaal		9.000	-	8.000
		Preboreaal		10.000	-	9.000
	Pleistoceen	Laat		130.000	-	10.000
			Weichselien (ijstijd)	120.000	-	10.000
			Eemien	130.000	-	120.000
		Midden		800.000	-	130.000
			Saalien (ijstijd)	200.000	-	130.000
			Elsterien (ijstijd)	400.000	-	315.000
		Vroeg		2.400.000	-	800.000

[1] Bron: Archeologisch Basis Register 1992.

1 Inleiding

1.1 Aanleiding van het onderzoek

In opdracht van TenneT TSO B.V. heeft Sweco Nederland B.V. een archeologisch bureauonderzoek uitgevoerd naar de locatie Needseweg 18 te Eibergen, gemeente Berkelland. De aanleiding voor dit onderzoek is de uitbreiding van het hoogspanningsstation. Hierbij zullen twee nieuwe transformatorvelden met portalen en een Centraal Diensten Gebouw worden gerealiseerd. Ook zullen nieuwe kabeltracés worden gegraven.

1.2 Kader onderzoek

Het onderzoek vindt plaats in het kader van de aanvraag van een omgevingsvergunning. De gemeente Berkelland heeft in het Gemeentelijk Archeologiebeleid het archeologisch beleid vastgesteld. Dit archeologisch beleid moet zijn doorwerking krijgen in de gemeentelijke bestemmingsplannen.

Uit het Gemeentelijk Archeologiebeleid blijkt dat het plangebied op een dubbelbestemming waarde – archeologie 5 ligt. Voor gebied dat is aangeduid als waarde – archeologie 5 gelden de volgende vrijstellingsgrenzen:

Dubbelbestemming	Vrijstellingsgrenzen
Waarde – Archeologie 5	1.000 m^2 en dieper dan 0,30 m onder maaiveld

De bovenstaande vrijstellingsgrenzen worden door de voorgenomen ontwikkeling in het plangebied niet overschreden (zie paragraaf 2.1.3). Conform de beleidsregels is archeologisch onderzoek niet noodzakelijk. Het archeologiebeleid ligt ter plaatse van het plangebied echter nog niet vast in het bestemmingsplan. Als nu wordt getoetst aan het vigerende bestemmingsplan volgt daaruit echter ook dat er geen archeologisch onderzoek noodzakelijk is, omdat in het vigerend bestemmingsplan ter plaatse nog geen dubbelbestemming ter bescherming van archeologische waarden is opgenomen.

1.3 Uitvoering onderzoek

Dit rapport betreft een standaardrapport zoals genoemd in de Kwaliteitsnorm Nederlandse Archeologie. Het bureauonderzoek is uitgevoerd conform SIKB BRL 4000 protocol 4002 en bestaat uit elf processtappen:

1. Afbakenen plan- en onderzoeksgebied; vaststellen consequenties toekomstig gebruik (LS01)
2. Aanmelden onderzoek bij Archis
3. Vermelden (en toepassen) overheidsbeleid (LS01)
4. Beschrijven huidig gebruik (LS02)
5. Beschrijven historische situatie en mogelijke verstoringen (LS03)
6. Beschrijven mogelijke aanwezigheid bouwhistorische waarden ondergrond (LS02, LS03, LS04)
7. Beschrijven bekende archeologische en aardwetenschappelijke kenmerken (LS04)
8. Opstellen gespecificeerde verwachting en formuleren onderzoeksstrategie (LS05)
9. Opstellen standaardrapport bureauonderzoek (LS06)
10. Aanleveren standaardrapport - afmelden onderzoek in Archis
11. Aanleveren digitale gegevens bij e-depot (DS05)

Processtappen 1 tot en met 7 leveren gegevens op basis waarvan de gespecificeerde verwachting (stap 8) wordt opgesteld. Deze stappen worden behandeld in paragraaf 1.1 en hoofdstuk 2. Processtap 9 resulteert in het voorliggende rapport. Processtappen 10 en 11 hebben betrekking op het openbaar maken van het bureauonderzoek voor derden bij onder meer Archis en het e-Depot.

Bij de uitvoering van het onderzoek is niet afgeweken van de BRL.

1.4 Doelstelling en vraagstelling

De bodemingrepen die gepaard gaan met de geplande werkzaamheden zullen eventueel aanwezige archeologische resten in de bodem verstoren en/of vernietigen.[2] Doel van het onderzoek is een risico-analyse van de gevolgen van de voorgenomen maatregelen en bodemingrepen op het behoud in situ van (mogelijk) aanwezige archeologische waarden. Derhalve dienen voorafgaand aan die werkzaamheden de archeologische waarden binnen het plangebied in kaart te worden gebracht.

De vraagstelling voor het onderzoek is: welke archeologische waarden zijn in het plangebied (mogelijk) aanwezig of kunnen worden verwacht?

In 2012 is door Omgevingsdienst Achterhoek het afwegingskader ‘Archeologie met Beleid’ opgesteld.[3] Conform het afwegingskader worden voor het bureauonderzoek de volgende onderzoeksvragen gesteld:

1. Wat is a) de aard (ontstaanswijze), b) diepteligging en c) ouderdom van de relevante natuurlijke afzettingen in het omringende gebied (binnen een afstand tot ca. 200 m van de onderzoekslocatie) en in de ondiepe ondergrond? d) Hoe dik is de holocene deklaag?

2. Wat is a) de aard (ontstaanswijze en classificatie) b) diepteligging, c) genese en d) gaafheid van natuurlijke bodemhorizonten in het omringende gebied?

3. Wat is a) de aard (ontstaanswijze), b) diepteligging, c) genese en d) gaafheid van eventueel aanwezige antropogene bodemhorizonten (akkerlagen en overige ‘verstoringslagen’, bemestingslagen e.d.) in het omringende gebied?

4. Wat is a) de aard (ontstaanswijze), b) dikte, en c) omvang van eventueel in het omringende gebied voorkomende afdekkende lagen en de (geschatte) ouderdom daarvan (plaggendek, stuifzandlaag, colluvium, kleidek, afvallaag, ophogingslaag)?

5. Wat is het historisch landgebruik van de onderzoekslocatie en het omringende gebied geweest, uitgaande van a) de Hottingerkaart, b) het Kadastraal minuutplan, c) de Topografisch Militaire Kaart 1850 en d) het Bonneblad?

[2] Een verstoring van archeologische waarden betekent dat deze waarden (deels) in situ aanwezig blijven, maar dat de conditie en conservering ervan verslechterd en daarmee de informatiewaarde. Vernietigen betekent dat de archeologische waarden verdwijnen.

[3] arc

6. Welke gegevens met betrekking tot archeologische complexen (‘waarnemingen’ inclusief uitkomsten historisch kaartonderzoek uit 5) zijn reeds binnen het onderzoeksgebied en/of binnen de landschappelijke eenheden rondom de onderzoekslocatie bekend? Wat is per vondst- en/of spoorcomplex bekend over: a) bronvermelding (onderzoeksrapportages, ARCHIS-gegevens), b) de materiaalcategorieën, c) ouderdom, d) ruimtelijke (geografische) verspreiding, e) stratigrafische verspreiding (diepteligging en/of dikte vondstlaag), f) fragmentatie, g) waarnemingsmethode, h) interpretatie, dat wil zeggen zowel systemisch (indien redelijkerwijs uit de gegevens af te leiden) als volgens het principediagram (zo gespecificeerd mogelijk (top-down typering) op basis van de waarnemingen).

7. Gegeven 1 tot en met 4; welke (primaire) natuurlijke formatieprocessen (fasen van sedimentatie, erosie, laterale verplaatsing, bodemvorming, degradatie e.d.)zijn van toepassing in het onderzoeksgebied?

8. Gegeven 5 en 6; welke (primaire) culturele formatieprocessen (grondbewerking, bemesting, ophoging, betreding, percelering, [de-]constructie, materiaaltypen, materiaalgebruik en materiaaldepositie e.d.) zijn van toepassing in het plangebied [inclusief (sub)recente bodemverstoring als gevolg van (sub)recent landgebruik/inrichting]?

9. Gegeven 7 en 8; welke kunnen een rol hebben gespeeld bij de totstandkoming (geografisch en stratigrafisch) van eventuele aanwezige vondstspreidingen, de vondstdichtheid, vondst- en spoorniveaus (stratigrafisch), en de fysieke kwaliteit van eventueel aanwezige archeologische resten?

10. Wat is de archeologische verwachting op de verschillende archeologische verwachtingskaarten? In hoeverre dient deze aangepast te worden op basis van bovenstaande onderzoeksvragen?

11. Gegeven 1 tot en met 9; wat is de aard (mobilia [materiaalsoorten, fragmentatie, dichtheden], immobilia, ruimtelijke en stratigrafische spreiding, etc.) van (mogelijk) aanwezige vondst- en/of spoorcomplexen?

12. Hoe manifesteren deze zich tijdens prospectieonderzoek (prospectiekenmerken, geografisch en stratigrafisch)?

13. Welke vondst- en/of spoorcomplexen (conform het principediagram) kunnen binnen het onderzoeksgebied aangetoond worden?

2 Bureauonderzoek

2.1 Afbakening plangebied, huidig gebruik en toekomstig gebruik

2.1.1 Afbakening plan- en onderzoeksgebied

Het plangebied ligt aan de Needseweg 18 te Eibergen en heeft een omvang van ca. 3250 m^2. De exacte locatie van het plangebied wordt weergegeven in bijlage 1. Het onderzoeksgebied betreft een straal van 500 m hieromheen.

2.1.2 Huidig gebruik van het plangebied

Het plangebied is in gebruik als hoogspanningsstation (bijlage 2). Het station is in de jaren ’70 van de 20e eeuw aangelegd. In het midden van het plangebied liggen transformatorvelden. Rondom de transformatorvelden staat een bomenrij. Het plangebied wordt in het westen, noorden en oosten begrensd door een weiland. Ten zuiden van het plangebied liggen dienstgebouwen van het huidige station en loopt de N812 (Needseweg).

Bij het bodemloket zijn in het plangebied geen bodemonderzoeken geregistreerd. Direct ten zuidoosten van het plangebied zijn gedempte sloten onderzocht. Van dit onderzoek is geen rapport beschikbaar.

In februari 2021 is in het plangebied een verkennend milieuhygiënisch bodemonderzoek uitgevoerd. Tijdens het onderzoek is in de bovengrond tot ca. 20 cm onder maaiveld licht verhoogde gehalten kobalt, nikkel en PCB aangetoond. In de bovengrond zijn kooldeeltjes en slakken waargenomen. In de ondergrond tussen 20 en 70 cm onder maaiveld is geen verontreiniging waargenomen. Het grondwater bevat licht verhoogde gehalten aan koper en barium.[4]

In het plangebied geldt grondwatertrap V. Bij deze trap ligt de Gemiddeld Hoogste Grondwaterstand (GHG) minder dan 40 cm diep onder maaiveld en ligt de Gemiddeld Laagste Grondwaterstand dieper dan 120 cm onder maaiveld. Tijdens het verkennend milieuhygiënisch bodemonderzoek bevond de grondwaterstand zich op ca. 1,3 m onder maaiveld

2.1.3 Toekomstig gebruik van het plangebied

In het plangebied worden in twee nieuwe transformatorvelden en afspanportalen gerealiseerd (fig. 1). De transformatorvelden zijn beide 14,7 m lang 10 m breed en hebben beide een omvang van ca. 150 m^2. De twee bijbehorende portalen hebben beide een omvang van ongeveer 12 m^2.

Vanaf de transformatorvelden worden kabeltracés gegraven naar nieuw aan te leggen transformatoren ten westen van het plangebied. De transformatoren worden door Liander aangelegd en maken daarom geen deel uit van dit onderzoek. De totale lengte van de kabeltracés naar de transformatoren wordt op ca. 100 m geschat. De exacte vergravingsdiepte voor de aanleg van de transformatorvelden, de portalen en de kabeltracés is onbekend.

In het zuidwesten wordt een Centraal Diensten Gebouw (CDG) gerealiseerd voor het aansturen van de nieuwe installaties. Het CDG is ongeveer 20,7 m lang, 8,5 m breed en heeft een omvang van ca. 170 m^2. Voor de aanleg van funderingen voor het CDG wordt uitgegaan van een vergravingsdiepte van minstens 80 cm onder maaiveld.

[4] Hegeman 2021

Eventueel moet de hoogspanningsmast ten zuidoosten van het station worden verzwaard. Hiervoor worden mogelijk nieuwe funderingen aangelegd. De exacte vergravingsdiepte voor de aanleg van deze funderingen is onbekend.

Figuur 1 *Inrichtingsschets van de geplande uitbreiding met de ligging van de nieuwe kabeltracés (rood), het CDG (paars) en transformatorvelden (blauw). De nieuwe transformatoren (groen) vallen niet onder dit onderzoek*

2.2 Aardwetenschappelijke situatie

Om de landschapsgenese in beeld te brengen is gebruik gemaakt van bodemkaarten en geologische en geomorfologische kaarten. Met behulp hiervan worden de bodem en het landschap beschreven. Onderdeel van deze studie vormt een analyse van het Actueel Hoogtebestand Nederland (AHN).

Tabel 2.1 Aardwetenschappelijke informatie

Bron	Informatie
Geologie	Zeer fijn en matig fijn, vaak lemig dekzand dikker dan 2 m (eenheid Tw3)
Geomorfologie	Gordeldekzandwelving (eenheid L52)
Bodemkunde	Veldpodzolgronden bestaande uit leemarm en zwak lemig fijn zand, met grofzand en/of grind vanaf een diepte beginnend tussen 40 en 120 cm onder maaiveld (eenheid Hn21*g*).
AHN	Het plangebied ligt op 20,7 m +NAP. Het aangrenzende weiland ligt ten noordwesten tussen 19,5 en 20 m +NAP en ten oosten rond 20,2 m +NAP.

Het plangebied ligt in het Gelders zandgebied. Tijdens de laatste ijstijd (Weichselien) heerst in Nederland een koude toendra-achtig klimaat. Er groeit weinig vegetatie, waardoor als gevolg van zuidwestelijke windstormen grote hoeveelheden zand kan worden opgestoven. Het opgestoven zand komt als pakket neer op het oudere landschap en wordt dekzand genoemd (laagpakket van Wierden uit de Formatie van Boxtel). Met name in de laatste koude periode van het Weichselien (Jonge Dryas stadiaal, ca. 13.000 tot 11.600 jaar geleden) vinden zware zandopstuivingen plaats en kan zich een reliëfrijk dekzandlandschap vormen.

Na de laatste ijstijd warmt tijdens het Holoceen het klimaat op. Tijdens de eerste grofweg 5000 jaar van het Holoceen raakt het dekzandlandschap geleidelijk begroeit met dichte bossen. Hierdoor wordt de erosie en sedimentatie in de regio beperkt. Er vinden geen belangrijke veranderingen plaats in het Pleistocene reliëf. Vanaf de late middeleeuwen wordt op landbouwgrond plaggenbemesting toegepast. Hierdoor kunnen met name op hoge dekzandruggen en -koppen dikke plaggendekken ontstaan.[5]

Op de 1 : 50.000 geologische kaart (bijlage 3) bestaat de bodemopbouw in het plangebied uit een meer dan 2m dik pakket dekzand (eenheid Tw3). Het dekzand is matig tot zeer fijn en is vaak lemig. Boorprofielen van het milieuhygiënisch bodemonderzoek bevestigen dat de bodemopbouw in het plangebied bestaat uit overwegend matig fijn dekzand.

Op de geomorfologische kaart (bijlage 4) ligt het plangebied op een gordeldekzandwelving (eenheid L52). Dekzandwelvingen bevinden zich in vaak een overgangsgebied van hoge, droge delen naar lage, natte delen van het landschap. Direct ten noorden van het plangebied ligt een vlakte van grondmorene (eenheid M11). Grondmorene is sediment dat tijdens de voorlaatste ijstijd (Saalien) wordt gevormd onder het landijs. Het ontstaat doordat het lokale landschap door ijslobben wordt geërodeerd en meegevoerd en bestaat meestal uit leem vermengd met grof zand, grind en stenen. Vlaktes van grondmorene zijn vaak lage delen van grondmorenelandschap en worden gekenmerkt door natte bodems.[6]

Op de bodemkaart (bijlage 5) zijn in het plangebied veldpodzolgronden gekarteerd (eenheid Hn21). Op de analoge bodemkaart staat de bodem in het plangebied aangeduid als Hn21*g*. De toevoeging -*g* houdt in dat in de veldpodzolbodem op een diepte beginnend tussen 40 en 120 cm onder maaiveld grof zand en/of grind aanwezig is. Ten oosten en noorden van de veldpodzolgronden bevinden zich gooreerdgronden (eenheid pZn23). Ten westen liggen beekeerdgronden (eenheid pZg23). Beek- en gooreerdgronden komen vaak in de nattere delen van het landschap voor. In de directe omgeving van het plangebied zijn geen hoge zwarte of bruine enkeerdgronden gekarteerd. Er wordt daarom in het plangebied geen dik plaggendek verwacht.

Op het Actueel Hoogtebestand van Nederland (AHN; bijlage 6) heeft het plangebied een hoogteligging van 20,7 m +NAP. Het weiland ten noorden van het plangebied ligt tussen 19,5 en 20 m +NAP. Ten oosten van het plangebied ligt het weiland rond 20,2 m +NAP. Mogelijk is het plangebied 50 tot 120 cm opgehoogd bij de aanleg van de huidige transformatoren. Het is ook mogelijk dat de omliggende weilanden zijn afgegraven.

Samenvattend kan op basis van de aardwetenschappelijke informatie één niveau verwacht worden. Dit is het pleistocene dekzandlandschap uit de laatste ijstijd. Het plangebied ligt op een gordeldekzandwelving, op een locatie waar zich veldpodzolbodems hebben gevormd. Dit zijn aanwijzingen dat het plangebied een relatief hoge, droge ligging heeft gekend. In de top van het dekzand kunnen resten aanwezig zijn uit de periode van jager-verzamelaars (Laat Paleolithicum tot en met Neolithicum), zoals tijdelijke kampementen. Ook kunnen op dit niveau resten uit de periode van landbouwsamenlevingen (Neolithicum en later) aanwezig zijn, zoals huisplaatsen.

2.3 Archeologische waarden

Om de reeds bekende archeologische waarden in beeld te krijgen, zijn diverse bronnen geraadpleegd, zoals de Archeologische Monumentenkaart, Archis 3 en de archeologische verwachtingskaart van het betreffende gebied. Voor het onderzoek is contact gezocht met

[5] De Roode et al. 2009

[6] De Roode et al. 2009

de Historische Kring Eibergen.[7] Deze correspondentie heeft geen aanvullende informatie opgeleverd.

2.3.1 Overheidsbeleid

De gemeente Berkelland heeft in 2014 een archeologiebeleid opgesteld.[8] Volgens de verwachtingskaart geldt voor het plangebied een middelmatig archeologische verwachting (AWV-categorie 8).

2.3.2 Archeologische Monumenten

De Archeologische Monumentenkaart (AMK) bevat een overzicht van belangrijke archeologische terreinen in Nederland. In het plangebied en het onderzoeksgebied zijn geen AMK-terreinen geregistreerd.

2.3.3 Archeologische vondstlocaties

In Archis 3 staan binnen het plangebied geen archeologische vondstlocaties geregistreerd (zie tabel 2.3 en bijlage 7). Binnen het onderzoeksgebied liggen twee archeologische vondstlocaties.

Tabel 2-3 Vondstlocaties in het onderzoeksgebied

Zaakidentificatie	Complex	Aard/verwerving	Datering
2981613100	Moated site	Indirect	Late Middeleeuwen – Nieuwe Tijd
2981354100	Niet te bepalen	Archeologisch	Neolithicum – Nieuwe Tijd

Ongeveer 500 m ten zuidwesten van het plangebied is ter hoogte van Leugemorseweg 6 een gracht van een omgrachte boerderij gevonden (zaak 2981613100). De omgrachte boerderij heeft gelegen in een weiland naast de huidige boerderij.

Ongeveer 450 m ten zuiden van het plangebied zijn fragmenten handgevormd aardewerk aangetroffen bij het graven van persbultsleuven (zaak 2981354100). De aardewerkfragmenten zijn grofweg gedateerd tussen het Neolithicum en de Nieuwe Tijd.

2.3.4 Archeologische onderzoeksmeldingen

In Archis 3 staan binnen het plangebied geen archeologische onderzoeksmeldingen geregistreerd (zie tabel 2.4 en bijlage 7). Binnen het onderzoeksgebied liggen zeven archeologische onderzoeksmeldingen.

Tabel 2-4 onderzoeksmeldingen in het onderzoeksgebied

Zaakidentificatie	Type onderzoek	Locatie/toponiem	Publicatie/rapport
2155194100	bureauonderzoek	Landinrichtingsproject Hupsel-Zwolle, diverse terreinen	BAAC-Rapport V-07.0109
2265857100	Boring	N18 Varsseveld - Enschede	Oranjewoud rapport 2009/143
4025119100	Archeologische begeleiding	N18 Groenlo – Enschede	Geen rapport beschikbaar
4581266100	Boring	Needseweg 25 - 31	Vestigia Rapport V1600
4581274100	Boring	Needseweg 22	Vestigia Rapport V1601
4622519100	Bureauonderzoek	Rietmolenseweg	RAAP Rapport 3445

Ten noorden en westen van het plangebied zijn meerdere onderzoeken langs de N823 (Needseweg) en de N18 uitgevoerd. Zaak 2155194100 betreft een bureauonderzoek bij de

[7] Mail 21 april 2021

[8] Willemse en Keunen 2014

Wolinkweg (”planlocatie 7”, ongeveer 300 m ten noorden van het plangebied). De locatie ligt geomorfologisch gezien in een beekoverstromingsvlakte. Direct ten noorden is een dekzandrug aanwezig, waarop een esdek is ontwikkeld. In het plangebied bevinden zich waarschijnlijk gooreerdgronden. Op basis van de geomorfologische kaart en de bodemkaart heeft de locatie een relatief lage, natte ligging. Op de Hottingerkaart (1773-1794) en het kadastraal minuutplan (1828) is de locatie nog niet ontgonnen. Vanwege de lage, natte ligging en het ontbreken van bekende archeologische wwaarnemingen geldt een lage archeologische verwachting. Er is geadviseerd deze locatie vrij te geven.

Langs de N18 zijn een booronderzoek en een archeologische begeleiding uitgevoerd (ongeveer 230 m ten noordoosten van het plangebied). Tijdens het booronderzoek (zaak 2265857100) zijn in de omgeving van het plangebied in de meeste boorprofielen geen restanten van bodemvorming aangetoond en zijn geen vondsten gedaan. Alleen in boorprofielen 207 en 1816 ongeveer 250 m ten (noord)westen van het plangebied is sprake van een deels intacte bodemopbouw, bestaande uit een B-horizont op een C-horizont. In boorprofiel 207 is boven de B-horizont een plaggendek aanwezig tussen 30 en 90 cm onder maaiveld. Van de archeologische begeleiding (Zaak 4025119100) is geen rapport beschikbaar. Op basis van de eerste bevindingen zijn tijdens de begeleiding geen archeologische waarnemingen gedaan.

Bij Needseweg 22 (zaak 4581274100, ongeveer 70 m ten westen van het plangebied) is een booronderzoek uitgevoerd. De locatie ligt op de geomorfologische kaart op een gordeldekzandwelving. Op basis van de bodemkaart heeft zich op deze locatie in de top van het dekzand een veldpodzolbodem kunnen ontwikkelen. Op basis van deze gegevens kunnen in de top van het dekzand resten voorkomen uit de periode van jager-verzamelaars (Laat Paleolithicum tot en met Midden Neolithicum) en resten van landbouwsamenlevingen vanaf het Laat Neolithicum. Op historisch kaartmateriaal is het plangebied begin 19^{e} eeuw onbebouwd. In de loop van de 19^{e} eeuw wordt de huidige Needseweg aangelegd en komt in of direct buiten het plangebied bebouwing te staan. Uit het booronderzoek blijkt dat zich in het plangebied beekeerdgronden bevinden. De bodem is in een deel van het plangebied verstoord tot dieptes tussen 60 en 100 cm onder maaiveld en er zijn geen archeologische indicatoren aangetroffen. Op basis van de verstoring, het ontbreken van archeologische indicatoren en de natte omstandigheden die in het verleden in het plangebied geheerst hebben is de middelmatige archeologische verwachting bijgesteld naar een lage verwachting. Er is geen vervolgonderzoek geadviseerd.

Bij een booronderzoek aan Needseweg 25-31 (zaak 4581266100, ongeveer 320 m ten westen van het plangebied) is net als bij het onderzoek aan Needseweg 22 vastgesteld dat de locatie een lage, natte landschappelijke ligging heeft gekend. Ook op deze locatie zijn geen archeologische indicatoren aangetroffen. De lage verwachting voor het plangebied is daarmee bevestigd en vervolgonderzoek wordt niet noodzakelijk geacht.

Bij de Rietmolenseweg is een bureauonderzoek uitgevoerd (Zaak 4622519100, ongeveer 250 m ten zuiden van het plangebied). De zuidelijke helft van het plangebied ligt in een vlakte van grondmorene, waarin zich beekeerdgronden hebben gevormd. De noordelijke helft ligt in een zone met gordeldekzandwelvingen, waarin zich veldpodzolgronden hebben gevormd. Het plangebied ligt grotendeels binnen de attentiezone rondom een boerderij uit de Nieuwe Tijd. Eventueel kunnen resten van voorgangers van deze boerderij aanwezig zijn. Omdat de resten naar verwachting ondiep onder het maaiveld liggen, wordt verwacht dat de conservering slecht zal zijn. Er is aanbevolen om de voorschriften van het bestemmingsplan te handhaven en de delen van het plangebied op de historische erflocatie en binnen de attentiezone nader te onderzoeken. Delen van het plangebied waarvoor op basis van het bestemmingsplan en het gemeentelijke archeologische beleidskaart een lage verwachting geldt, hoeven niet onderzocht te worden.

2.3.5 Samenvatting archeologische waarden

In de directe omgeving van het plangebied zijn weinig vondsten gedaan. Alleen ten zuiden van het plangebied zijn resten van een omgrachte boerderij en fragmenten handgevormd aardewerk aangetroffen. Dit komt overeen met historisch kaartmateriaal, waarop met name ten westen van het plangebied landbouwgronden en boerderijerven liggen (zie hoofdstuk 2.4.2). Bij eerdere bureauonderzoeken worden op gordeldekzandwelvingen waar veldpodzolbodems gevormd zijn, resten verwacht uit de periode van jager-verzamelaars (Laat Paleolithicum tot en met Neolithicum) en de periode van landbouwsamenlevingen (Neolithicum tot en met Nieuwe Tijd).

2.4 Historische situatie

Voor het beschrijven van de historische situatie is gebruik gemaakt van historische kaarten waarop het plangebied duidelijk te vinden is. Dit betreffen de Hottinger atlas uit omstreeks 1780, het kadastraal minuutplan van begin 19e eeuw, het Topografisch Militaire Kaart uit omstreeks 1850 en latere Bonnebladen en topografische kaarten (bijlage 8). Het gebruik van deze historische kaarten wordt tevens verplicht gesteld in het afwegingskader van de Omgevingsdienst Achterhoek.

De naam Eibergen wordt verklaard als een samenstelling van woorden ‘agjô’ (spits) en ‘berg’ (terreinverheffing, heuvel). De oudste bekende vermelding van Eibergen stamt uit 1188 onder de naam Ecberghe.[9] Eibergen is ontstaan in de middeleeuwen als straatdorp. De nederzetting ontwikkelde zich in beperkte mate tot stad met poorten en een gracht. Deze ontwikkeling is nooit volledig doorgezet.[10]

Op historisch kaartmateriaal ligt het plangebied in ieder geval eind 18e eeuw in een onontgonnen heideveld (zie hoofdstuk 2.4.2). Door het midden van het plangebied loopt begin 19e eeuw de weg tussen Neede en Eibergen. Ten westen van het heidegebied liggen landbouwpercelen.

2.4.1 Cultuurhistorische Waarden

De Cultuurhistorische Waardenkaart van de gemeente Berkelland uit 2016 geeft inzicht in de archeologische, historisch-stedenbouwkundige en de historisch-geografische waarden van de regio. Volgens de Cultuurhistorische Waardenkaart ligt het plangebied in een zone van jonge heideontginningen met mozaïekkarakter (eenheid Ha2). Dit zijn relatief kleine onontgonnen hoeken te midden van oude ontginningen. Deze delen van de heidevelden zijn na 1850 ontgonnen.[11] Door het midden van het plangebied loopt een verdwenen weg van vóór 1832. De ligging van deze historische weg is gebaseerd op het kadastraal minuutplan van begin 19e eeuw (zie hoofdstuk 2.4.2).

Het T.C.S. Regelstation Berkelstreek op Needseweg 12 (ongeveer 75 m ten zuiden van het plangebied) is een rijksmonument (nr. 509416). Het station is in 1927 gebouwd naar ontwerp van architect B.J. Beeftink uit Lochem. Het station heeft hoge cultuurhistorische waarde, omdat het een voorbeeld is van de vroege ontwikkeling van de Nederlandse electriciteitsvoorziening.

2.4.2 Oude kaarten

Op het kadastraal minuutplan van begin 19e eeuw loopt door het midden van het plangebied een west-oost geriënteerde weg. Dit is de weg van Neede naar Eibergen. Aan weerszijden van deze weg liggen heidevelden (percelen 567 en 572). In het westen wordt het

[9] etymologiebank.nl

[10] Keunen et al. 2016

[11] Keunen et al. 2016

heidegebied begrensd door percelen bouwland (landbouwgrond). Verspreid tussen de percelen bouwland liggen huizen met erf. De zone met landbouwgrond wordt de Leugemanshoek genoemd. De Hottinger atlas van omstreeks 1780 geeft een vergelijkbare situatie weer.

Op de Topografisch Militaire Kaart uit omstreeks 1850 ligt de Needseweg op de huidige locatie ten zuiden van het plangebied. Op deze kaart is de verkaveling van het heidegebied begonnen. In en rondom het plangebied staat geen bebouwing.

Op de Bonneblad van 1902 ligt het plangebied over meerdere percelen. De noordoostelijke helft van het plangebied staat nog aangeduid als heide. In de zuidwestelijke hoek van het plangebied ligt een klein bosperceel. Het plangebied is nog steeds onbebouwd. Op de Bonneblad van 1927 ligt het plangebied volledig in een onbebouwd weiland. Op de topografische kaart van 1977 is het huidige hoogspanningsstation aanwezig.

2.4.3 Militair-historische gegevens

Op de Indicatieve Kaart Militair Erfgoed (IKME) en de Kaart van Verdedigingswerken van het RCE zijn in de omgeving van het plangebied geen militaire waarden aangeduid.

2.5 Ondergrondse bouwhistorische waarden en mogelijke verstoringen

In het plangebied is geen bebouwing bekend op basis van historische kaarten en worden geen ondergrondse bouwhistorische waarden verwacht.

Op de Verstoringsbronnenkaart van de RCE ligt het plangebied in het ruilverkavelingsgebied van Hupsel-Zwolle uit de periode van 1997 tot 2009. Omdat het plangebied in deze periode al in gebruik is als transformatorveld, is het onwaarschijnlijk dat het plangebied is verstoord door werkzaamheden gerelateerd aan deze ruilverkaveling. Direct ten (zuid)oosten van het plangebied is een zone als vergraven grond aangeduid.[12]

Bij de ontginning van de heidevelden in de 19e eeuw en de aanleg van de huidige transformatorvelden in de jaren 70 van de 20e eeuw kan de bodem zijn verstoord. Op het AHN ligt het plangebied ongeveer 50 tot 120 cm hoger dan de omliggende weilanden. Mogelijk is het plangebied opgehoogd bij de aanleg van het huidige station. Het is ook mogelijk dat de omliggende weilanden zijn afgegraven.

[12] Geraadpleegd via https://rce.webgispublisher.nl/Viewer.aspx?map=Verstoringsbronnenkaart

3 Gespecificeerde archeologische verwachting

Het plangebied ligt in het Gelders zandgebied. Volgens de geologische kaart bestaat de natuurlijke bodemopbouw in het plangebied uit een meer dan 2 m dik pakket dekzand. Het plangebied ligt op de geomorfologische kaart op een gordeldekzandwelving. Volgens de bodemkaart heeft in de top van het dekzand zich een veldpodzolbodem kunnen ontwikkelen. Dit zijn aanwijzingen dat het plangebied in het verleden een relatief hoge, droge ligging heeft gehad. Op de archeologische verwachtingskaart van de gemeente Berkelland heeft het plangebied een middelmatig archeologische verwachting.

Op basis van het bureauonderzoek kunnen in de top van het dekzand archeologische resten aanwezig zijn uit het Laat Paleolithicum en later. Hierin kan onderscheid worden gemaakt tussen resten gerelateerd aan bewoning uit de periode van jager-verzamelaars (Laat Paleolithicum tot en met Neolithicum) en resten gerelateerd aan bewoning uit de periode van landbouwsamenlevingen (Neolithicum tot en met Nieuwe Tijd). De top van het dekzand ligt vermoedelijk aan het maaiveld of ondiep daaronder. Op basis van historisch kaartmateriaal ligt het plangebied eind 18^{e} eeuw en begin 19^{e} eeuw in een onbebouwd heideveld. Op het kadastraal minuutplan uit begin 19^{e} eeuw loopt door het midden van het plangebied een west-oost georiënteerde weg. Het plangebied wordt in de loop van de 19^{e} eeuw ontgonnen en blijft tot in de tweede helft van de 20^{e} eeuw onbebouwd. Pas op topografische kaarten vanaf 1977 staat in het plangebied het huidige hoogspanningsstation. De top van het dekzand is mogelijk als gevolg van de ontginning in de 19^{e} eeuw en de aanleg van het hoogspanningsstation in de 20^{e} eeuw verstoord.

Archeologische resten gerelateerd aan bewoning uit de periode van jager-verzamelaars bestaan uit hoofdzakelijk tijdelijke kampementen. Deze tijdelijke kampementen kunnen worden beschouwd als vlakelementen van variabele omvang. Resten uit deze periode kenmerken zich door vondststrooiing van hoofdzakelijk vuursteen en houtskool.

Resten gerelateerd aan bewoning uit de periode van landbouwsamenlevingen bestaan hoofdzakelijk uit vlakelementen van variabele omvang, zoals huisplaatsen. Verder kunnen ook lijnelementen van onbepaalde lengte zoals percelering, sloten en wegen aanwezig zijn. In zandgebieden heeft zich door de droge, zure omstandigheden meestal geen archeologische laag ontwikkeld. Resten uit de periode van landbouwsamenlevingen kenmerken zich daarom door een vondststrooiing van hoofdzakelijk aardewerk. Handgevormd aardewerk uit periode van vroege landbouwsamenlevingen (Laat Neolithicum tot en met Midden Bronstijd) is vaak weinig resistent. Hierdoor kan het handgevormd aardewerk met name aan of ondiep onder het maaiveld sterk kan zijn gefragmenteerd of volledig kan zijn vergaan. Ander anorganisch vondstmateriaal, zoals natuursteen, kan beter zijn geconserveerd

Het plangebied ligt in grondwatertrap V. Hierbij geldt dat eventuele organische archeologische resten zoals hout die dieper liggen dan 40 cm onder maaiveld (de minimale Gemiddeld Hoogste Grondwaterstand) goed geconserveerd kunnen zijn.

4 Conclusie en advies

4.1 Beantwoording onderzoeksvragen

Met de bevindingen en resultaten uit het bureauonderzoek kunnen de onderzoeksvragen worden beantwoord.

1. *Wat is a) de aard (ontstaanswijze), b) diepteligging en c) ouderdom van de relevante natuurlijke afzettingen in het omringende gebied (binnen een afstand tot ca. 200 m van de onderzoekslocatie) en in de ondiepe ondergrond? d) Hoe dik is de holocene deklaag?*

   De natuurlijke bodemopbouw in de directe omgeving van het plangebied bestaat uit matig fijn, leemarm of zwak lemig dekzand. Het dekzandlandschap is in de laatste ijstijd ontstaan als gevolg van zandverstuivingen. Het plangebied ligt geomorfologisch gezien op een gordeldekzandwelving. Het dekzand ligt waarschijnlijk aan het maaiveld of ondiep daaronder. Naar verwachting is geen Holocene deklaag aanwezig.

2. *Wat is a) de aard (ontstaanswijze en classificatie) b) diepteligging, c) genese en d) gaafheid van natuurlijke bodemhorizonten in het omringende gebied?*

   In en rond het plangebied hebben zich in de top van het dekzand veldpodzolbodems kunnen ontwikkelen. Veldpodzolgronden zijn kenmerkend voor relatief hooggelegen, droge delen van landschap. Ten westen van het plangebied bevinden zich beekeerdgronden. Ten noorden en oosten van het plangebied zijn gooreerdgronden gekarteerd. Deze bodems zijn kenmerkend voor nattere delen van het landschap.

3. *Wat is a) de aard (ontstaanswijze), b) diepteligging, c) genese en d) gaafheid van eventueel aanwezige antropogene bodemhorizonten (akkerlagen en overige 'verstoringslagen', bemestingslagen e.d.) in het omringende gebied?*

   In het plangebied worden geen akker- en bemestingslagen verwacht. Wel kunnen verstoringslagen aanwezig zijn gerelateerd aan de ontginning in de 19^{e} eeuw of aan de aanleg van het huidige hoogspanningsstation in de jaren '70 van de 20^{e} eeuw.

4. *Wat is a) de aard (ontstaanswijze), b) dikte, en c) omvang van eventueel in het omringende gebied voorkomende afdekkende lagen en de (geschatte) ouderdom daarvan (plaggendek, stuifzandlaag, colluvium, kleidek, afvallaag, ophogingslaag)?*

   In het plangebied en de directe omgeving zijn naar verwachting geen afdekkende lagen zoals een plaggendek aanwezig.

5. *Wat is het historisch landgebruik van de onderzoekslocatie en het omringende gebied geweest, uitgaande van a) de Hottingerkaart, b) het Kadastraal minuutplan, c) de Topografisch Militaire Kaart 1850 en d) het Bonneblad?*

   Op de Hottinger atlas van eind 18^{e} eeuw en het kadastraal minuutplan van begin 19^{e} eeuw ligt het plangebied in een onontgonnen heideveld. Op het kadastraal minuutplan loopt door het midden van het plangebied de west-

oost georiënteerde weg tussen Neede en Eibergen. Op de Topografisch Militaire Kaart van 1850 is het heidegebied (grotendeels) ontgonnen en verkaveld. Op de Bonnebladen en Topografische kaarten blijft het plangebied tot in de tweede helft van de 20e eeuw onbebouwd. Op de topografische kaart van 1977 is de huidige hoogspanningsstation aanwezig.

6. *Welke gegevens met betrekking tot archeologische complexen ('waarnemingen' inclusief uitkomsten historisch kaartonderzoek uit 5) zijn reeds binnen het onderzoeksgebied en/of binnen de landschappelijke eenheden rondom de onderzoekslocatie bekend? Wat is per vondst- en/of spoorcomplex bekend over: a) bronvermelding (onderzoeksrapportages, ARCHIS-gegevens), b) de materiaalcategorieën, c) ouderdom, d) ruimtelijke (geografische) verspreiding, e) stratigrafische verspreiding (diepteligging en/of dikte vondstlaag), f) fragmentatie, g) waarnemingsmethode, h) interpretatie, dat wil zeggen zowel systemisch (indien redelijkerwijs uit de gegevens af te leiden) als volgens het principediagram (zo gespecificeerd mogelijk (top-down typering) op basis van de waarnemingen).*

   Zie hoofdstuk 2.3

7. *Gegeven 1 tot en met 4; welke (primaire) natuurlijke formatieprocessen (fasen van sedimentatie, erosie, laterale verplaatsing, bodemvorming, degradatie e.d.)zijn van toepassing in het onderzoeksgebied?*

   Gedurende de laatste ijstijd hebben, als gevolg van het koude klimaat en de beperkte aanwezigheid van vegetatie, zandverstuivingen plaats kunnen vinden. Dit dekzand is als een deken over het oudere landschap terechtgekomen. Met name in de laatste koude periode (Jonge Dryas) hebben zware zandverstuivingen plaats kunnen vinden, waardoor een reliëfrijk landschap is ontstaan. Het plangebied ligt geomorfologisch op een gordeldekzandwelving. In de top van het dekzand heeft zich vanwege de relatief hoge, droge ligging waarschijnlijk een veldpodzolbodem kunnen ontwikkelen.

8. *Gegeven 5 en 6; welke (primaire) culturele formatieprocessen (grondbewerking, bemesting, ophoging, betreding, percelering, [de-]constructie, materiaaltypen, materiaalgebruik en materiaaldepositie e.d.) zijn van toepassing in het plangebied [inclusief (sub)recente bodemverstoring als gevolg van (sub)recent landgebruik/inrichting]?*

   Zie vraag 3

9. *Gegeven 7 en 8; welke kunnen een rol hebben gespeeld bij de totstandkoming (geografisch en stratigrafisch) van eventuele aanwezige vondstspreidingen, de vondstdichtheid, vondst- en spoorniveaus (stratigrafisch), en de fysieke kwaliteit van eventueel aanwezige archeologische resten?*

   Zie gespecificeerde verwachting hoofdstuk 3

10. *Wat is de archeologische verwachting op de verschillende archeologische verwachtingskaarten? In hoeverre dient deze aangepast te worden op basis van bovenstaande onderzoeksvragen?*

Op de archeologische verwachtingskaart van gemeente Berkelland heeft het plangebied een middelmatige verwachting (categorie 8). Op basis van het bureauonderzoek is er geen reden om deze verwachting aan te passen.

11. *Gegeven 1 tot en met 9; wat is de aard (mobilia [materiaalsoorten, fragmentatie, dichtheden], immobilia, ruimtelijke en stratigrafische spreiding, etc.) van (mogelijk) aanwezige vondst- en/of spoorcomplexen?*

    Zie gespecificeerde verwachting hoofdstuk 3

12. *Hoe manifesteren deze zich tijdens prospectieonderzoek (prospectiekenmerken, geografisch en stratigrafisch)?*

    Zie gespecificeerde verwachting hoofdstuk 3

13. *Welke vondst- en/of spoorcomplexen (conform het principediagram) kunnen binnen het onderzoeksgebied aangetoond worden?*

    Eventueel kunnen in het plangebied conform de principediagram complexen met een matige tot hoge dichtheid aan vondsten en sporen aanwezig zijn, waarbij de vondstlaag gedeeltelijk of geheel in de bouwvoor is opgenomen (type 4 en/of 5).

4.2 Conclusie

De voorgenomen ontwikkeling bestaat uit de uitbreiding van het hoogspanningsstation. Hierbij zijn de realisatie van twee transformatorvelden (twee keer 150 m^2) met portalen (twee keer 12 m^2), de bouw van een Centraal Diensten Gebouw (CDG; ca. 170 m^2), en de aanleg van kabeltracés (ca. 100 m lang) voorzien. De exacte vergravingsdiepte voor de aanleg van de transformatorvelden, de portalen en de kabeltracés is onbekend. Voor de aanleg van funderingen voor de CDG wordt uitgegaan van een vergravingsdiepte van minstens 80 cm onder maaiveld. Eventueel moet de hoogspanningsmast ten zuidoosten van het plangebied worden verzwaard, waarbij mogelijk nieuwe funderingen worden aangelegd. De exacte vergravingsdiepte voor de verzwaring van de hoogspanningsmast is onbekend.

Het plangebied ligt in de archeoregio Gelders Overijssels zandgebied. Geomorfologisch bevindt het plangebied zich op een gordeldekzandwelving. De natuurlijke bodemopbouw in het plangebied bestaat uit matig fijn, leemarm tot zwak lemig dekzand, waarin zich een veldpodzolbodem heeft kunnen ontwikkelen.

Op basis van het bureauonderzoek heeft het plangebied een middelhoge verwachting voor archeologische resten uit de periode van jager-verzamelaars (vanaf het Laat Paleolithicum tot en met het Neolithicum) en de periode van landbouwsamenlevingen (vanaf het Neolithicum tot en met de Nieuwe Tijd). Eventuele resten kunnen zich bevinden in de top van het dekzand. Mogelijk is de bodem verstoord als gevolg van de ontginning in de 19^{e} eeuw en de aanleg van het huidige hoogspanningsstation. De mate van deze verstoring is onvoldoende bekend. Bij de voorgenomen bodemingrepen kunnen eventuele archeologische resten in de top van het dekzand worden verstoord.

4.3 Advies

Op basis van de resultaten van het bureauonderzoek kunnen in het plangebied mogelijk archeologische waarden aanwezig zijn die bij de voorgenomen ontwikkeling kunnen worden verstoord. Daarom adviseert Sweco Nederland om in het plangebied een inventariserend veldonderzoek uit te laten voeren in de vorm van een verkennend booronderzoek. Dit onderzoek heeft tot doel om enerzijds te bepalen in hoeverre het plangebied is verstoord, en anderzijds om te bepalen of het plangebied op basis van de bodemopbouw in het verleden een gunstige vestigingslocatie kan zijn geweest. Aan de hand van de resultaten van het verkennend booronderzoek kan worden bepaald of, en in welke vorm, vervolgonderzoek nodig is. Aanbevolen wordt om de boringen te zetten in een 20 x 25 m grid tot een diepte van minimaal 30 cm in de schone C-horizont. Indien deze niet (intact) aanwezig is, is de maximale boordiepte 2 m onder maaiveld.

Indien bij de uitvoering van de werkzaamheden toch onverwacht archeologische resten worden aangetroffen, dan is conform artikel 5.10 van de Erfgoedwet aanmelding van de desbetreffende vondsten bij de minister verplicht (vondstmelding via de Rijksdienst voor het Cultureel Erfgoed).[13]

De bevoegde overheid neemt op basis van dit rapport een (selectie)besluit. De mogelijkheid bestaat dat dit besluit afwijkt van het door ons opgestelde advies.

[13] https://formulier.cultureelerfgoed.nl/archis/vondstmeldingsformulier

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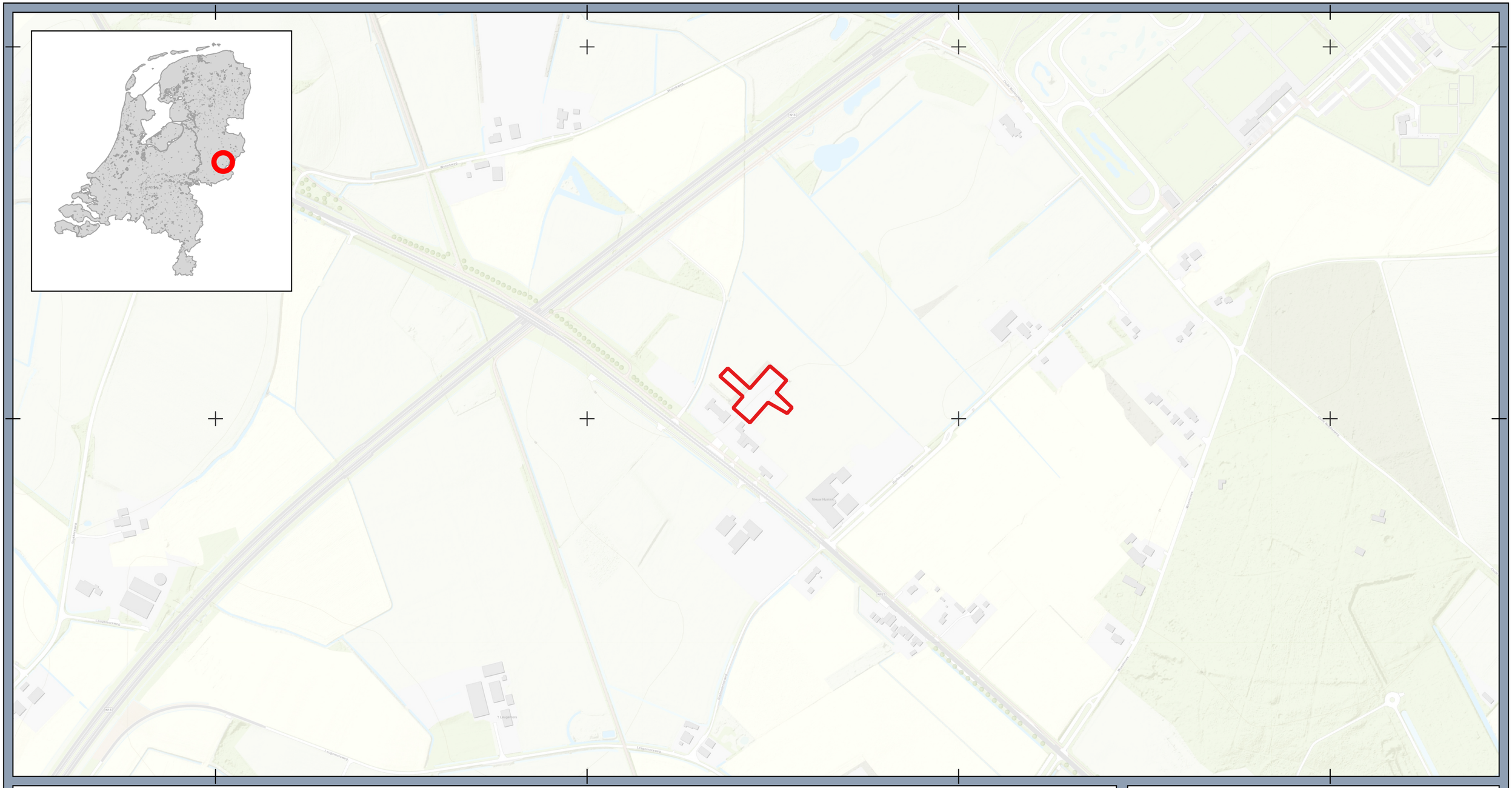
https://monumentenregister.cultureelerfgoed.nl

www.pdok.nl

www.topotijdreis.nl

Bijlage 1. Locatie van het plangebied



Legenda

Plangebied

Ligging locatie

Needseweg Eibergen

Opdrachtgever: TenneT TSO B.V.
Projectnummer: 377076

SWECO

Datum: 22-04-2021 09:03
Schaal: 1:5000
Formaat: A3

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N

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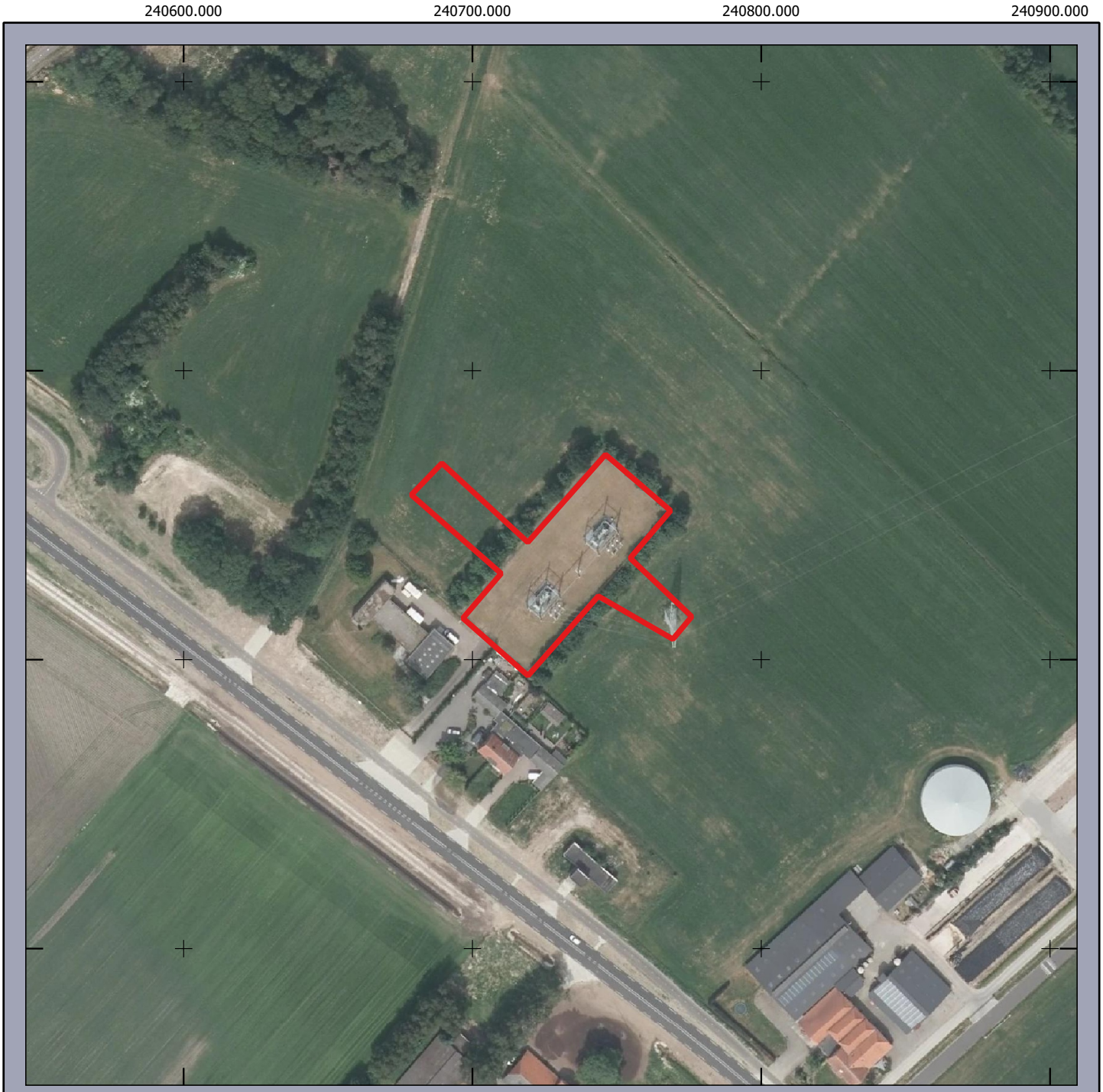
Bijlage 2. Luchtfoto 2018



Legenda

Plangebied

Luchtfoto 2018
Needseweg Eibergen

Opdrachtgever: TenneT TSO B.V.
Projectnummer: 377076

SWECO

Status: Definitief
Datum: 22-04-2021
Schaal: 1:2000
Formaat: A4

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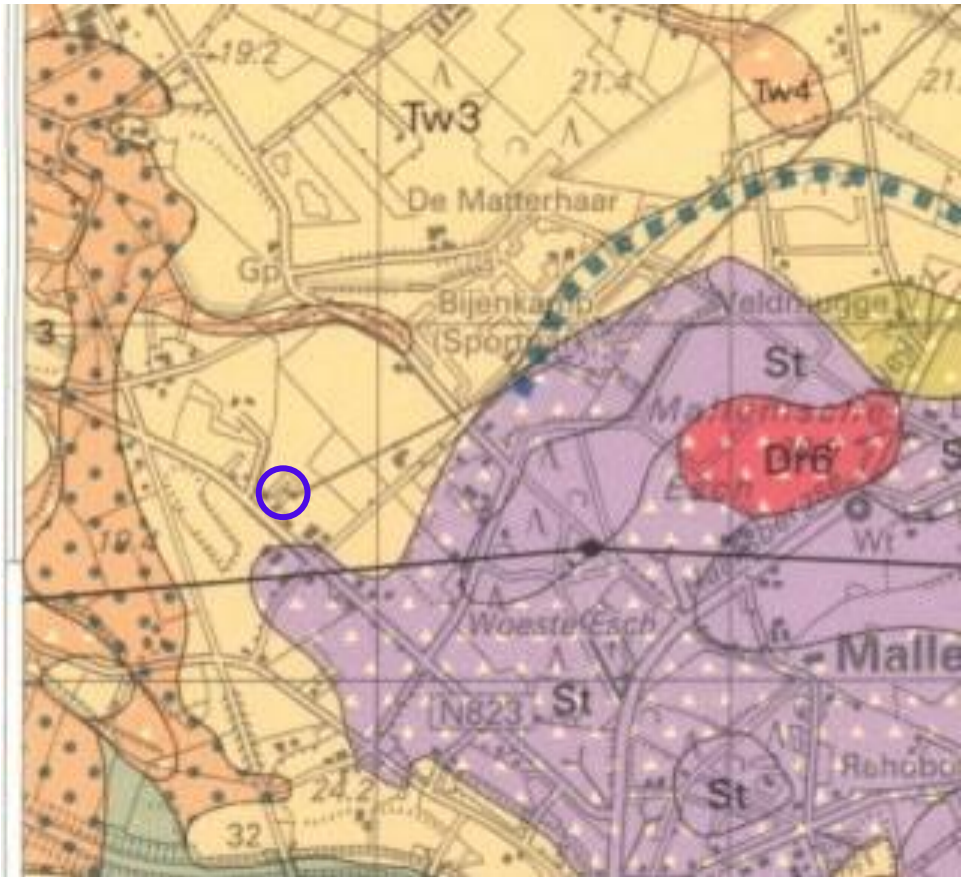
Bijlage 3. Geologie

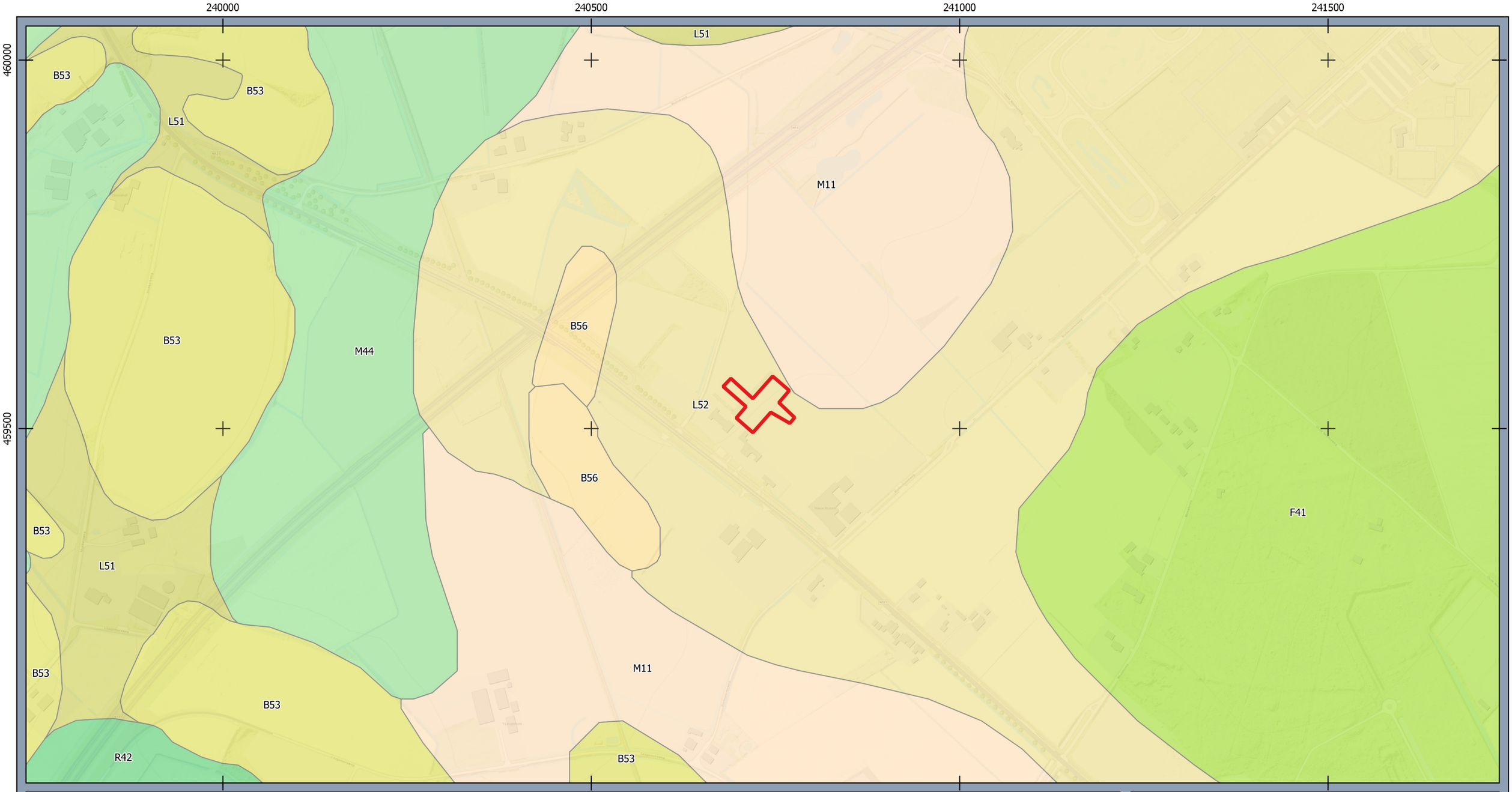


Geologische kaart blad 34 oost – 35 (plangebied blauw omcirkeld).

Tw3: dekzand (zeer fijn en matig fijn zand, vaak its lemig) dikker dan 2 m

St: grind en sterk grindhoudend zand (Formatie van Sterksel). Gele driehoeken duiden op dekzand dunner dan 2m

Bijlage 4. Geomorfologie



Legenda

- Plangebied
- B53 - Dekzandrug
- B56 - Gordeldekzandrug
- F41 - Plateau-achtige terrasrest
- L51 - Dekzandwelvingen
- L52 - Gordeldekzandwelvingen
- M11 - Vlakte van grondmorene
- M44 - Beek(dal)overstromingsvlakte
- R42 - Beekdalbodem

Geomorfologische kaart

Needseweg Eibergen

Opdrachtgever: TenneT TSO B.V.
Projectnummer: 377076

SWECO

Datum: 22-04-2021 08:58
Schaal: 1:5000
Formaat: A3

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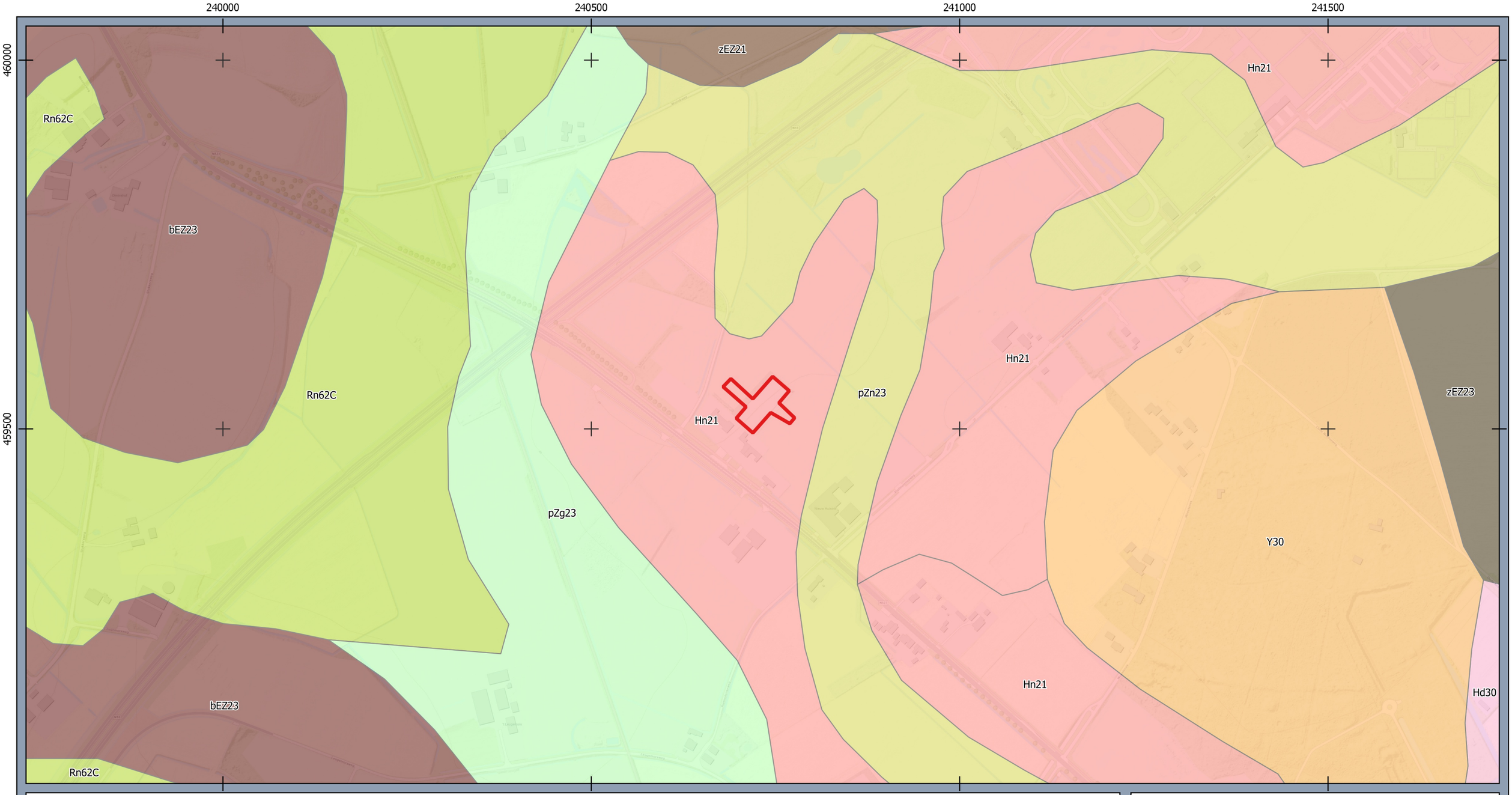
Bijlage 5. Bodemkaart



Legenda

- Plangebied
- bEZ23 - Hoge bruine enkeerdgronden
- Hd30 - Haarpodzolgronden
- Hn21 - Veldpodzolgronden
- pZg23 - Beekeerdgronden
- pZn23 - Gooreerdgronden
- Rn62C - Kalkloze poldervaaggronden
- Y30 - Holtpodzolgronden
- zEZ21 / zEZ23 - Hoge zwarte enkeerdgronden

Bodemkaart

Needseweg Eibergen

Opdrachtgever: TenneT TSO B.V.
Projectnummer: 377076

SWECO

Datum: 22-04-2021 08:58
Schaal: 1:5000
Formaat: A3

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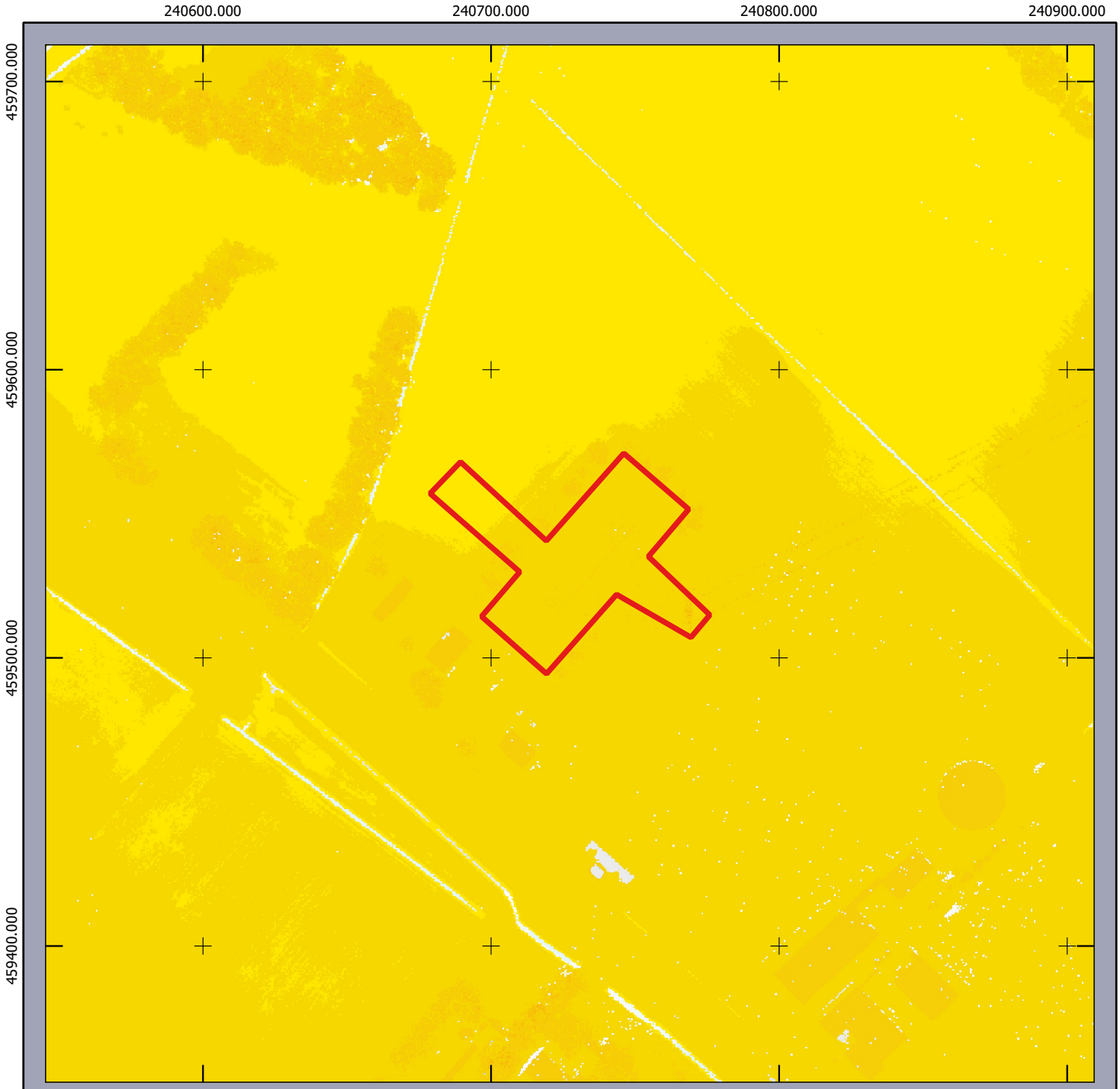
Bijlage 6. AHN



Legenda

Plangebied

AHN
Needseweg Eibergen

Opdrachtgever: TenneT TSO B.V.
Projectnummer: 377076

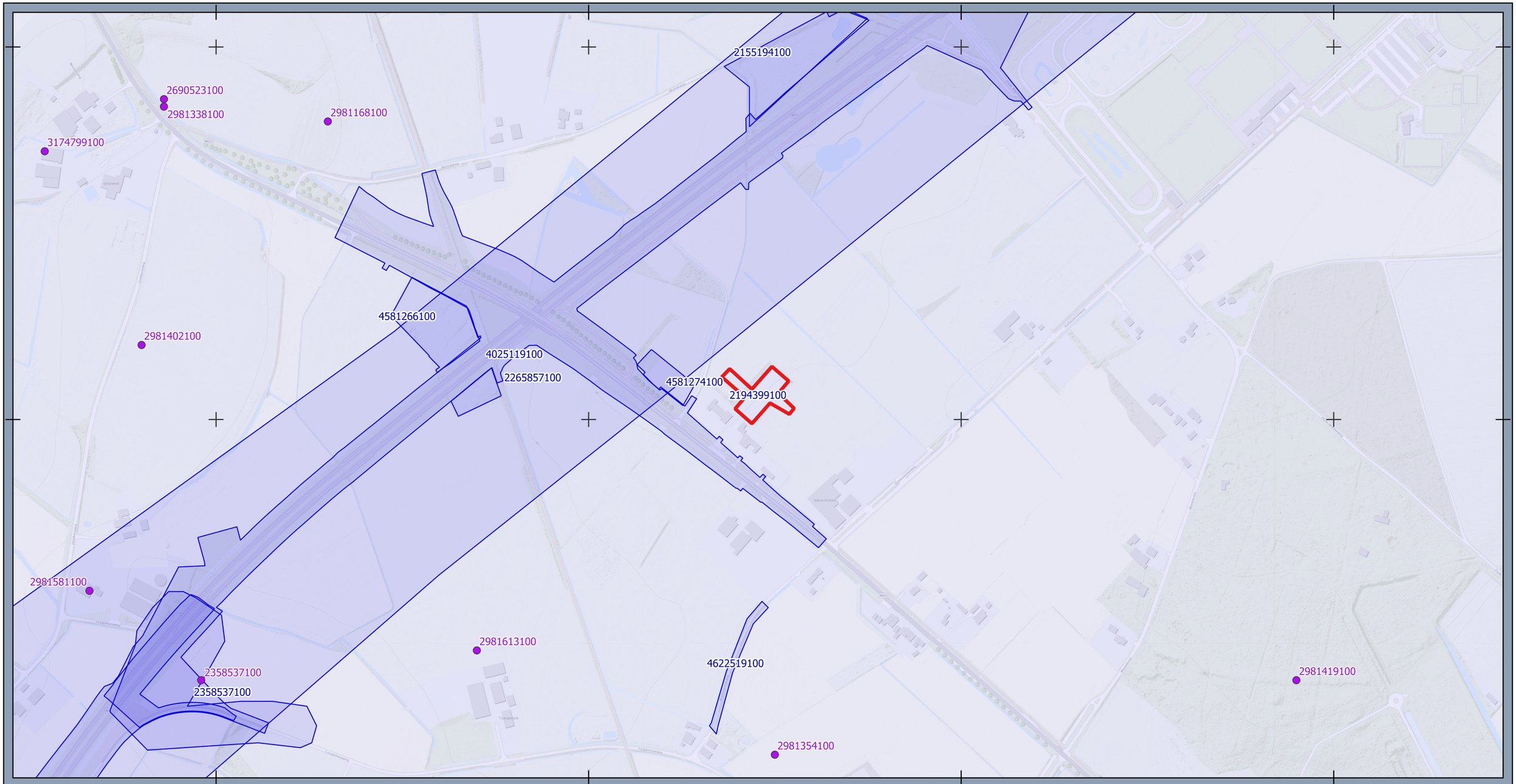
SWECO

Status: Definitief
Datum: 22-04-2021
Schaal: 1:2000
Formaat: A4

0 40 80 120 160 m

N

Bijlage 7. Bekende archeologische gegevens



Legenda

- Plangebied
- Onderzoeksmeldingen
- Vondstlocaties

Archeologie

Needseweg Eibergen

Opdrachtgever: TenneT TSO B.V.
Projectnummer: 377076

SWECO

Datum: 22-04-2021 08:50
Schaal: 1:5000
Formaat: A3

0 70 140 210 280 meters

N

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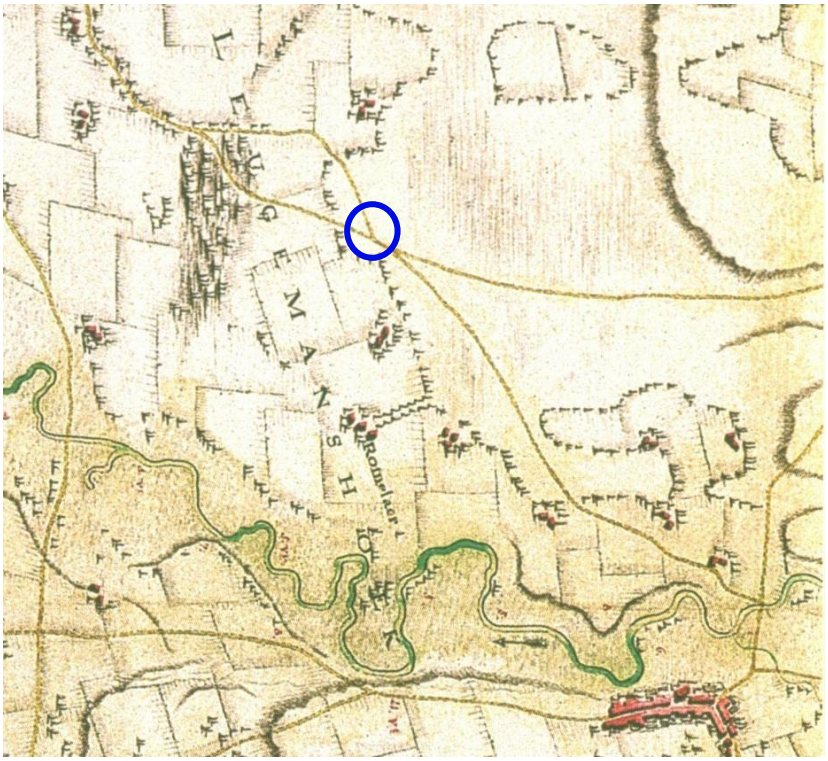
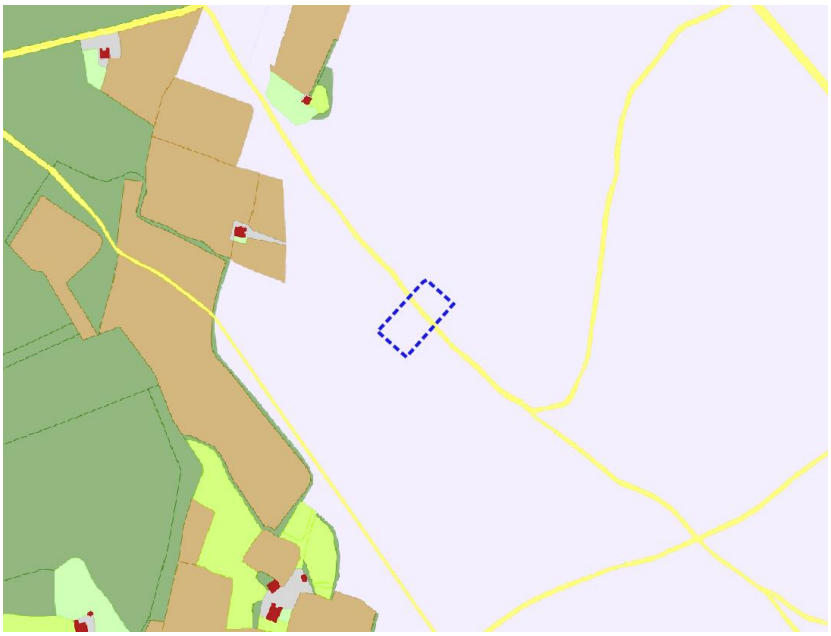
P:\240\377076_Station_Eibergen\2. Do Work\Archeologie\Archeologische onderzoeken\9_GIS\2 data\Station_TenneT_Needseweg_Eibergen, blad 1 van 1

Bijlage 8. Historische kaarten



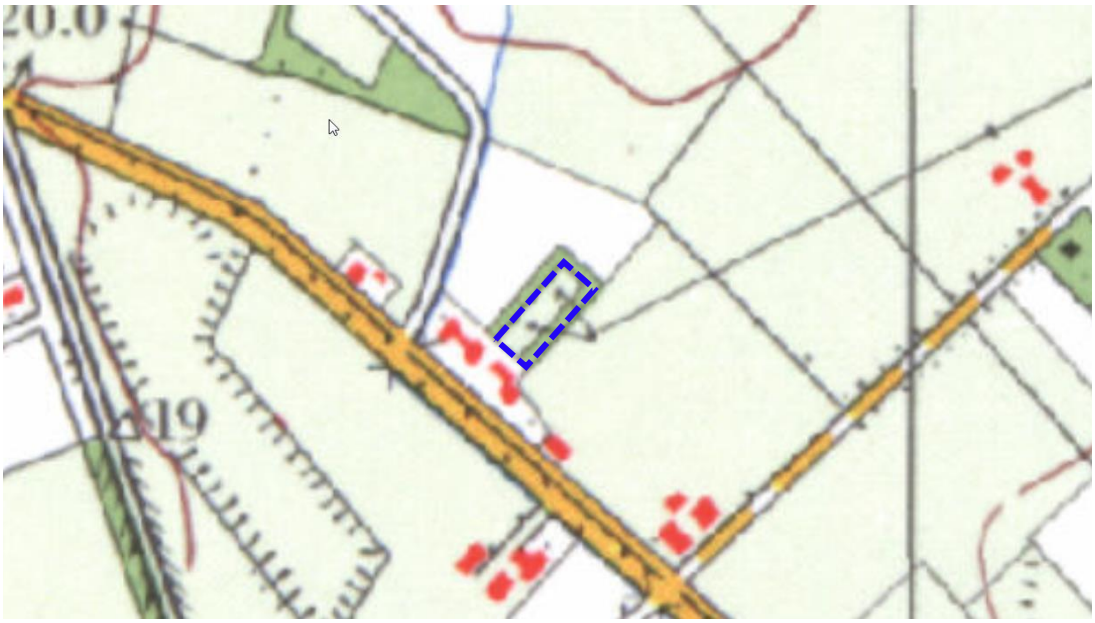
Hottinger atlas omstreeks 1780. De locatie van het plangebied (blauw omcirkeld) is indicatief.


Kadastraal minuutplan begin 19e eeuw in hisgis gelderland (hisgis.nl).

Topografisch Militaire Kaart omstreeks 1850 (plangebied blauw omkaderd).

Bonneblad van 1902 (plangebied blauw omkaderd).

Bonneblad van 1927 (plangebied blauw omkaderd).


Topografische kaart van 1977 (plangebied blauw omkaderd).

Rapport

Projectnummer: 377076
Referentienummer: SWNL0271891
Datum: 29-06-2021

Bureauonderzoek ecologie uitbreiding hoogspanning station Eibergen

Oriënterend bureauonderzoek in het kader van de wet- en regelgeving voor natuur

Definitief

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Subtitel	Oriënterend bureauonderzoek in het kader van de wet- en regelgeving voor natuur
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Bijlage 1 Toestemmingverlening stikstofuitstoot bij nieuwe activiteiten

1 Inleiding

1.1 Kader van het onderzoek

TenneT TSO B.V. is voornemens het hoogspanningsstation te Eibergen (aan de Needseweg) uit te breiden om ook in de toekomst aan de elektriciteitsvraag te kunnen blijven voldoen. TenneT TSO B.V. heeft Sweco gevraagd voor het uitvoeren van een aantal conditionerende onderzoeken, waaronder voorliggend bureauonderzoek natuur. In voorliggend bureauonderzoek worden de natuurwaarden binnen het plangebied en de mogelijke effecten van de geplande werkzaamheden op deze natuurwaarden beschreven.

Projecten of handelingen dienen namelijk te worden getoetst aan de wet- en regelgeving voor natuur. De natuurbescherming in Nederland bestaat uit de volgende kaders:

- Wet natuurbescherming:
  - Natura 2000-gebieden
  - Soorten
- Natuurnetwerk Nederland (NNN) en natuurgebieden buiten het NNN (o.a. ganzenfoerageergebied, weidevogelleefgebied).

De bureaustudie ecologie is erop gericht om een eerste inzicht te krijgen in de mogelijke effecten op beschermde natuurwaarden in en om het projectgebied en de mogelijke vervolgstappen die moeten worden genomen met betrekking tot (aanvullend) veldonderzoek, nader effectonderzoek en nadere procedures. De bureaustudie ecologie is de eerste stap in de procedure. Afhankelijk van het resultaat moeten de navolgende stappen al dan niet worden doorlopen.

In deze bureaustudie heeft toetsing plaatsgevonden op beschermde Natura 2000-gebieden, beschermde soorten en op de natuurbeleidskaders voor zover dit mogelijk is op basis van bronnenonderzoek.

1.2 Ligging plangebied en voorgenomen activiteiten

Het betreffende hoogspanningsstation bevindt zich aan de Needseweg (N823) ter hoogte van huisnummer 18. Het plangebied betreft het gehele hoogspanningsstation inclusief de aanwezige bebouwing. Het hoogspanningsstation is opgedeeld in een perceel van Liander en een perceel van TenneT. Op het perceel van Liander is bebouwing aanwezig die gesloopt gaat worden. Voor de werkzaamheden die Liander gaat uitvoeren is reeds een natuuronderzoek uitgevoerd in september 2020 (Bureau Aandacht Natuur, 2020). Voorliggend ecologisch onderzoek richt zich op het perceel ten zuidoosten van het perceel van Liander en betreft het terrein van TenneT (zie afbeelding 1.1, weergegeven in geel). Het mogelijk kappen van de aanwezige windsingel tussen het perceel van Liander en TenneT in is opgenomen in het reeds uitgevoerde onderzoek en zal in voorliggend natuuronderzoek buiten beschouwing worden gelaten. Uitgangspunt voor de werkzaamheden op het terrein van TenneT is dat er geen bomen gekapt gaan worden. Gezien de aard van de werkzaamheden, het reeds uitgevoerde onderzoek (inclusief veldbezoek) door Liander en de ecotopen in het plangebied, is er voor gekozen een bureaustudie uit te voeren voor het in kaart brengen van mogelijke risico’s voor aanwezige natuurwaarden en een veldbezoek (vooralsnog) achterwege te laten.

Figuur 1.1 Overzicht van het plangebied. Blauw is het terrein van Liander en geel is het terrein van TenneT en tevens plangebied van voorliggend ecologisch onderzoek.

De werkzaamheden die plaats gaan vinden bestaan uit het realiseren van twee nieuwe nieuwe hoogspanningsvelden (naast de bestaande hoogspanningsvelden), het aanbrengen van een aantal ondergrondse leidingen en het versterken van de fundering van de hoogspanningsmast ten oosten van het plangebied. In afbeelding 1.2 is weergegeven waar de beoogde werkzaamheden uitgevoerd zullen worden.

Afbeelding 1.2 Voorgenomen werkzaamheden. Blauw zijn de te realiseren hoogspanningsvelden die in voorliggende rapportage worden getoetst en de hoogspanningsmast waar de fundering wordt aangepast is roze omcirkeld. Groen zijn de transformatoren op het perceel van Liander en worden buiten beschouwing gelaten.

2 Wet natuurbescherming: Natura 2000-gebieden

2.1 Toetsingskader

Bescherming van Natura 2000-gebieden vindt plaats op grond van de Wet natuurbescherming. Onder Natura 2000-gebieden vallen de gebieden die op grond van de Europese Vogelrichtlijn en/of Habitatrichtlijn zijn aangewezen. De essentie van het beschermingsregime voor deze gebieden is dat de duurzame instandhouding van soorten en habitats binnen de Europese Unie wordt gewaarborgd. Daarbij zijn instandhoudingsdoelstellingen geformuleerd voor natuurlijke habitats en/of soorten. Dit kunnen behoudsdoelstellingen zijn voor habitats en leefgebieden van soorten die zich al op het gewenste niveau (kwalitatief en kwantitatief) bevinden of uitbreidings- respectievelijk verbeterdoelstellingen voor habitats en leefgebieden van soorten die zich nog niet op het gewenste niveau bevinden.

Om dit toetsbaar te maken kent de Wet natuurbescherming (Wnb) een goedkeuringsvereiste voor plannen die significante gevolgen voor de betreffende gebieden zouden kunnen hebben (artikel 2.7, eerste lid, Wnb), en een vergunningplicht voor projecten en andere handelingen die (significant) negatieve gevolgen voor de betreffende gebieden zouden kunnen hebben (artikel 2.7, tweede lid, Wnb). De goedkeuring of de vergunning wordt alleen verleend wanneer voldoende zeker is dat de instandhoudingsdoelstellingen voor het betreffende Natura 2000-gebied niet in het geding zijn. Wanneer significante gevolgen voor Natura 2000-gebieden op grond van een passende beoordeling niet kunnen worden uitgesloten, kan alleen goedkeuring aan het plan of een vergunning voor het project worden verleend indien de ADC-toets met succes doorlopen kan worden (artikel 2.8, vierde lid, Wnb). Dat betekent dat het project nodig is omwille van een dwingende reden van groot openbaar belang, er geen alternatief mag zijn met minder grote effecten op Natura 2000 en de nodige compenserende maatregelen worden getroffen.

Op 29 mei 2019 heeft de Afdeling bestuursrechtspraak van de Raad van State (ABRvS) uitspraak gedaan over het Programma Aanpak Stikstof (PAS). De Afdeling heeft geoordeeld dat het PAS niet aan alle eisen van de Habitatrichtlijn voldoet. Het PAS geeft onvoldoende zekerheid dat met de uitgifte van ontwikkelingsruimte significante gevolgen voor Natura 2000 zijn uitgesloten. De consequentie is dat het PAS niet als basis voor toestemming voor projecten of andere activiteiten kan worden gebruikt. Toetsing van effecten van stikstofdepositie gaat daarom weer volgens de in voorgaande alinea beschreven procedure.

2.2 Inventarisatie

Voor de inventarisatie van Natura 2000-gebieden is gebruik gemaakt van de gebiedendatabase van het ministerie van Landbouw, Natuur en Voedselkwaliteit (LNV). Het dichtstbijzijnde Natura 2000-gebied Buurserzand & Haaksbergerveen (circa 7 km). Dit is het gele gebied in afbeelding 2.1. Natura 2000-gebied Buurserzand & Haaksbergen is aangewezen als Habitatrichtlijngebied, waarin stikstofgevoelige habitattypen aanwezig zijn.

Figuur 2.1 Globale ligging van het plangebied (rood) ten opzichte van Natura 2000-gebied Buurserzand & Haaksbergen (transparant geel).

2.3 Analyse van de mogelijke effecten

Het plangebied ligt ruim buiten de begrenzing van Natura 2000-gebied. Directe aantasting zoals oppervlakteverlies en versnippering van een Natura 2000-gebied is niet aan de orde omdat de werkzaamheden buiten de begrenzing van een Natura 2000-gebied plaatsvinden. Verstoring van verstoringsgevoelige dieren door beweging, geluid, trilling en licht gedurende de realisatiefase en gebruiksfase reikt tot maximaal enkele honderden meters ver. Natura 2000-gebied Buurserzand & Haaksbergen bevindt zich op een minimale afstand van ca. 7 km. Verstoring is daarom niet aan de orde.

Door het uitvoeren van de werkzaamheden ten behoeve van de beoogde uitbreiding van het hoogspanningsstation, zal een tijdelijke en geringe toename ontstaan in de uitstoot van stikstof door het gebruik van groot materieel. Na de realisatie zal geen additionele uitstoot plaatsvinden van stikstof, waardoor enige negatieve effecten uitsluitend kunnen ontstaan tijdens de realisatiefase. Of de tijdelijk verhoogde uitstoot zal leiden tot een verhoging van de depositie in de nabijgelegen Natura 2000-gebieden kan aangetoond worden met een berekening met het rekenmodel Aerius. In bijlage 1 is het stappenschema weergegeven dat gehanteerd wordt bij toestemmingverlening voor nieuwe activiteiten. Ondanks voor de sloop en nieuwbouw van de opstallen van het naastgelegen Liander terrein geen Aerius berekening is geadviseert, kan voor de werkzaamheden van Tennet alleen met zekerheid het projecteffect worden bepaald door het uitvoeren van een stikstofberekening. De werkzaamheden zijn beperkt qua omvang met alleen een tijdelijke minimale verhoging van stikstofdepositie, maar enig effect kan op voorhand niet met zekerheid worden uitgesloten.

3 Wet natuurbescherming: soortenbescherming

3.1 Toetsingskader

In de Wet natuurbescherming is de soortenbescherming in Nederland geregeld. In de Wet natuurbescherming worden drie verschillende beschermingsregimes gehanteerd waaraan verschillende verbodsbepalingen zijn gekoppeld:

Soorten Vogelrichtlijn (artikel 3.1 e.v.):

- lid 1) Het is verboden opzettelijk van nature in Nederland in het wild levende vogels van soorten als bedoeld in artikel 1 van de Vogelrichtlijn te doden of te vangen;
- lid 2) Het is verboden opzettelijk nesten, rustplaatsen en eieren van vogels als bedoeld in het eerste lid te vernielen of te beschadigen, of nesten van vogels weg te nemen;
- lid 3) Het is verboden eieren van vogels als bedoeld in het eerste lid te rapen en deze onder zich te hebben;
- lid 4) Het is verboden vogels als bedoeld in het eerste lid opzettelijk te storen;
- lid 5) Het verbod, bedoeld in het vierde lid, is niet van toepassing indien de storing niet van wezenlijke invloed is op de staat van instandhouding van de desbetreffende vogelsoort.

Soorten Habitatrichtlijn (artikel 3.5 e.v.):

- lid 1) Het is verboden in het wild levende dieren van soorten, genoemd in bijlage IV, onderdeel a, bij de Habitatrichtlijn, bijlage II bij het Verdrag van Bern of bijlage I bij het Verdrag van Bonn, in hun natuurlijk verspreidingsgebied opzettelijk te doden of te vangen;
- lid 2) Het is verboden dieren als bedoeld in het eerste lid opzettelijk te verstoren;
- lid 3) Het is verboden eieren van dieren als bedoeld in het eerste lid in de natuur opzettelijk te vernielen of te rapen;
- lid 4) Het is verboden de voortplantingsplaatsen of rustplaatsen van dieren als bedoeld in het eerste lid te beschadigen of te vernielen;
- lid 5) Het is verboden planten van soorten, genoemd in bijlage IV, onderdeel b, bij de Habitatrichtlijn of bijlage I bij het Verdrag van Bern, in hun natuurlijke verspreidingsgebied opzettelijk te plukken en te verzamelen, af te snijden, te ontwortelen of te vernielen.

Andere Soorten (artikel 3.10 e.v.):

- lid 1) Onverminderd artikel 3.5, eerste, vierde en vijfde lid, is het verboden:

onderdeel a. in het wild levende zoogdieren, amfibieën, reptielen, vissen, dagvlinders, libellen en kevers van de soorten, genoemd in de bijlage, onderdeel A, bij deze wet, opzettelijk te doden of te vangen;
onderdeel b. de vaste voortplantingsplaatsen of rustplaatsen van dieren als bedoeld in onderdeel a opzettelijk te beschadigen of te vernielen, of
onderdeel c. vaatplanten van de soorten, genoemd in de bijlage, onderdeel B, bij deze wet, in hun natuurlijke verspreidingsgebied opzettelijk te plukken en te verzamelen, af te snijden, te ontwortelen of te vernielen.

Voor *Vogelrichtlijn- en Habitatrichtlijnsoorten* geldt dat voortplantings- en rustplaatsen (inclusief functionele leefomgeving) van beschermde soorten niet opzettelijk verstoord of vernietigd mogen worden en dat exemplaren van beschermde soorten niet opzettelijk) mogen worden gedood of verwond.

Voor *Andere beschermde soorten* geldt dat voortplantingsplaatsen en rustplaatsen (inclusief functionele leefomgeving) van beschermde soorten niet (opzettelijk) vernietigd mogen worden en dat exemplaren van beschermde soorten niet (opzettelijk) mogen worden gedood of verwond. Verbodsbepalingen ten aanzien van de verstoring zijn niet van toepassing op deze soorten. Ten aanzien van de *andere beschermde soorten* geldt dat het bevoegd gezag (provincies c.q. ministerie van LNV) de vrijheidheeft om soorten binnen deze categorie vrij te stellen van de verbodsbepalingen uit artikel 3.10 Wet natuurbescherming.

Voor beschermde soorten die niet zijn vrijgesteld en de voorgenomen activiteiten strijdig zijn met de bepalingen in de nieuwe wet geldt een ontheffingsplicht. Deze kan alleen worden verleend indien de gunstige staat van instandhouding niet in het geding is. Voor vogels geldt in afwijking hierop dat voor verstoring geen ontheffing nodig is, indien de gunstige staat van instandhouding niet in het geding is. Het is ook mogelijk om voor beide categorie soorten te werken volgens een goedgekeurde gedragscode die is afgestemd op de nieuw wet. Er is dan geen ontheffing nodig.

3.2 Methode

Bronnenonderzoek

De inventarisatie betreft een onderzoek naar de actueel en potentieel voorkomende beschermde soorten in het plangebied. De bureaustudie bestaat uit een bronnenonderzoek en een habitatgeschiktheid beoordeling op basis van luchtfoto’s, bestaande onderzoeken en foto’s vanuit het milieuonderzoek. Tijdens de veldinspectie is gekeken naar nesten in bomen en mast.

Het bronnenonderzoek heeft als doel een overzicht te verkrijgen van de beschikbare informatie met betrekking tot het voorkomen van beschermde soorten in het plangebied en de ruime omgeving er om heen. Hiervoor zijn de volgende bronnen gebruikt:

- NDFF (laatste vijf jaar);
- Soortenatlassen;
- Cyclomedia (luchtfoto’s);
- Uitgevoerd natuuronderzoek op naastgelegen perceel van Liander (Bureau Aandacht Natuur, 2020);
- Recente foto’s gemaakt tijdens milieuonderzoek (Sweco, 21-01-2021).

Analyse en toetsing van mogelijke effecten

Op basis van het bronnenonderzoek en de habitatgeschiktheidsbeoordeling is een inschatting gemaakt in hoeverre de te verwachten soort(groepen)en en/of het geschikte biotoop beïnvloed kunnen worden door de voorgenomen activiteit. Op basis van deze analyse wordt geconcludeerd voor welke soort(groepen) er nader (veld)onderzoek en eventueel ontheffingsplicht in kader van Wet natuurbescherming van toepassing is.

Het onderzoek beperkt zich tot op grond van de Wet Natuurbescherming beschermde plant- en diersoorten. Niet-beschermde Rode lijstsoorten die in het plangebied (kunnen) voorkomen zoals diverse soorten paddenstoelen en vaatplanten worden niet in het

onderzoek betrokken omdat deze soorten niet relevant zijn voor toetsing aan de Wet Natuurbescherming.

3.3 Voorkomende ecotopen

Het plangebied bestaat uit een onverhard perceel (gras) met hoogspanningsvelden en een afrastering:

- gras: gemaaid gras rondom de aanwezige hoogspanningsvelden zonder ruigte;
- bomen: Direct rondom het perceel zijn bomen aanwezig die mogelijk kunnen dienen als broedlocatie voor meerdere soorten vogels.

3.4 Planten

Actueel en potentieel voorkomende beschermde soorten

In het plangebied en in de omgeving zijn geen waarnemingen bekend van beschermde plantensoorten (NDFF, 2016-2021). Gezien de aard van het plangebied, frequent gemaaid gras, is dit ook niet te verwachten.

Analyse en toetsing van mogelijke effecten

De werkzaamheden hebben geen effect op plantensoorten behorend tot de beschermingsregimes van de Wet natuurbescherming aangezien deze niet voorkomen in het plangebied en gezien het biotoop binnen het plangebied ook niet zijn te verwachten. Aanvullend onderzoek naar beschermde planten en een mogelijke ontheffingsprocedure zijn daarom niet nodig.

3.5 Vleermuizen

Actueel en potentieel voorkomende beschermde soorten

In de omgeving van het plangebied is een waarneming bekend van kleine dwergvleermuis (NDFF, 2016-2021). Op basis van verspreidingsgegevens kunnen ook soorten als ruige dwergvleermuis, gewone dwergvleermuis en laatvlieger in de omgeving voorkomen (Telmee.nl 2016-2021). Tevens zijn uitwerpselen van vleermuis waargenomen op de geveldelen van de bebouwing van het perceel van Liander (Bureau Aandacht Natuur, 2020), maar wordt vermoed dat de aanwezige windsingel vanwege de geisoleerde ligging geen functie als vliegroute en zijn geen holtes in omliggende bomen aanwezig (Bureau Aandacht Natuur, 2020). Binnen het perceel van Tennetzijn geen bomen of gebouwen aanwezig die verwijderd worden.

Analyse en toetsing van mogelijke effecten

Binnen het plangebied zijn geen bomen aanwezig. De functie van de aanwezige windsingel is reeds beschreven in het natuuronderzoek voor het perceel van Liander (Bureau Aandacht Natuur, 2020) en wordt daarom hier verder buiten beschouwing gelaten. Door de werkzaamheden op het perceel van Tennet worden geen verblijfplaatsen verstoord of vernietigd en aanvullend onderzoek is niet nodig. Wel is dezorgplicht van kracht, die in dit geval voornamelijk voorschrijft dat werkzaamheden in de actieve periode van vleermuizen (globaal maart – oktober) geen gebruik gemaakt mag worden van kunstlicht dat omliggende bosschages of mogelijk gebouwen kan beschijnen.

3.6 Overige zoogdieren

Actueel en potentieel voorkomende beschermde soorten

Nabij het plangebied zijn geen waarnemingen bekend van beschermde overige soorten zoogdieren (NDFF, 2016-2021). In de omgeving kunnen wel algemeen voorkomende zoogdieren voorkomen zoals ree, haas en egel.

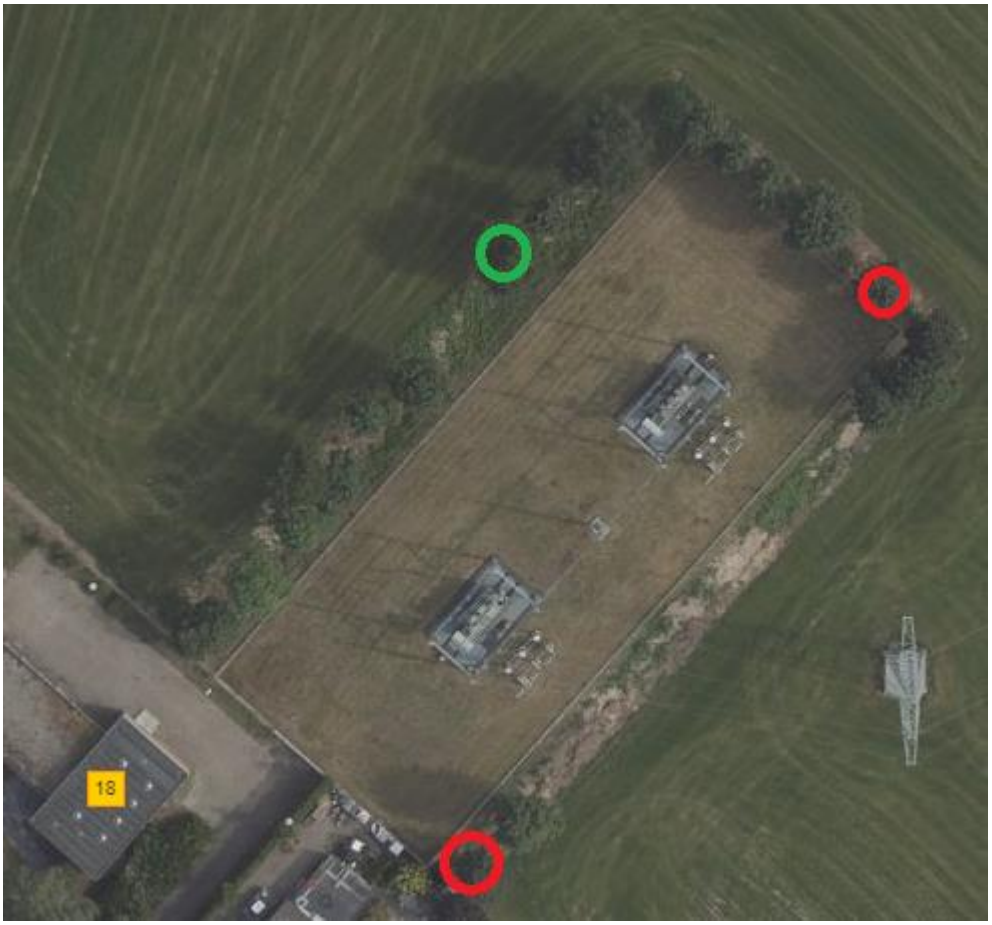
Analyse en toetsing van mogelijke effecten
Gezien de aard van het plangebied zijn geen verblijfplaatsen van beschermde zoogdieren te verwachten en tevens is het voor (grotere) zoogdieren onmogelijk het plangebied te betreden door de aanwezige afrastering in de vorm van een hoog hekwerk rondom het hoogspanningsstation. Derhalve zullen de werkzaamheden geen negatieve effecten veroorzaken op zoogdieren.

3.7 Vogels

Actueel en potentieel voorkomende beschermde soorten
Alle inheemse vogels zijn als Vogelrichtlijnsoort beschermd conform artikel 3.1 Wet natuurbescherming. Vogels zijn te allen tijde gedurende het broedseizoen beschermd.
Op basis van het bronnenonderzoek is vastgesteld dat er in de directe en wijde omgeving van het plangebied meerdere (broed)vogelsoorten zijn waargenomen in en nabij het plangebied (NDFF, 2016-2021).

In de betreffende hoogspanningsmast is geen nest aanwezig. Wel zijn er in de aanwezige bomen rondom het plangebied drie potentieel jaarrond beschermde nesten aanwezig, waarvan het nest in de windsingel is vastgesteld als eksternest en verder wordt besproken in de rapportage van het natuuronderzoek voor het terrein van Liander (Bureau Aandacht Natuur, 2020). Binnen dit onderzoek betreft het dus de twee overige potentieel jaarrond beschermde nesten.

Analyse en toetsing van mogelijke effecten
Verstoring van vogels treedt op wanneer er werkzaamheden uitgevoerd worden in de nabijheid van broedende vogels rond het werkgebied. Het betreft binnen dit project broedende vogels in de bodem vlak naast het plangebied (binnen het plangebied zijn geen bomen aanwezig). Door buiten het broedseizoen te werken, wordt verstoring van broedende vogels in deze omliggende bomen voorkomen. De broedperiode loopt globaal van half maart tot begin augustus. Indien het niet te vermijden is in het broedseizoen te werken dient eerst onderzocht te worden of er in de nabijheid van de werkzaamheden nesten of broedende vogels aanwezig zijn die verstoord kunnen worden of dient het plangebied voorafgaand aan het broedseizoen ongeschikt te worden gemaakt door bijvoorbeeld verstoring aan te brengen of de bomen buiten het broedseizoen te kappen. Indien toch een broedgeval aanwezig is binnen de verstoringsafstand van de werkzaamheden, wordt gewacht met de werkzaamheden tot het moment dat de vogels uitgevlogen zijn.
Alternatieve broedgelegenheden zijn in de omgeving ruimschoots aanwezig. De effecten van het kappen van de windsingel is reeds beschreven in het uitgevoerde natuuronderzoek op het terrein van Liander (Bureau Aandacht Natuur, 2020). Er zijn in de bomen rondom het plangebied op twee locaties potentieel jaarrond beschermde nesten aanwezig. Door deze bomen intact te houden en te werken buiten het broedseizoen, zijn negatieve effecten door verstoring uit te sluiten. In afbeelding 3.1 is aangegeven waar de jaarrond beschermde nesten zich bevinden.



Afbeeling 3.1 Locaties potentieel jaarrond beschermde nesten weergegeven met een rode cirkel. Locatie eksternest in windsingel is met een groene cirkel weergegeven

3.8 Amfibieën en Reptielen

Actueel en potentieel voorkomende beschermde soorten

Er zijn binnen of nabij geen waarnemingen bekend van (beschermde) amfibieën of reptielen (NDFF, 2016-2021). Voor deze soorten is in het plangebied geen geschikt habitat aanwezig.

Analyse en toetsing van mogelijke effecten

Wegens het ontbreken van geschikt habitat voor beschermde amfibieën binnen het plangebied, zijn deze hier niet te verwachten. Algemene soorten kunnen het plangebied passeren gedurende de werkzaamheden (door de bestaande afrastering heen). Daarvoor dient de zorgplicht in acht genomen te worden, wat voornamelijk inhoudt dat de dieren de gelegenheid moet worden geboden het plangebied te verlaten. Er hoeft voor amfibieën en reptielen geen aanvullend onderzoek plaats te vinden of vergunning / ontheffing te worden aangevraagd.

3.9 Vissen

Actueel en potentieel voorkomende beschermde soorten

Binnen het plangebied is geen leefgebied, in de vorm van open water, aanwezig. Enig effect op vissen is daarom uit te sluiten.

3.10 Ongewervelden

Actueel en potentieel voorkomende beschermde soorten

Vanuit het bronnenonderzoek zijn geen waarnemingen bekend van beschermde soorten ongewervelden (NDFF, 2016-2020).

Analyse en toetsing van mogelijke effecten

Er zijn binnen het plangebied geen beschermde soorten waargenomen of te verwachten door het ontbreken van geschikt habitat. Derhalve hebben de werkzaamheden geen negatief effect op deze soortgroepen en is aanvullend onderzoek niet nodig.

4 Natuurbeleidskaders

4.1 Toetsingskader

Het beleidskader van de overheid dat niet in wetgeving is vastgelegd bestaat uit:

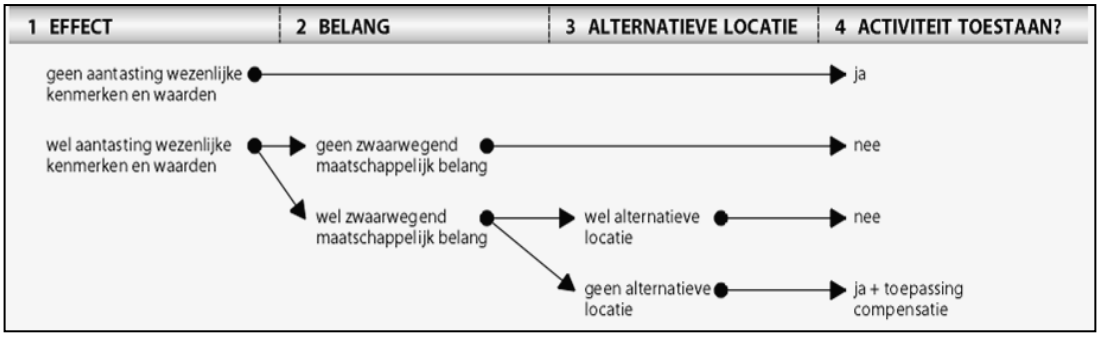
- Provinciaal beleid
  - Natuurnetwerk Nederland (NNN), in Gelderland Gelders Natuurnetwerk geheten (GNN).

4.2 Natuurnetwerk Nederland

Toetsingskader

De wettelijke bescherming (Wro) van het NNN is geregeld via het bestemmingsplan.

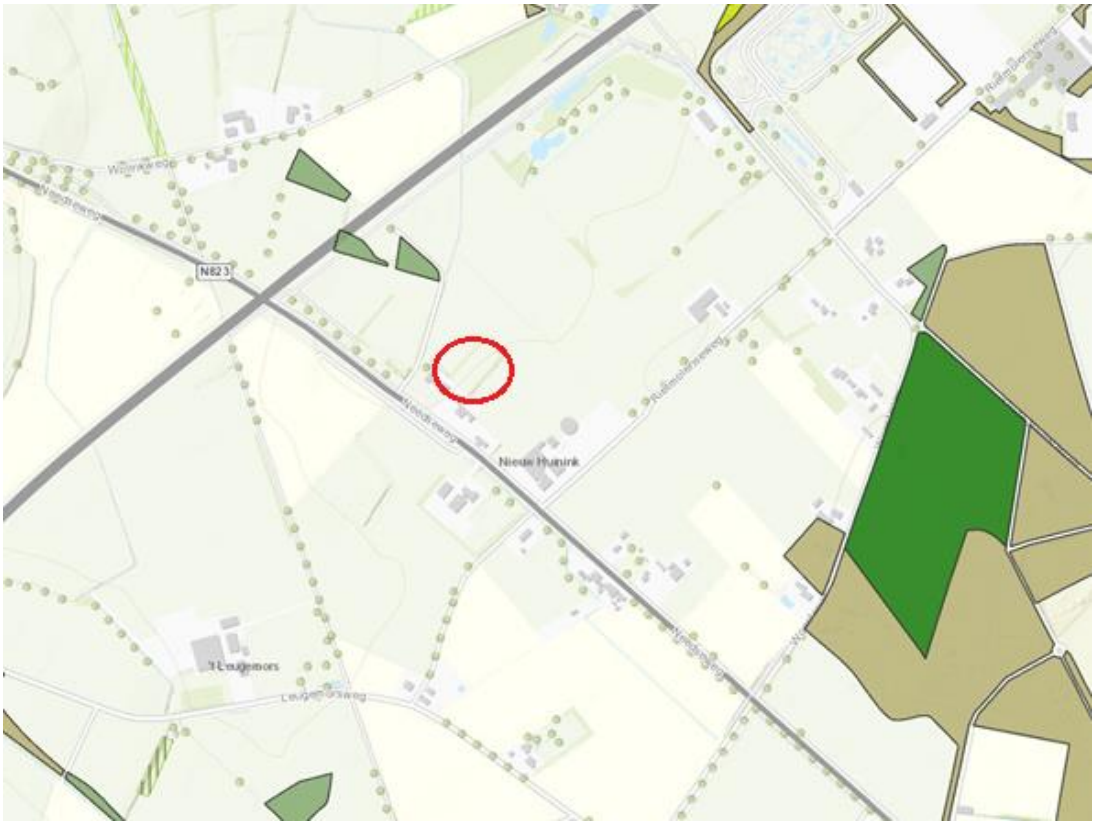
De afweging voor ingrepen in het NNN gaat volgens het 'nee, tenzij-principe'. In onderstaand schema is dit stapsgewijs weergegeven. Ingrepen met een significant negatieve invloed op de wezenlijke kenmerken en waarden mogen niet plaatsvinden, tenzij er sprake is van een zwaarwegend maatschappelijk belang en indien er geen alternatieven zijn. Indien bij een ingreep schade wordt aangericht aan een NNN-gebied, dan dient dit in ieder geval gemitigeerd te worden. De resteffecten aan verlies van kwaliteit en/of oppervlakte dient te worden gecompenseerd. Daarnaast kan salderen van positieve en negatieve effecten op het NNN uitkomst bieden om projecten in het NNN te realiseren. Het verkennend natuuronderzoek geeft inzicht in de ligging van NNN gebieden in de omgeving van het plangebied en de noodzaak voor het doorlopen van 'nee, tenzij, procedure'.
Een "nee, tenzij-toets" behoeft alleen te worden doorlopen indien er sprake is van een RO-procedure met betrekking tot wijziging van de bestemming van het plangebied.



Schema: Het 'nee, tenzij'-principe van het compensatiebeginsel.

Inventarisatie

Het plangebied ligt niet binnen de begrenzing Gelders Natuur Netwerk (GNN, zie afbeelding 4.1).



Afbeelding 4.1 Plangebied ten opzichte van GNN (groen/bruin). Globale ligging plangebied is rood gemarkeerd (bron: Provincie Gelderland))

Analyse en toetsing effecten
Het plangebied valt buiten de begrenzing van GNN. Negatieve effecten op de kernwaarden van het GNN zijn uitgesloten.

5 Conclusies

Wet natuurbescherming
Natura 2000-gebieden
Het dichtstbijzijnde Natura 2000-gebied is Natura 2000-gebied Buurserzand & Haaksbergerveen. Dit gebied ligt op een afstand van ca. 7 km tot het plangebied, waardoor verstoring door licht, geluid of beweging is uit te sluiten.
Tijdens de aanlegfase wordt een minimale en tijdelijke toename van de stikstofuitstoot verwacht. Echter kan enig effect op omliggende Natura 2000-gebieden pas definitief worden uitgesloten door een Aerius berekening uit te voeren. Voor de nieuwe situatie geldt dat deze gelijk is aan de huidige situatie en er geen sprake is van toename van stikstofuitstoot. De berekening hoeft uitsluitend uitgevoerd te worden voor de realisatiefase.

Soortenbescherming
Binnen het plangebied worden door het ontbreken van geschikt habitat, geen beschermde soorten verwacht en kunnen negatieve effcten op beschermde soorten worden uitgesloten.

Om verstoring van *broedende vogels* te voorkomen zullen de werkzaamheden buiten het broedseizoen (grofweg half maart t/m juli met uitloop tot halverwege augustus) uitgevoerd moeten worden. Indien uitvoering van de werkzaamheden in het broedseizoen niet is te voorkomen en in gebruik zijnde nesten van vogels kunnen worden verstoord, dient terrein voorafgaand aan de werkzaamheden geïnspecteerd worden door een deskundig ecoloog op aanwezigheid van in gebruik zijnde vogelnesten. Deze dienen gespaard te blijven zolang ze in gebruik zijn en de jongen zijn uitgevlogen. Ook kan voorafgaand aan het broedseizoen het plangebied ongeschikt worden gemaakt door de werkzaamheden reeds opgestart te hebben, verstoring aan te brengen of aanwezige bomen/bosschages te verwijderen. Voor de aanwezige potentieel jaarrond beschermde nesten geldt dat als buiten het broedseizoen wordt gewerkt en de betreffende bomen niet gekapt worden er geen negatieve effecten zullen ontstaan. Als deze bomen wel gekapt moeten worden, dient aanvullend onderzoek plaats te vinden naar het gebruik van deze nesten.

Zorgplicht
Om verstoring van migrerende, overvliegende of foeragerende vleermuizen te voorkomen, dienen de werkzaamheden zo veel als mogelijk overdag uitgevoerd te worden en dient waar mogelijk tussen zonsondergang en zonsopgang geen directe werkverlichting of strooiverlichting (m.u.v. voertuigen) toegepast te worden, die op bosjes, bomen en gebouwen kan schijnen.

Voor eventueel aanwezige algemene (vrijgestelde) soorten geldt een vrijstelling van de verbodsbepalingen uit de Wet natuurbescherming. Hiervoor geldt wel de zorgplicht, wat betekent dat nadelige gevolgen voor planten en dieren zoveel mogelijk moet worden voorkomen. Aanwezige dieren dienen in de gelegenheid gesteld te worden het plangebied te verlaten.

Natuurbeleidskaders
Natuurnetwerk Nederland
Het plangebied valt buiten de begrenzing van GNN. Derhalve zullen geen negatieve effecten optreden ten aanzien van de kernwaarden van NNN.

Samenvattende tabel

	Effecten	**Nader veld onderzoek**	**Nader effect onderzoek**	**Mitigerende maatregelen***	**Nadere procedure**
Wet natuurbescherming, Natura 2000- gebieden	Mogelijk stikstof	Geen	Aeriusberekening	Onbekend	Onbekend
Wet natuurbescherming, soorten bescherming	Verstoring Broedvogels,	Indien werken in broedseizoen: aanvullende inspectie;	Bij bomenkap; aanvullend onderzoek naar nest.	Werken buiten broedseizoen.	Bij bomenkap:mogelijk ontheffing nest
Natuurnetwerk Nederland	Geen	Geen	Geen	Geen	Geen

** Mogelijke maatregelen om effecten te voorkomen*

6 Bronnenlijst

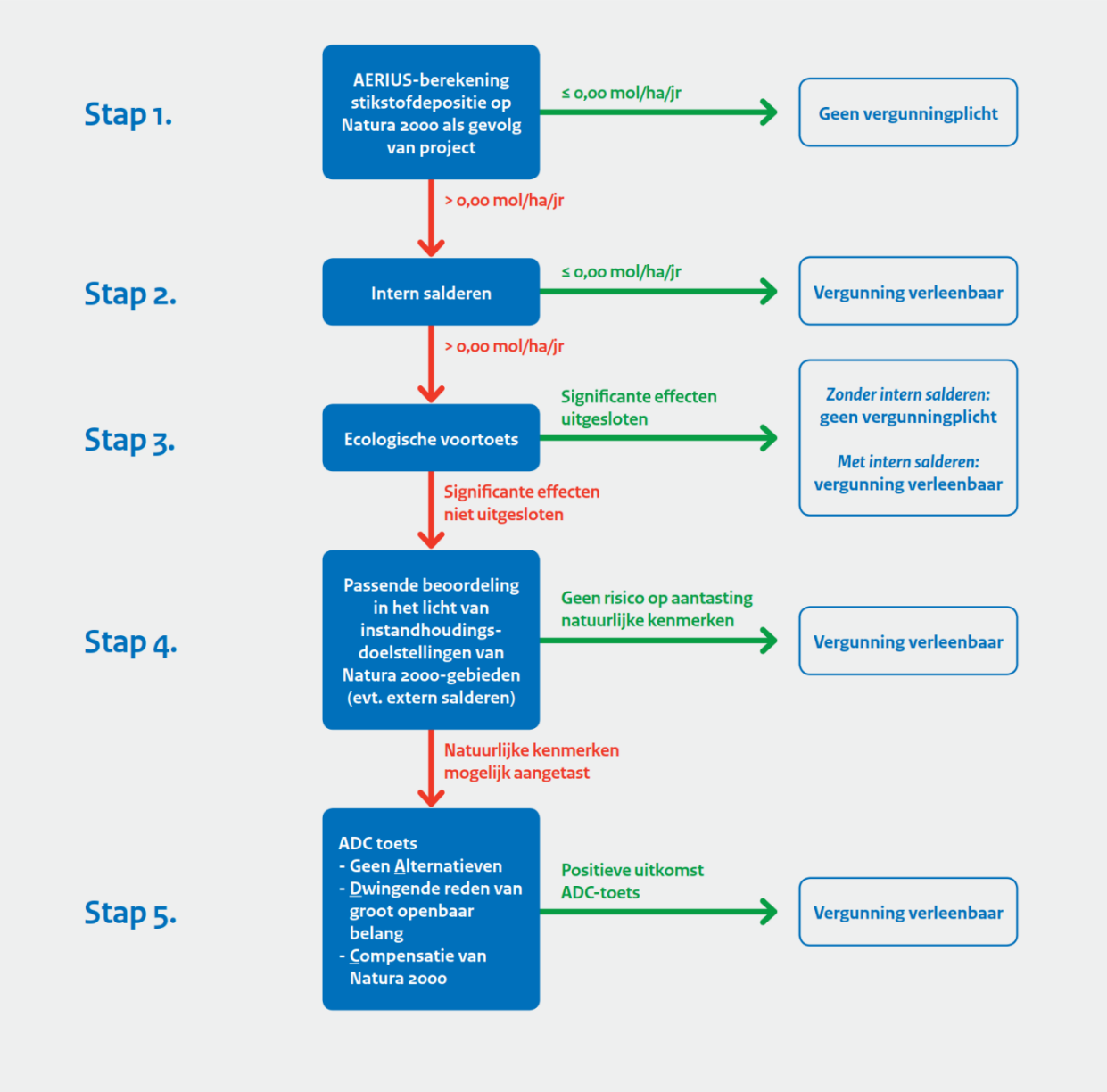
- Januari 2021: Nationale Databank Flora en Fauna (NDFF)
- Januari 2021: telmee.nl/
- Januari 2021: GNN kaart Gelderland
- Januari 2021: https://www.synbiosis.alterra.nl
- Januari 2021: Cyclomedia Street Smart
- Rapportage: *Toetsing Wet Natuurbescherming Herinrichting OS Eibergen*, Bureau Aandacht Natuur, september 2020, in opdracht van Quirion B.V.

Bijlage 1 Toestemmingverlening stikstofdepositie bij nieuwe activiteiten

Rijksoverheid

Toestemmingverlening stikstofdepositie bij nieuwe activiteiten

Aan de hand van onderstaand stappenplan kunt u vaststellen of u vergunningplichtig bent onder de Wet natuurbescherming en welke instrumenten u kunt inzetten om voor een natuurvergunning in aanmerking te komen.



Rapport

Projectnummer: 377076
Referentienummer: SWNL0273271
Datum: 15-02-2021

Verkennend bodemonderzoek

Locatie: 110kV station aan de Needseweg 18 te Eibergen

Definitief

Opdrachtgever:
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Verantwoording

Titel	Verkennend bodemonderzoek
Subtitel	Locatie: 110kV station aan de Needseweg 18 te Eibergen
Projectnummer	377076
Referentienummer	
Revisie	D0
Datum	15-02-2021
Auteur(s)	[redacted]
E-mailadres	[redacted]
Gecontroleerd door	[redacted]
Paraaf gecontroleerd	[redacted]
Goedgekeurd door	[redacted]
Paraaf goedgekeurd	[redacted]

Kwaliteitsborging en onafhankelijkheid
Het managementsysteem van Sweco Nederland B.V. voldoet aan verschillende eisen en normen. Een algemeen overzicht hiervan is opgenomen in de laatste bijlage.
Sweco Nederland B.V. verklaart hierbij dat zij en haar onderaannemers geen belang hebben bij de uitkomsten van het bodemonderzoek. Het onderzoek is derhalve volgens de eisen uit het Besluit bodemkwaliteit onafhankelijk uitgevoerd.
Volgens het Besluit bodemkwaliteit dient onderzoek uitgevoerd te worden volgens, door de SIKB, vastgestelde beoordelingsrichtlijnen. In de rapportage wordt, indien van toepassing, expliciet vermeld welke werkzaamheden niet zijn uitgevoerd onder de beoordelingsrichtlijnen en onderliggende protocollen, inclusief de consequenties hiervan.

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1 Inleiding

1.1 Algemeen

TenneT TSO B.V. is voornemens het hoogspanningsstation te Eibergen (aan de Needseweg) uit te breiden om ook in de toekomst aan de elektriciteitsvraag te kunnen blijven voldoen. Tennet TSO B.V. heeft Sweco gevraagd voor het uitvoeren van een aantal conditionerende onderzoeken, waaronder een verkennend bodemonderzoek uitgevoerd ter plaatse van het perceel op het adres Needseweg 18 te Eibergen.
Het verkennend bodemonderzoek is gebaseerd op de volgende onderzoeksnormen:

- NEN 5725:2017 nl – Bodem – Landbodem – Strategie voor het uitvoeren van milieuhygiënisch vooronderzoek.
- NEN 5740:2009+A1:2016 nl – Bodem -Landbodem – Strategie voor het uitvoeren van verkennend bodemonderzoek – Onderzoek naar de milieuhygiënische kwaliteit van bodem en grond.

De regionale ligging van de onderzoekslocatie is aangegeven in bijlage 1. Een overzicht van de locatie is weergegeven in bijlage 2.

1.2 Aanleiding en doelstelling

Aanleiding voor het uitvoeren van het verkennend bodemonderzoek is het aanpassen van het transformatorstation. In verband hiermee is inzicht in de milieuhygiënische kwaliteit van de bodem (grond en grondwater) noodzakelijk.

Doel van het onderzoek is het vaststellen van de milieuhygiënische bodemkwaliteit van de onderzoekslocatie en de eventueel daaruit vrijkomende grond. Op basis van de onderzoeksresultaten moet worden vastgesteld of de gewenste vorm van bodemgebruik, vanuit milieuhygienisch oogpunt gezien, mogelijk is en zo niet, welke vervolgacties noodzakelijk zijn.

1.3 Opbouw van het rapport

In het voorliggende rapport komen de volgende aspecten aan de orde:

- het vooronderzoek en vaststelling onderzoekshypothese (hoofdstuk 2);
- het uitgevoerde veldonderzoek (hoofdstuk 3);
- het laboratoriumonderzoek (hoofdstuk 4);
- de resultaten van het onderzoek (hoofdstuk 5);
- de interpretatie van alle resultaten, conclusie en advies (hoofdstuk 6).

De bijlagen maken onlosmakelijk deel uit van deze rapportage.

2 Vooronderzoek

2.1 Algemeen

Voor het vooronderzoek is aangesloten bij de strategie voor aanleiding A 'Opstellen hypothese over de milieuhygienische bodemkwaliteit ten behoeve van uit te voeren bodemonderzoek'. uit de NEN 5725. Ten behoeve van het vooronderzoek, moeten antwoorden verkregen worden op de onderzoeksvragen, zoals benoemd in de NEN 5725. De hiervoor verzamelde feiten zijn per onderzoeksvraag opgesomd in bijlage 3.

De gebruikte informatiebronnen voor het vooronderzoek zijn eveneens in bijlage 3 weergegeven. Deze informatiebronnen zijn volgens ons voldoende betrouwbaar en volledig om, in relatie tot de aard van de onderzoekslocatie, een uitspraak te kunnen doen over de verdenking van bodemverontreiniging.

Het vooronderzoek resulteert in een hypothese over de aard en verdeling van mogelijke verontreinigingen in het onderzoeksgebied. De hypothese wordt gebruikt voor het bepalen van de onderzoeksstrategie.

2.2 Onderzoekslocatie

Op de onderzoekslocatie bevindt zich een transformatorveld met portalen en een hoogspanningsmast.

In tabel 2-1 zijn de locatiegegevens samengevat.

Tabel 2-1: Overzicht locatiegegevens

Adres locatie	Needseweg 18 te Eibergen
Kadastrale gegevens locatie	Eibergen Gelderland AA 89
Eigenaar locatie	TenneT TSO
Coördinaten	X: 240733, Y: 459532
Lengte locatie (in m)	75
Breedte locatie (in m)	60
Oppervlakte locatie (in m²)	3435
waarvan bebouwd (in m²)	275
Huidig gebruik	Transformatorstation
Verhardingen	Onverhard

2.3 Resultaten locatiebezoek

Het locatiebezoek is uitgevoerd door de heer R. Diekstra van Sweco Nederland B.V. op 20 januari 2021. Een locatiebezoek betreft een inspectie van de locatie gericht op het huidige gebruik, kenmerken die kunnen duiden op bodemverontreiniging en het vaststellen van de mogelijke aanwezigheid van asbest. Tijdens het locatiebezoek zijn het maaiveld en de daarop aanwezige bouwwerken en objecten indicatief geïnspecteerd. De bevindingen van het locatiebezoek zijn in tabel 2-2 samengevat.

Tabel 2-2: Bevindingen locatiebezoek

Gebouwen	Op het terrein staan gebouwen van het transformatorstation
Verhardingen	Onverhard
Watergangen	Niet aanwezig
Onderhoud	Goed
Ondergrondse infrastructuur	Aanwezig. Zie klic-melding
Maaiveldveranderingen	Niet waargenomen
Aanwezigheid puin	Niet waargenomen
Aanwezigheid plastics	Niet waargenomen
Aanwezigheid piepschuim	Niet waargenomen
Asbestverdacht materiaal	Niet waargenomen
Asbesthoudende toepassingen	Op beide bestaande installaties
Aangrenzende locaties	Groenstroken en weiland, ten zuiden een opslag van bouwmaterieel.

2.4 Conclusies vooronderzoek

De gegevens die verzameld zijn, geven de volgende conclusies over de beÏnvloeding van de bodem en de verwachting van de bodemkwaliteit:

- In de jaren ’70 is het transformatorstation aangelegd.
- Op het aangrenzende perceel ten oosten van de onderzoekslocatie is in 2020 een verhoog gehalte PCB in de bovengrond aangetoond. In het grondwater is een concentratie barium boven de streefwaarde aangetoond.
- Uit de resultaten blijkt dat de bovengrond van het aangrenzende perceel op basis van PFAS geclassificeerd wordt als ‘Altijd toepasbaar’.

Op basis van dit onderzoek wordt verwacht dat de bodemkwaliteit op het kadastrale onderzoeksperceel voldoet aan de Achtergrondwaarde.

2.5 Onderzoekshypothese en -strategie

Op basis van de resultaten van het vooronderzoek, zoals beschreven in bijlage 3 en paragraaf 2.5, is in tabel 2-3 de locatie met hypotheses gedefinieerd.

Tabel 2-3: Hypothese en onderzoeksstrategie

Locatie	Oppervlakte (m^2)	Bodemlaag (m -mv)	Hypothese	Strategie
Gehele locatie	Ca. 3435	0,0 – 1,0	Verdacht i.v.m. transformatorgebouwen Incl. asbest bij puinhoudende grond	NEN 5740: (VED-HE-NL) NEN 5707: (VED-HE)

De invulling van de onderzoeksstrategie wordt gegeven in hoofdstuk 3.

3 Veldonderzoek

3.1 Onderzoeksstrategie

De onderzoeksstrategieën zijn ingevuld, zoals in tabel 3-1 beschreven:

Tabel 3-1: Uitgevoerd veldwerk

Locatie	Bodemlaag (m -mv)	Oppervlakte (m^2)	Strategie	Veldwerk					
				Boring bovengrond		Boring ondergrond		Boring met peilbuis	
				Aantal	Diepte (m -mv)	Aantal	Diepte (m -mv)	Aantal	Diepte (m -mv)
Gehele locatie	0,0 – 2,0	Ca. 3435	NEN 5740: VED-HE-NL	15	0,5 - 0,70	3	2,0	1	2,50

Het veldwerk is uitgevoerd door Sweco Nederland B.V. (certificaatnummer: VB-083/3) op 20 en 27 januari 2021. Het veldwerk (vanaf acceptatie van de opdracht voor het veldwerk tot en met de overdracht van de veld-gegevens, veldwerkrapportage en monsters aan Sweco Nederland B.V.) is verricht onder de beoordelingsrichtlijn BRL SIKB 2000 (Veldwerk bij milieuhygiënisch bodem- en waterbodemonderzoek) en de bijbehorende protocollen 2001 en 2002 (zie bijlage 8). De naam van de uitvoerende persoonlijk erkende veldwerker is tevens opgenomen bij de profielbeschrijvingen in bijlage 4.

De locaties van de boringen en de peilbuis zijn weergegeven in bijlage 2. De boorlocaties zijn bepaald aan de hand van de bevindingen van het vooronderzoek.

Op basis van de resultaten van het vooronderzoek is besloten de werkzaamheden uit te voeren zonder veiligheidsmaatregelen omdat geen gehalten boven het risico-niveau worden verwacht.

Bij de uitvoering van het veldwerk zijn de volgende afwijkingen van de NEN 5740 en NEN 5707 opgetreden:

- Tijdens de uitvoering van het veldwerk is geen bijmenging met puin waargenomen. Derhalve is de bodem niet onderzocht op een verontreiniging met asbest.
- Aanvullend op de onderzoeksinspanning vanuit de NEN 5740 zijn vier extra boringen geplaatst ten behoeve van een gelijkmatige verdeling van de boringen.

3.2 Visuele beoordeling grond

Uitvoering

Bij het verrichten van boringen en het graven van gaten is de grond visueel geinspecteerd op grondsoorten, bodemvreemde bijmengingen en afwijkende kenmerken. De boringen zijn beschreven in boorprofielen, weergegeven in bijlage 4.

Zintuiglijke waarnemingen

De resultaten van de visuele inspectie cq de zintuiglijke waarnemingen in de grond zijn opgenomen in tabel 3-2.

Tabel 3-2: Resultaten visuele inspectie en zintuiglijke waarnemingen

Boringnummer	Maximale boordiepte (m -mv)	Diepte (m -mv)	Grondsoort	Zintuiglijke waarneming
B02	2,00	0,00 - 0,20	Zand	kooldeeltjes en slakken
B03	2,00	0,00 - 0,20	Zand	kooldeeltjes en slakken
B04	2,00	0,00 - 0,20	Zand	kooldeeltjes en slakken
B05	0,75	0,00 - 0,25	Zand	kooldeeltjes en slakken
B06	0,75	0,00 - 0,25	Zand	kooldeeltjes en slakken
B07	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B08	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B09	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B10	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B11	0,75	0,00 - 0,25	Zand	kooldeeltjes en slakken
B12	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B13	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B14	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B15	0,70	0,00 - 0,20	Zand	kooldeeltjes en slakken
B16	0,75	0,00 - 0,25	Zand	kooldeeltjes en slakken

Bemonstering
De opgeboorde en opgegraven grond is bemonsterd per 0,5 m of per te onderscheiden bodemlaag.

3.3 Grondwateronderzoek

Uitvoering
Na plaatsing van de peilbuis is minimaal een week wachttijd in acht genomen om de evenwichtsituatie in de bodem te herstellen. Bij de bemonstering zijn de volgende werkzaamheden verricht:

- het opnemen van de grondwaterstand in de peilbuis.
- het bepalen van de zuurgraad (pH), het elektrisch geleidingsvermogen (Ec) en de troebelheid (NTU) van het grondwater.
- het nemen van grondwatermonsters uit de peilbuis.

Hierbij is geen afwijking van protocol 2002 opgetreden.

Veldmetingen en zintuiglijke waarnemingen
In tabel 3-3 zijn de resultaten van de veldmetingen van het grondwater weergegeven.

Tabel 3-3: Resultaten veldmetingen grondwater

Peilbuis	Filterstelling (m -mv)	pH (-)	Ec (µS/cm)	NTU	Grondwaterstand (m -mv)	Bijzonderheden
B01	1,50 - 2,50	5,6	960	0,9	1,0	Geen

Een eventueel afwijkende zuurgraad (pH), geleidingsvermogen (EC) of troebelheid (NTU, Nephelometric Turbidity Units) in het grondwater kan een indicator zijn voor de aanwezigheid van verontreinigende stoffen. Bij een troebelheid >10 moet rekening worden gehouden met de mogelijkheid dat de concentraties aan relatief zware organische verbindingen beïnvloed zijn door de troebelheid van het water. De gemeten waarden liggen ruim onder de 10 waardoor verwacht wordt dat de NTU geen invloed heeft op de analyseresultaten. De in tabel 3-3 weergegeven waarden voor de zuurgraad en het elektrisch geleidingsvermogen worden niet als afwijkend beschouwd.

4 Laboratoriumonderzoek

Op basis van de grondsoort en zintuiglijke waarnemingen zijn monsters geselecteerd voor analyse op het het standaardpakket grond en het standaardpakket grondwater. De monsterselectie is opgenomen in tabel 4-1.

Tabel 4-1: Monsterselectie

Monster	Monstertraject (m -mv)	Deelmonsters	Analysepakket	Motivatie
MM BG Noord	0,00 - 0,25	B08, B11, B12, B15	PFAS (30) advieslijst 12 juli	Bepaling PFAS gehalte bovengrond
MM BG Noord	0,00 - 0,25	B08, B11, B12, B15	Standaardpakket incl. lu/os	Bepaling milieuhygiënische kwaliteit bovengrond
MM BG Zuid	0,00 - 0,25	B04, B06, B07, B16	Standaardpakket incl. lu/os	Bepaling milieuhygiënische kwaliteit bovengrond
MM OG	0,20 - 0,70	B02, B03, B04	Standaardpakket incl. lu/os	Bepaling milieuhygiënische kwaliteit ondergrond
MM BG Mast	0,00 - 0,35	B01, B17, B18, B19	Standaardpakket incl. lu/os	Bepaling milieuhygiënische kwaliteit bovengrond
B01-1-1	1,50 - 2,50	Peilbuis B01	Standaardpakket grondwater	Bepaling milieuhygiënische kwaliteit grondwater

Het standaardpakket grond bestaat uit zware metalen, polycyclische aromatische koolwaterstoffen (PAK), PCB's en minerale olie. De grondmonsters zijn tevens geanalyseerd op organische stof en lutum, ten behoeve van de toetsing.

Omdat mogelijk sprake is van grond dat elders toegepast moet worden, zijn de grondmonsters ook geanalyseerd op het zogenaamde RWS-pakket. Dit pakket bestaat uit 30 verschillende poly- en perfluoralkylstoffen (PFAS)-verbindingen en is voorgeschreven in het ''Tijdelijke handelingskader voor hergebruik van PFAS-houdende grond en baggerspecie'' (Ministerie I&W, 29 november 2019).

Het grondwatermonster uit de geplaatste peilbuis is geanalyseerd op het standaardpakket grondwater, bestaande uit zware metalen, vluchtige aromaten, vluchtige chloorkoolwaterstoffen en minerale olie.

De geselecteerde monsters zijn in het laboratorium van Synlab Analytics & Services B.V. geanalyseerd. De analyses zijn uitgevoerd conform de bijbehorende protocollen, vallend onder het accreditatieschema van de AS 3000 richtlijn. De analysecertificaten van Synlab met de resultaten van het laboratoriumonderzoek en een toelichting op de toegepaste analysemethoden zijn weergegeven in bijlage 5.

5 Resultaten bodemonderzoek chemische parameters

5.1 Toetsingskader

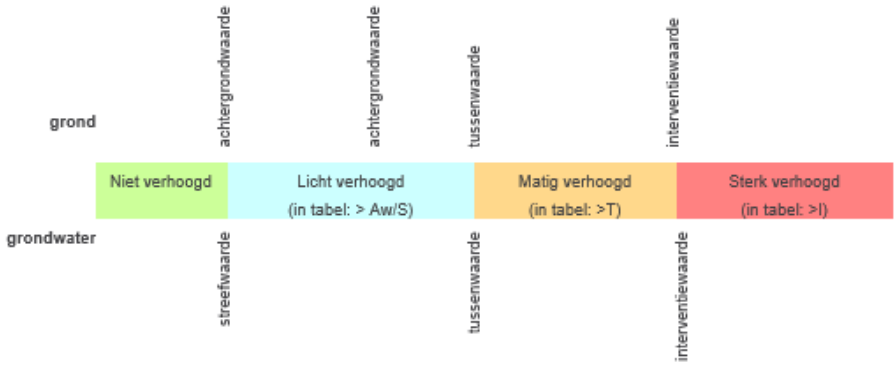
Voor de bepaling of en in welke mate bodemverontreiniging aanwezig is, zijn toetsingswaarden opgenomen in de Circulaire bodemsanering 2013. De analyseresultaten zijn getoetst aan de toetsingswaarden uit deze circulaire.

Voor de toepassing van grond gelden de toetsingswaarden in de Regeling bodemkwaliteit, behorend bij het Besluit Bodemkwaliteit. Middels deze toetsing wordt de grond ingedeeld in een hergebruiksklasse.

De toetsingsresultaten zijn weergegeven in bijlage 6. Een toelichting op het toetsingskader is opgenomen in bijlage 7 bij dit rapport.

5.2 Mate van bodemverontreiniging

De resultaten van de toetsing ter bepaling van de mate van bodemverontreiniging, zijn samengevat in de tabellen 5-1 en 5-2. Hierbij zijn alleen de gehalten weergegeven die de toetsingswaarden overschrijden. De toetsingsmogelijkheden zijn als volgt:



Tabel 5-1: Overschrijdingen van de toetsingswaarden grondmonsters (Circulaire bodemsanering)

Monster	Monstertraject (m -mv)	Boringnummers	> AW	> T	> I
MM BG Noord	0,00 - 0,25	B08 (0,00 - 0,20) B11 (0,00 - 0,25) B12 (0,00 - 0,20) B15 (0,00 - 0,20)	Kobalt Nikkel	-	-
MM BG Zuid	0,00 - 0,25	B04 (0,00 - 0,20) B06 (0,00 - 0,25) B07 (0,00 - 0,20) B16 (0,00 - 0,25)	PCB (som 7) Kobalt Nikkel	-	-
MM BG Mast	0,00 - 0,35	B04 (0,00 - 0,20) B06 (0,00 - 0,25) B07 (0,00 - 0,20) B16 (0,00 - 0,25)	PCB (som 7)	-	-

Tabel 5-2: Overschrijdingen van toetsingswaarden grondwatermonsters (Circulaire bodemsanering)

Peilbuis	Filterstelling (m -mv)	> S	> T	> I
B01	1,50 - 2,50	Koper Barium	-	-

> AW/S : overschrijding van de achtergrondwaarde/streefwaarde
> T : overschrijding van de tussenwaarde
> I : overschrijding van de interventiewaarde
- : geen overschrijding

5.3 Hergebruik van grond

5.3.1 PFAS

De resultaten van de toetsing ter bepaling van de hergebruiksmogelijkheden, zijn samengevat in tabel 5-3. De hergebruiksmogelijkheden zijn als volgt:

	PFOA 1,4 µg/kg ds PFOS 1,9 µg/kg ds Overige 1,4 µg/kg ds	PFOA 7 µg/kg ds PFOS 3 µg/kg ds Overige PFAS 3 µg/kg ds	
PFAS	klasse landbouw/natuur	klasse wonen en industrie	Niet toepasbaar

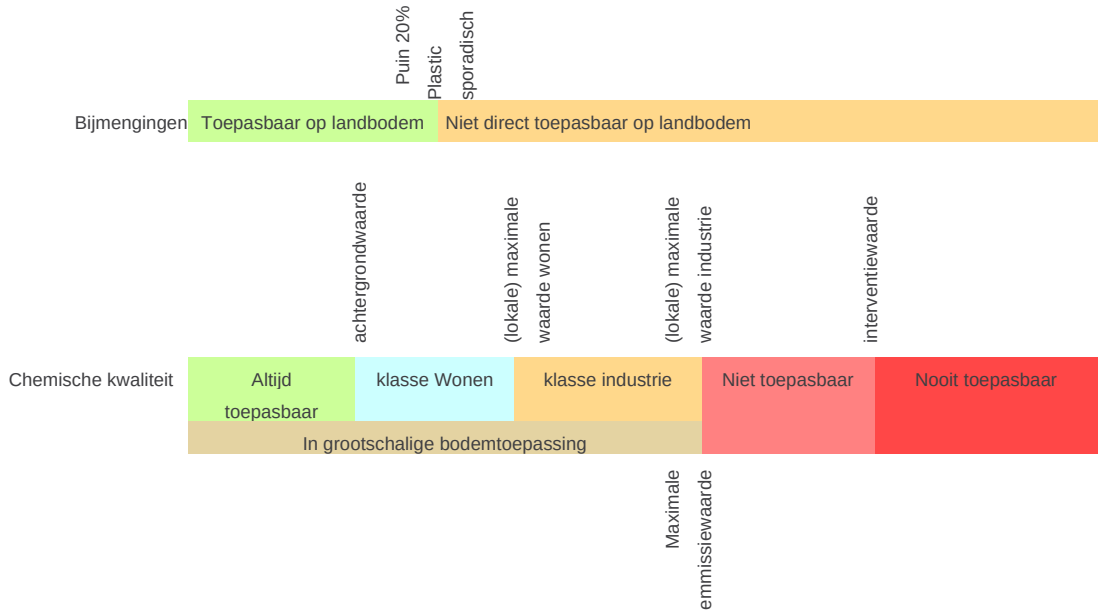
Tabel 5-3: Indicatieve toetsing hergebruiksklasse op basis van PFAS

Locatie	Monster	Monstertraject (m -mv)	PFOA (µg/kg ds)	PFOS (µg/kg ds)	Overige PFAS (µg/kg ds)	Oordeel
Normen:	*Achtergrondwaarde*		*1,4*	*1,9*	1,4	
	Toepassingswaarde wonen/industrie		*7*	*3*	3	
Gehele locatie	MM BG Noord	0,00 - 0,25	0,36	0,18	-	landbouw/natuur

- : geen gehaltes boven de detectiegrens

5.3.2 Overige parameters

De resultaten van de toetsing ter bepaling van de hergebruiksklasse, zijn samengevat in tabel 5-4. De hergebruiksklassen zijn als volgt:



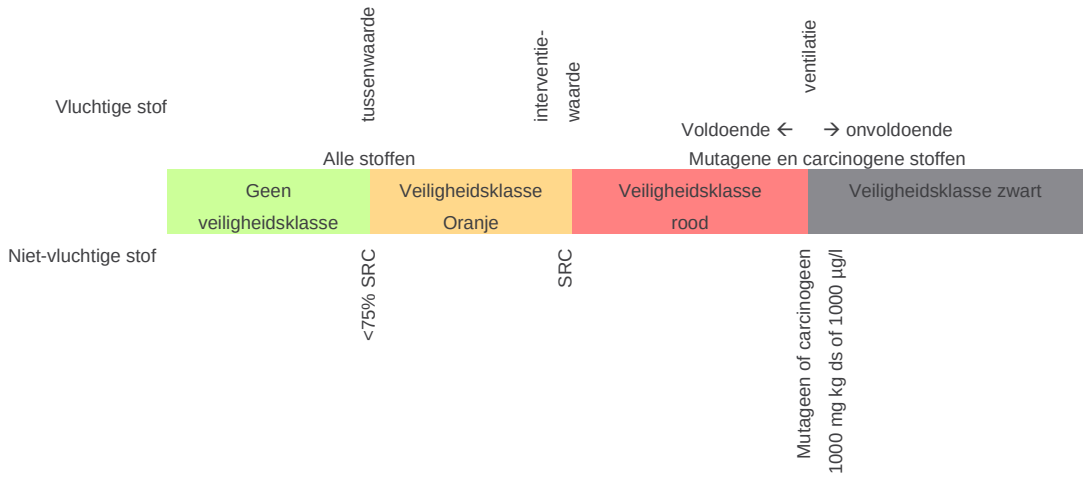
Tabel 5-4: Overschrijdingen van de toetsingswaarden grondmonsters (Besluit bodemkwaliteit)

Monster	Monstertraject (m -mv)	Boringnummers	> AW	> MWw	> MWi	Oordeel*
MM BG Noord	0,00 - 0,25	B08 (0,00 - 0,20) B11 (0,00 - 0,25) B12 (0,00 - 0,20) B15 (0,00 - 0,20)	-	Kobalt	Nikkel	Klasse industrie
MM BG Zuid	0,00 - 0,25	B04 (0,00 - 0,20) B06 (0,00 - 0,25) B07 (0,00 - 0,20) B16 (0,00 - 0,25)	-	Kobalt Nikkel	-	Klasse industrie
MM OG	0,00 - 0,70	B02 (0,20 - 0,70) B03 (0,20 - 0,70) B04 (0,20 - 0,60)	-	-	-	Altijd toepasbaar
MM BG Mast	0,00 - 0,35	B01 (0,00 - 0,30) B17 (0,00 - 0,35) B18 (0,00 - 0,20) B19 (0,00 - 0,25))			PCB (som 7)	Klasse industrie

> AW : overschrijding van de achtergrondwaarde
> MWw : overschrijding van de maximale waarde wonen
> MWi : overschrijding van de maximale waarde industrie
- : geen overschrijding
** : het betreft hier het oordeel voor ontvangende bodem/ toe te passen grond.*

5.4 Veiligheidsklasse

De resultaten, zoals weergegeven in de vorige paragraaf, zijn getoetst aan de veiligheidsnormen. De toetsingsmogelijkheden zijn als volgt:



Met behulp van de rekentool van CROW 400 is vastgesteld dat ter plaatse van de deellocaties geen veiligheidsklasse (basishygiëne) van toepassing is op basis van de chemische parameters.

6 Interpretatie onderzoeksresultaten

6.1 Verontreinigingssituatie

Navolgend wordt de verontreinigingssituatie van de locatie besproken.

In de bovengrond zijn zintuiglijk bijmengingen met kooldeeltjes en slakken waargenomen. Een uitzondering hierop is de bovengrond ter plaatse van mast 21: hier zijn geen bodemvreemde bijmengingen waargenomen.

In de bovengrond (bodemtraject: 0,0 – 0,25 m -mv) zijn licht verhoogde gehalten aan kobalt, nikkel en PCB aangetoond. De bovengrond voldoet aan bodemkwaliteitsklasse ”Industrie”.

In de ondergrond (bodemtraject: 0,20 – 0,70 m -mv) zijn geen verhoogde gehalten aangetoond. De ondergrond voldoet aan bodemkwaliteitsklasse ”Altijd toepasbaar”.

In het grondwater zijn licht verhoogde concentraties aan koper en barium aangetoond.

Op basis van de anlysesresultaten blijkt dat de grond met betrekking tot PFAS voldoet aan bodemkwaliteitsklasse ”landbouw / natuur”.

6.2 Noodzaak tot vervolgonderzoek

Of vervolgonderzoek nodig is, is afhankelijk van de toetsing van de onderzoekshypothes en de mate van bodemverontreiniging.

In tabel 6-1 is de noodzaak tot vervolgonderzoek beoordeeld voor de chemische parameters.

Tabel 6-1: Noodzaak vervolgonderzoek chemische parameters

Locatie	Hypothese	Correct?	Verkennend onderzoek met nieuwe hypothese nodig?	Nader onderzoek nodig?
Gehele locatie	Verdacht	Ja, want verhoogde gehalten	nee, onderzoeksinspanning voldoende	Nee, want in de grond zijn maximaal licht verhoogde gehalten aangetoond

6.3 Hergebruik van grond

Als de bodemkwaliteit zoals vastgesteld met het voorliggende bodemonderzoek overeenkomt of beter is dan de bodemkwaliteit zoals vastgelegd in de gemeentelijke bodemkwaliteitskaart (Bkk), dan vormt de gemeentelijke bodemkwaliteitskaart het erkende bewijsmiddel voor hergebruik van grond. Bij een afwijkende slechtere kwaliteit is voorafgaande aan hergebruik een partijkeuring nodig om een erkend bewijsmiddel te verkrijgen.

Hergebruik binnen de grenzen van het gebied is mogelijk zolang de interventiewaarde niet wordt overschreden.

Los van de analytische samenstelling, gelden ook restricties ten aanzien van de hoeveelheid bodemvreemd materiaal in de toe te passen partij grond. In de Regeling bodemkwaliteit staat een grens van 20% aangegeven voor puin en puinachtige bijmengingen. Voor plastics en piepschuim geldt dat deze sporadisch of in niet redelijkerwijs verwijderbare stukjes mogen voorkomen in de toe te passen partij.

In tabel 6-2 wordt aangegeven wat de hergebruiksmogelijkheden van de onderzoekslocatie is. Hierbij is uitgegaan van de gemiddelde kwaliteit van de bovengrond tot 0,5 m -mv en de ondergrond van 0,5-2,0 m -mv.

Tabel 6-2: Hergebruiksklasse

Locatie	**Hergebruiksklasse bovengrond volgens:**		**Conclusie**	**Hergebruiksklasse ondergrond volgens:**		**Conclusie**	**Hergebruik binnen project**
	Dit rapport	**Bodem-kwaliteits-kaart**		**Dit rapport**	**Bodem-kwaliteits-kaart**		
Gehele locatie	Industrie, <20%	Achtergrond-waarde	hergebruik mogelijk met dit rapport en bodemkwaliteit skaart als bewijsmiddel	Achtergrond-waarde, <20% bijmenging	Achtergrond-waarde	Hergebruik mogelijk met dit rapport en bodemkwaliteit skaart als bewijsmiddel	Ja

6.4 Veiligheidsaspecten

In de navolgende tabel wordt aangegeven welke veiligheidsklasse van toepassing is.

Tabel 6-3 Veiligheidsklasse

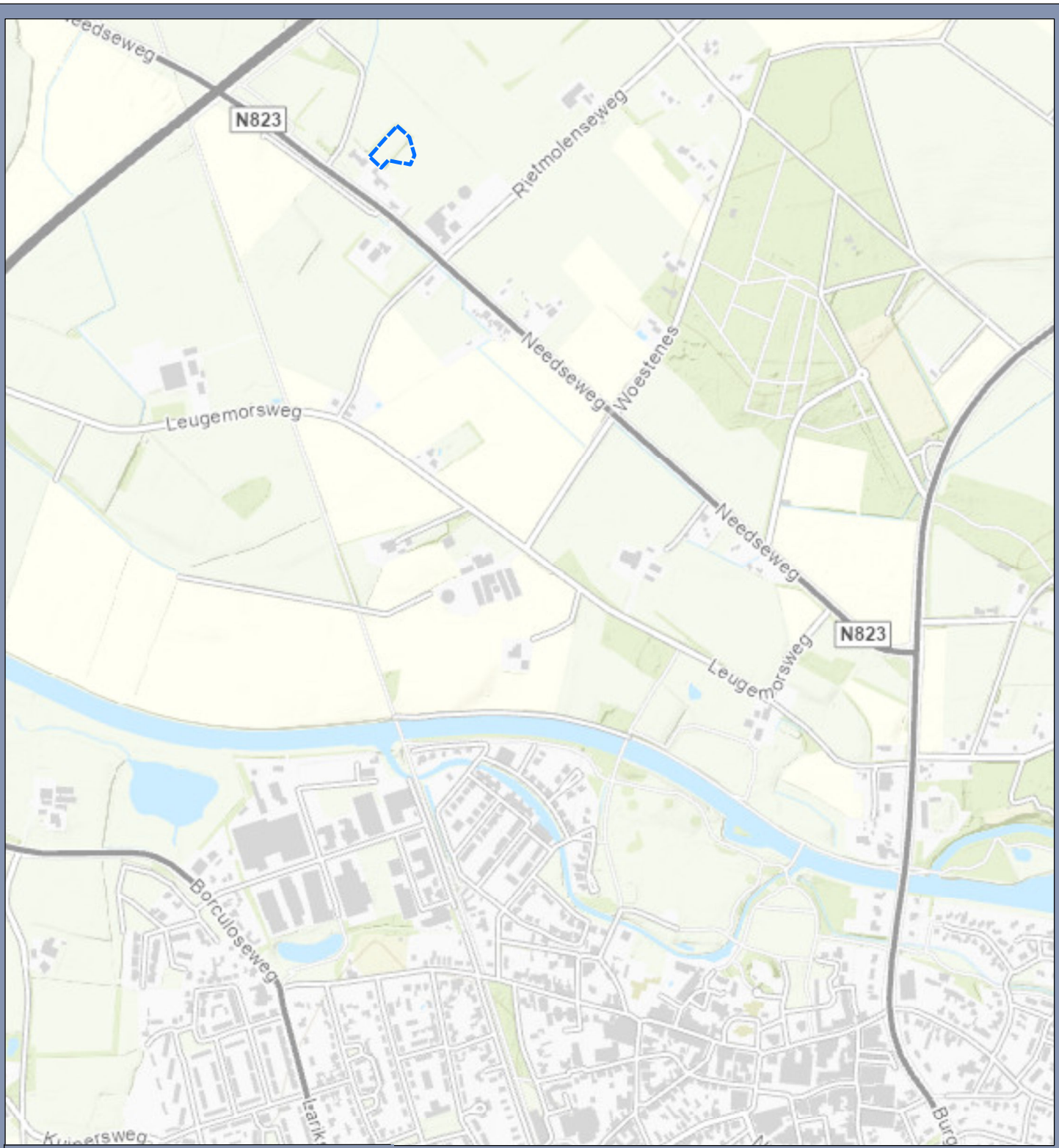
Locatie	**Bodemlaag (m -mv)**	**Veiligheidsklasse**
Gehele locatie	0,0 – 2,0	Geen

6.5 Conclusie en advies

In boven- en ondergrond zijn maximaal lichte verontreinigingen aangetoond. Tijdens het vervangen van de velden van het transformatorstation kunnen de grondwerkzaamheden uitgevoerd worden zonder veiligheidsklasse (basishygiëne). De vrijkomende grond kan hergebruikt worden op het terrein of afgevoerd worden naar elders.

Bodemonderzoek wordt in beginsel steekproefsgewijs uitgevoerd. Ondanks het feit dat Sweco Nederland B.V. bij de uitvoering van deze werkzaamheden aansluit bij landelijke kwaliteitsrichtlijnen en regelgeving, maakt het steekproefsgewijze karakter van het onderzoek het niet mogelijk om garanties af te geven ten aanzien van een eventueel beschreven verontreinigingssituatie. Sweco Nederland B.V. accepteert dan ook geen aansprakelijkheid ten aanzien van mogelijke beslissingen die de opdrachtgever of derden naar aanleiding van het door Sweco Nederland B.V. uitgevoerde bodemonderzoek nemen.

Bijlage 1 Topografische ligging onderzoekslocatie



Legenda

Locatiecontour

Topografische ligging

Tennet 110 kV station Eibergen

Opdrachtgever: TenneT TSO
Projectnummer: 377076

SWECO

Status: Definitief
Datum: 11-2-2021
Schaal: 1:10.000
Formaat: A4

Getekend: MH - Gecontroleerd: WN

0 100 200 300 400 500 meter

N

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P:\240\377076_Station_Eibergen\2. Do Work\Milieu bodem\GIS\GIS_Eibergen.mxd 11-2-2021 11:19:04

Bijlage 2 Situatie met boringen en peilbuis

Legenda

- Boring tot 0,5 m-mv
- Boring tot 2,0 m-mv
- Peilbuis
- Locatiecontour

Locatie boorpunten

Tennet 110 kV station Eibergen

Opdrachtgever: TenneT TSO
Projectnummer: 377076

SWECO

Status: Definitief
Datum: 20-1-2021
Schaal: 1:500
Formaat: A4

Getekend: MH - Gecontroleerd: WN

0 5 10 15 20 25 meter

N

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C:\Users\NLMAHX\Desktop\GIS\GIS_Eibergen.mxd 20-1-2021 08:09:30

Bijlage 3 Verzamelde gegevens

Conform NEN 5725 – Aanleiding A "Opstellen hypothese over de milieuhygienische bodemkwaliteit ten behoeve van uit te voeren bodemonderzoek".

Onderzoeksvraag : Wat is de afbakening van het onderzoeksgebied?	
Eigendomssituatie	Informatiebron: Kadaster
Tennet	
Oppervlakte en afbakening onderzoeksgebied	Informatiebron: Opdrachtgever
Oppervlakte kadastrale perceel: 3435 m^2 Afbakening onderzoeksgebied ten behoeve van vooronderzoek = kadastrale perceel + 25 m	

Onderzoeksvraag: Wat is de bodemopbouw en geohydrologie en is er binnen het onderzoeksgebied sprake van verschillende fysische kwaliteiten en/of bodemvreemde lagen? Zo ja, welke fysische kwaliteiten en/of bodemvreemde lagen zijn er en waar bevinden deze zich?	
Bodemtype	Informatiebron:www.dinoloket.nl
0,0 – 20,0: Zand (formatie van Boxtel, Sterksel, Peize, Waalre en Breda)	
Antropogene lagen in de bodem	
Ophogingen en bodemvreemde lagen	Informatiebron: Eigenaar, www.ahn.nl.
Niet te herleiden uit de hoogtekaart en niet aangegeven door opdrachtgever	
Dempingen en oude wegen	Informatiebron: www.topotijdreis.nl
Er zijn geen slootdempingen en/of oude wegen waargenomen.	
Geohydrologie	
Grondwaterstand: Ca. 1,3 m -mv	Informatiebron: Opdrachtgever
Drainage: Onbekend	Informatiebron: XX
Bemaling: Onbekend	
Onttrekking: Onbekend	
Infiltratie: Onbekend	
Grondwaterstand: Ca. 1,3 m -mv	Informatiebron: Opdrachtgever

Onderzoeksvraag: Wordt op de locatie of een deel daarvan (een geval van ernstige) bodemverontreiniging vermoed? Zo ja, waar bevindt deze zich?	
Geval van bodemverontreiniging?	Informatiebron: Bodematlas provincie Gelderland
Niet bekend	
Zo ja, geval van ernstige bodemverontreiniging?	
Niet bekend	
Op basis van bodemonderzoeken	Informatiebron: Bodematlas provincie Gelderland
Op het perceel staat een transformatorstation. De volgende onderzoeken zijn nabij de locatie uitgevoerd: In 2020 heeft Sweco Nederland B.V. een bodemonderzoek1 uitgevoerd op het aangrenzende perceel (oostelijk). Daarbij is in de bovengrond plaatselijk een licht verhoogd gehalte PCB aangetoond. In het grondwater is een concentratie barium boven de streefwaarde aangetoond. Gezien	

[1] *Verkennend bodemonderzoek Uitbreiding transformatorstation Needseweg 18 te Eibergen, Sweco Nederland B.V., kenmerk: SWNL0266763, .d.d. 12-10-2020*

de resultaten van het bijbehorende vooronderzoek is de verwachting dat deze overschrijding niet wordt veroorzaakt door antropogene activiteiten. Uit de resultaten blijkt dat de bovengrond op basis van PFAS geclassificeerd wordt als ‘Altijd toepasbaar’.

Op basis van deze onderzoeken wordt verwacht dat de bodemkwaliteit op het kadastrale onderzoeksperceel een lichte mate van beïnvloeding van de bodemkwaliteit kent.

Het tijdstip waarop, dan wel de periode waarbinnen de bodemverontreiniging (waarschijnlijk) is ontstaan?

Niet van toepassing

Onderzoeksvraag: Is er sprake van beïnvloeding vanuit de omgeving van de bodemkwaliteit of de kwaliteit van het grondwater? Zo ja, welke beïnvloeding en waar?

Op basis van bodemonderzoeken — Informatiebron: Bodematlas provincie Gelderland

Op basis van de beschikbare bodeminformatie wordt verwacht dat de bodemkwaliteit van het onderzoeksgebied niet beïnvloed is door de omgeving.

Onderzoeksvraag: Welke kwaliteitsklasse is toegekend aan de bodem in de bodemkwaliteitskaart en welke lagen zijn daarbij onderscheiden?

Kwaliteit obv bodemkwaliteitskaart — Informatiebron: Gemeentelijke nota bodembeheer met bodemkwaliteitskaart

Verwachte bodemkwaliteit bovengrond:	Achtergrondwaarde
Verwachte bodemkwaliteit ondergrond:	Achtergrondwaarde
Ontgravingsklasse bovengrond:	Achtergrondwaarde
Ontgravingsklasse ondergrond:	Achtergrondwaarde
Toepassingsklasse bovengrond:	Achtergrondwaarde
Toepassingsklasse ondergrond:	Achtergrondwaarde

Is er sprake van gebiedsgerichte beleid? — Informatiebron: X

Niet van toepassing

Onderzoeksvraag: Is er sprake van potentiële bronnen van bodemverontreiniging, zowel vanuit het verleden als het heden? Zo ja, wat zijn de potentiële bronnen van bodemverontreiniging, waar liggen ze en wat zijn verdachte parameters?

Voormalig — Informatiebron: www.topotijdreis.nl

Bodemgebruik in het verleden op het perceel en in de omgeving

Tot de jaren ’70 is het perceel gebruikt voor de landbouw. Vanaf de jaren ’70 staat het trafostation op het perceel.

Bedrijfsactiviteiten of ondergrondse tanks in het verleden op het perceel en in de omgeving

Niet bekend

Overige verdachte activiteiten in het verleden op of nabij het perceel

Niet bekend

Huidig — **Informatiebron: opdrachtgever, www.topotijdreis.nl, Google Earth**

Huidig bodemgebruik op het perceel en in de directe omgeving

Het perceel wordt gebruikt als transformatorstation.

Aanwezigheid bebouwing of opslagplaatsen op het perceel

Op het terrein staan twee installaties

Aanwezigheid ondergrondse infrastructuur en objecten.

Aanwezig, met name kabels

Aanwezigheid verhardingen, paden en dergelijke.

Niet aanwezig

Aanwezigheid dammen

Niet waargenomen

Aanwezigheid brandplekken

Niet waargenomen

Toekomstig **Informatiebron: opdrachtgever**

In de toekomst wordt het transformatorstation aangepast.

Onderzoeksvraag: Is de bodem asbestverdacht?

Asbestverdacht **Informatiebron: X**

Asbestverdachte activiteiten aanwezig geweest op of nabij de locatie?

Bedrijven werkzaam met asbest	Nee
Stortplaatsen	Nee
Asbestbewerkingen tbv bouw	Onbekend
Toepassing van asbestrestproducten in wegen, dammen of dempingen	Onbekend
Historische ophogingen met asbesthoudende bodem/slib	Onbekend
Gebouwen met asbesthoudende materialen	Onbekend (mogelijk)
Asbesthoudende beschoeiingen langs waterkant	Nee
Asbesthoudende afperkingsschotten in (volks)tuinen	Nee
Glastuinbouw (asbestkit) aanwezig geweest	Nee
Ongewone voorvallen met asbest (bv brand)	Niet bekend
Aanwezigheid halfverhardingen	Onbekend
Aanwezigheid funderingslaag onder verhardingen	Onbekend
Stortingen asbestverdachte afvalstoffen	Niet voor zover bekend
Opslagdepots met puinhoudende grond	Nee
Op- en overslag van puin of puinbrekers	Nee
Met puin gedempte putten en sloten	Zie onder ''bodem en geohydrologie''

Asbest in en aan bouwwerken en ondergrondse objecten

Mogelijk. Het trafostation is gebouwd in de jaren '70

Onderzoeksaspect: Terreinverkenning d.d. 20 januari 2021 door de heer R. Diekstra van Sweco Nederland B.V.

Verhardingen, soort, dikte, fundering, oppervlakte

Niet aanwezig.

Puin op maaiveld

Puin op maaiveld aangetroffen? Zo ja, beschrijven en locatie aangeven op kaart.

Ten tijde van het veldwerk is geen puin op het maaiveld aangetroffen

Puintypering

Niet van toepassing

Puindatering

Toelichting:

Puin van vóór 1945, niet asbestverdacht

Puin uit 1945-1980, is asbestverdacht, mogelijk met gehalten boven 100 mg/kg ds

Puin uit 1980-1993/1995, is asbestverdacht, mogelijke gehalten tussen 10-100 mg/kg ds

Puin uit 1995-1998, is asbestverdacht, mogelijke gehalten vaak < 10 mg/kg ds

Puin na 1998, is niet asbestverdacht.

Niet van toepassing

Asbestverdacht materiaal aangetroffen op het maaiveld of op/aan gebouwen op de locatie of op aangrenzende percelen? Zo ja, beschrijven en locatie aangeven op kaart.

Niet aangetroffen

Algemene indruk van het terrein

Goed onderhouden

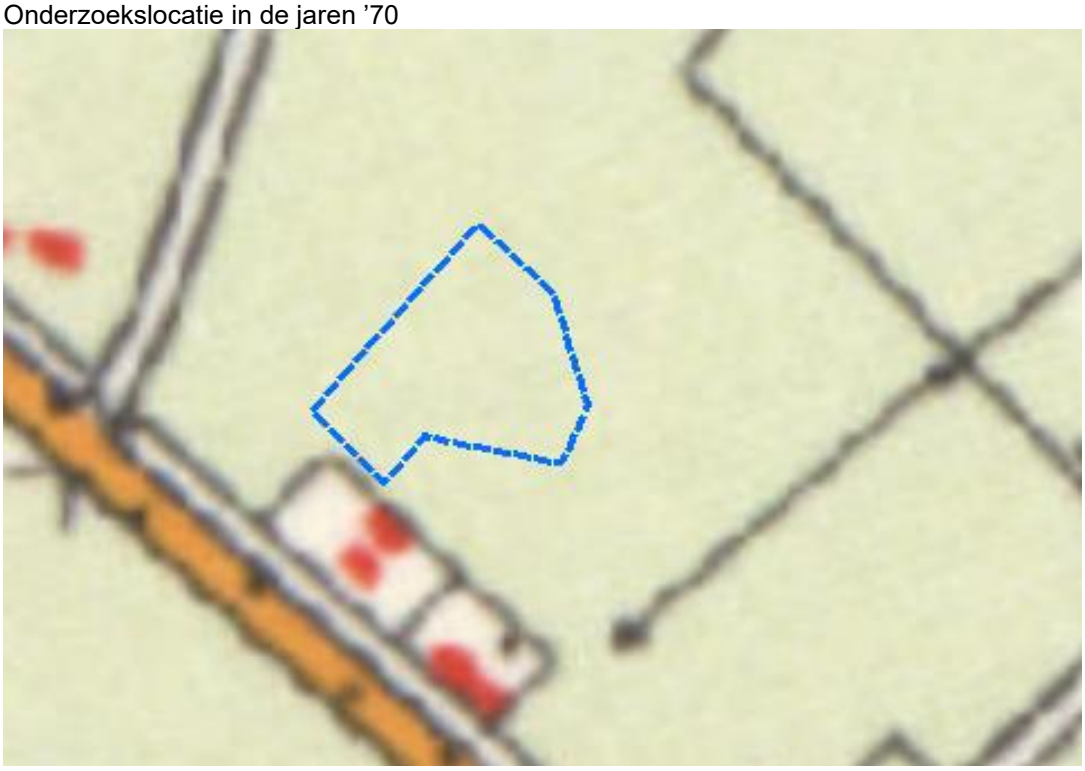
Afwijkingen van informatie uit dossiers, zo ja beschrijving.

Nee

Historisch kaartmateriaal

Onderzoekslocatie in de jaren ’50

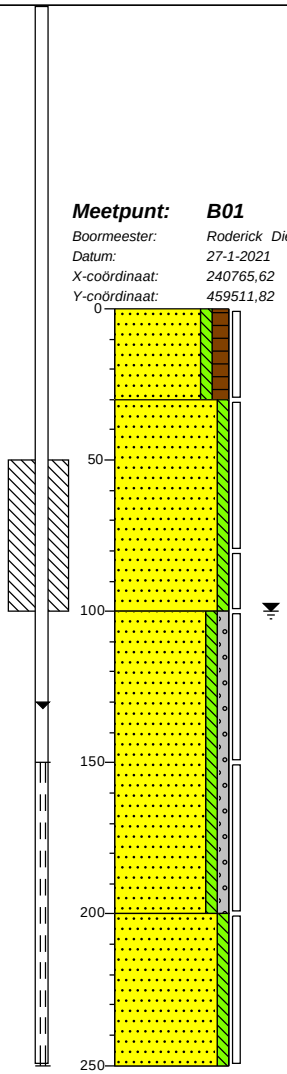
Onderzoekslocatie in de jaren ’70



Onderzoekslocatie in 2015

Bijlage 4 Boorprofielen

SWECO



Meetpunt: **B01**

Boormeester: *Roderick Diekstra*
Datum: *27-1-2021*
X-coördinaat: *240765,62*
Y-coördinaat: *459511,82*

0 weiland

Zand, matig fijn, zwak siltig, matig humeus, zwak wortelhoudend, donkerbruin

-30

Zand, matig fijn, zwak siltig, zwak roesthoudend, licht grijsbruin

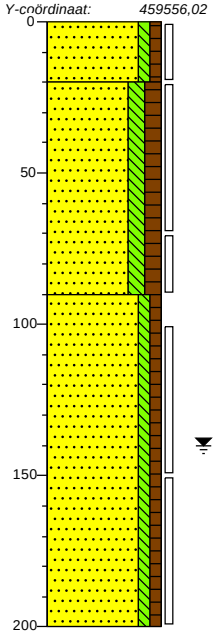
-100

Zand, matig grof, zwak siltig, zwak grindig, lichtgrijs

-200

Zand, matig fijn, zwak siltig, licht bruingrijs

-250



Meetpunt: **B02**

Boormeester: *Roderick Diekstra*
Datum: *20-1-2021*
X-coördinaat: *240752,61*
Y-coördinaat: *459556,02*

0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, matig kooldeeltjes houdend, matig slakhoudend, neutraal grijsbruin

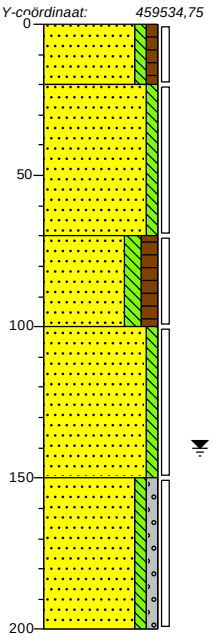
-20

Zand, zeer fijn, matig siltig, matig humeus, donkerbruin

-90

Zand, zeer fijn, zwak siltig, zwak humeus, neutraalbruin

-200



Meetpunt: **B03**

Boormeester: *Roderick Diekstra*
Datum: *21-1-2021*
X-coördinaat: *240731,64*
Y-coördinaat: *459534,75*

0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, matig kooldeeltjes houdend, matig slakhoudend, neutraal beigebruin

-20

Zand, matig fijn, zwak siltig, zwak roesthoudend, licht beigegrijs

-70

Zand, zeer fijn, matig siltig, matig humeus, donkerbruin

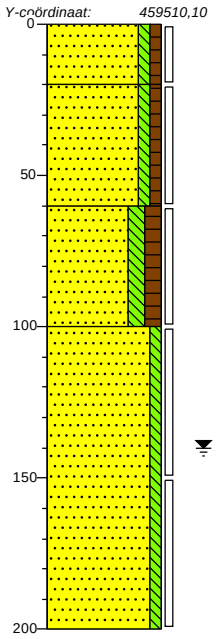
-100

Zand, zeer fijn, zwak siltig, licht beigegrijs

-150

Zand, matig fijn, zwak siltig, zwak grindig, lichtgrijs

-200



Meetpunt: **B04**

Boormeester: *Roderick Diekstra*
Datum: *20-1-2021*
X-coördinaat: *240712,43*
Y-coördinaat: *459510,10*

0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, sterk slakhoudend, zwak kooldeeltjes houdend, donker grijsbruin

-20

Zand, zeer fijn, zwak siltig, zwak humeus, zwak roesthoudend, licht beigegrijs

-60

Zand, zeer fijn, matig siltig, matig humeus, donkerbruin

-100

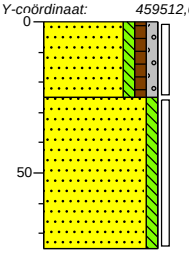
Zand, zeer fijn, zwak siltig, lichtgrijs

-200

SWECO

Meetpunt: B05

Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240709,34
Y-coördinaat: 459512,69



0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak grindig, zwak wortelhoudend, zwak kooldeeltjes houdend, zwak slakhoudend, neutraal grijsbruin

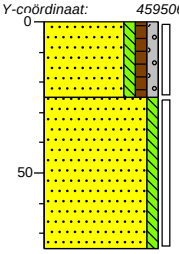
-25

Zand, zeer fijn, zwak siltig, zwak roesthoudend, licht beigebruin

-75

Meetpunt: B06

Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240715,59
Y-coördinaat: 459506,81



0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak grindig, zwak wortelhoudend, zwak kooldeeltjes houdend, zwak slakhoudend, neutraal grijsbruin

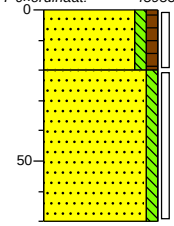
-25

Zand, zeer fijn, zwak siltig, zwak roesthoudend, licht beigebruin

-75

Meetpunt: B07

Boormeester: Roderick Diekstra
Datum: 21-1-2021
X-coördinaat: 240733,33
Y-coördinaat: 459530,28



0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, zwak kooldeeltjes houdend, zwak slakhoudend, neutraal beigebruin

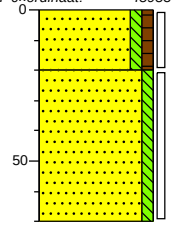
-20

Zand, matig fijn, zwak siltig, zwak roesthoudend, licht beigegrijs

-70

Meetpunt: B08

Boormeester: Roderick Diekstra
Datum: 21-1-2021
X-coördinaat: 240736,23
Y-coördinaat: 459534,02



0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, zwak slakhoudend, matig kooldeeltjes houdend, neutraal beigebruin

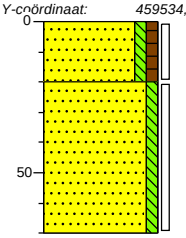
-20

Zand, matig fijn, zwak siltig, zwak roesthoudend, licht beigegrijs

-70

Meetpunt: B09

Boormeester: Roderick Diekstra
Datum: 21-1-2021
X-coördinaat: 240728,07
Y-coördinaat: 459534,62



0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, zwak slakhoudend, matig kooldeeltjes houdend, neutraal beigebruin

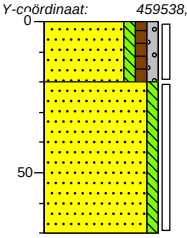
-20

Zand, matig fijn, zwak siltig, matig roesthoudend, licht roestbruin

-70

Meetpunt: B10

Boormeester: Roderick Diekstra
Datum: 21-1-2021
X-coördinaat: 240731,98
Y-coördinaat: 459538,31



0 gras

Zand, matig grof, zwak siltig, zwak humeus, zwak grindig, zwak wortelhoudend, zwak slakhoudend, matig kooldeeltjes houdend, neutraal beigebruin

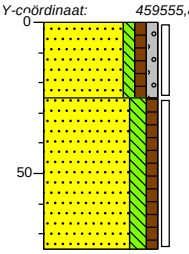
-20

Zand, matig fijn, zwak siltig, matig roesthoudend, licht roestbruin

-70

Meetpunt: B11

Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240756,39
Y-coördinaat: 459555,86



0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak grindig, zwak wortelhoudend, matig kooldeeltjes houdend, matig slakhoudend, neutraal grijsbruin

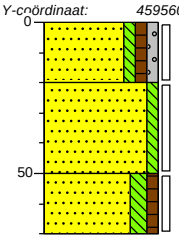
-25

Zand, zeer fijn, matig siltig, zwak humeus, donkerbruin

-75

Meetpunt: B12

Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240751,87
Y-coördinaat: 459560,18



0 gras

Zand, matig fijn, zwak siltig, zwak humeus, zwak grindig, zwak wortelhoudend, matig kooldeeltjes houdend, matig slakhoudend, neutraal grijsbruin

-20

Zand, matig fijn, zwak siltig, matig roesthoudend, licht beigebruin

-50

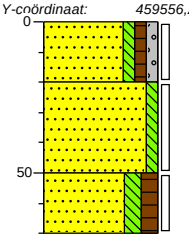
Zand, zeer fijn, matig siltig, zwak humeus, donker grijsbruin

-70

SWECO

Meetpunt: B13

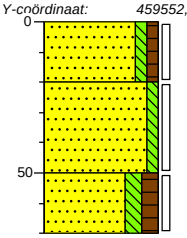
Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240748,78
Y-coördinaat: 459556,23



0	gras
	Zand, matig fijn, zwak siltig, zwak humeus, zwak grindig, zwak wortelhoudend, matig kooldeeltjes houdend, matig slakhoudend, neutraal grijsbruin
-20	
	Zand, matig fijn, zwak siltig, matig roesthoudend, licht beigebruin
-50	
	Zand, zeer fijn, matig siltig, matig humeus, donker zwartbruin
-70	

Meetpunt: B14

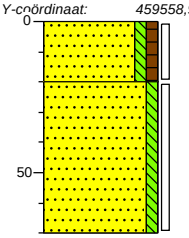
Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240753,32
Y-coördinaat: 459552,26



0	gras
	Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, matig kooldeeltjes houdend, matig slakhoudend, neutraal grijsbruin
-20	
	Zand, matig fijn, zwak siltig, zwak roesthoudend, licht beigebruin
-50	
	Zand, zeer fijn, matig siltig, matig humeus, donkerbruin
-70	

Meetpunt: B15

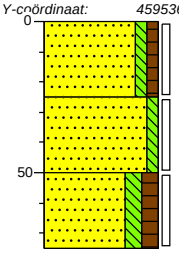
Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240737,90
Y-coördinaat: 459558,94



0	gras
	Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, zwak kooldeeltjes houdend, matig slakhoudend, donker grijsbruin
-20	
	Zand, matig fijn, zwak siltig, zwak roesthoudend, licht beigebruin
-70	

Meetpunt: B16

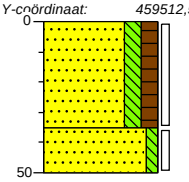
Boormeester: Roderick Diekstra
Datum: 20-1-2021
X-coördinaat: 240717,76
Y-coördinaat: 459536,11



0	gras
	Zand, matig fijn, zwak siltig, zwak humeus, zwak wortelhoudend, zwak kooldeeltjes houdend, matig slakhoudend, donker grijsbruin
-25	
	Zand, matig fijn, zwak siltig, zwak roesthoudend, licht beigebruin
-50	
	Zand, zeer fijn, matig siltig, matig humeus, donkerbruin
-75	

Meetpunt: B17

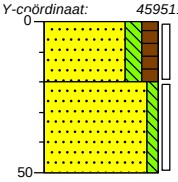
Boormeester: Roderick Diekstra
Datum: 27-1-2021
X-coördinaat: 240761,70
Y-coördinaat: 459512,53



0	weiland
	Zand, matig fijn, matig siltig, matig humeus, zwak wortelhoudend, donkerbruin
-35	
	Zand, matig fijn, zwak siltig, sporen roest, lichtbruin
-50	

Meetpunt: B18

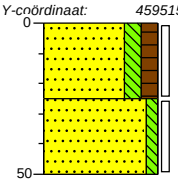
Boormeester: Roderick Diekstra
Datum: 27-1-2021
X-coördinaat: 240769,06
Y-coördinaat: 459511,02



0	weiland
	Zand, matig fijn, matig siltig, matig humeus, zwak wortelhoudend, donkerbruin
-20	
	Zand, matig fijn, zwak siltig, sporen roest, lichtbruin
-50	

Meetpunt: B19

Boormeester: Roderick Diekstra
Datum: 27-1-2021
X-coördinaat: 240764,63
Y-coördinaat: 459515,49



0	weiland
	Zand, matig fijn, matig siltig, matig humeus, zwak wortelhoudend, donkerbruin
-25	
	Zand, matig fijn, zwak siltig, sporen roest, lichtbruin
-50	

Legenda (conform NEN 5104)

grind

- Grind, siltig
- Grind, zwak zandig
- Grind, matig zandig
- Grind, sterk zandig
- Grind, uiterst zandig

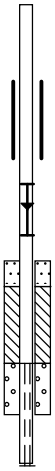
zand

- Zand, kleïig
- Zand, zwak siltig
- Zand, matig siltig
- Zand, sterk siltig
- Zand, uiterst siltig

veen

- Veen, mineraalarm
- Veen, zwak kleïig
- Veen, sterk kleïig
- Veen, zwak zandig
- Veen, sterk zandig

peilbuis



- blinde buis
- casing
- hoogste grondwaterstand
- gemiddelde grondwaterstand
- laagste grondwaterstand
- zand afdichting
- bentoniet/mikoliet/klei afdichting
- grind afdichting
- filter

klei

- Klei, zwak siltig
- Klei, matig siltig
- Klei, sterk siltig
- Klei, uiterst siltig
- Klei, zwak zandig
- Klei, matig zandig
- Klei, sterk zandig

leem

- Leem, zwak zandig
- Leem, sterk zandig

overige toevoegingen

- zwak humeus
- matig humeus
- sterk humeus
- zwak grindig
- matig grindig
- sterk grindig

geur

- geen geur
- zwakke geur
- matige geur
- sterke geur
- uiterste geur

olie

- geen olie-water reactie
- zwakke olie-water reactie
- matige olie-water reactie
- sterke olie-water reactie
- uiterste olie-water reactie

p.i.d.-waarde

- >0
- >1
- >10
- >100
- >1000
- >10000

monsters

- geroerd monster
- ongeroerd monster
- volumering

overig

- bijzonder bestanddeel
- Gemiddeld hoogste grondwaterstand
- grondwaterstand
- Gemiddeld laagste grondwaterstand
- slib
- water

Bijlage 5 Analysecertificaten

SYNLAB Analytics & Services B.V.
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www.synlab.nl

Analyserapport

Sweco Zwolle
Max Hegeman
Zuiderzeelaan 53
8017JV ZWOLLE

Uw projectnaam	: station Eibergen
Uw projectnummer	: 377076
SYNLAB rapportnummer	: 13391075, versienummer: 1.
Rapport-verificatienummer	: 6L1ACFPE

Rotterdam, 29-01-2021

Geachte heer/mevrouw,

Hierbij ontvangt u de analyse resultaten van het laboratoriumonderzoek ten behoeve van uw project 377076. Het onderzoek werd uitgevoerd conform uw opdracht. De gerapporteerde resultaten hebben uitsluitend betrekking op de monsters zoals deze door SYNLAB ontvangen zijn. De door u aangegeven omschrijvingen voor de monsters, het project en de monsternamedatum (indien aangeleverd) zijn overgenomen in dit analyserapport. SYNLAB is niet verantwoordelijk voor de gegevens verstrekt door de opdrachtgever.

Het onderzoek is uitgevoerd door SYNLAB Analytics & Services B.V., gevestigd aan de Steenhouwerstraat 15 in Rotterdam (NL). Indien het onderzoek is uitgevoerd door derden of het SYNLAB laboratorium in Frankrijk (99-101 Avenue Louis Roche, Gennevilliers) is dit in het rapport aangegeven.

Dit analyserapport bestaat inclusief bijlagen uit 8 pagina's. In geval van een versienummer van '2' of hoger vervallen de voorgaande versies. Alle bijlagen maken onlosmakelijk onderdeel uit van het rapport. Alleen vermenigvuldiging van het hele rapport is toegestaan.

Voor meer informatie, omtrent bijvoorbeeld meetonzekerheid of gebruikte analysemethoden, kunt u contact opnemen met de afdeling Customer Support.

Wij vertrouwen er op u met deze informatie van dienst te zijn.

Hoogachtend,

[redacted]
Technical Director

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	22-01-2021
Projectnummer	377076	Startdatum	22-01-2021
Rapportnummer	13391075 - 1	Rapportagedatum	29-01-2021

Nummer	Monstersoort	Monsterspecificatie
001	Grond (AS3000)	MM BG Noord MM BG Noord B08 (0-20) B11 (0-25) B12 (0-20) B15 (0-20)
002	Grond (AS3000)	MM BG Zuid MM BG Zuid B04 (0-20) B06 (0-25) B07 (0-20) B16 (0-25)
003	Grond (AS3000)	MM OG MM OG B02 (20-70) B03 (20-70) B04 (20-60)

Analyse	Eenheid	Q	001	002	003
monster voorbehandeling		S	Ja	Ja	Ja
droge stof	gew.-%	S	86.1	91.0	87.9
gewicht artefacten	g	S	<1	<1	<1
aard van de artefacten	-	S	geen	geen	geen
organische stof (gloeiverlies)	% vd DS	S	5.7	5.2	1.0
KORRELGROOTTEVERDELING					
lutum (bodem)	% vd DS	S	<1	1.4	<1
METALEN					
barium	mg/kgds	S	35	22	<20
cadmium	mg/kgds	S	<0.2	<0.2	<0.2
kobalt	mg/kgds	S	9.2	4.5	<1.5
koper	mg/kgds	S	16	11	<5
kwik	mg/kgds	S	<0.05	0.07	<0.05
lood	mg/kgds	S	12	10	<10
molybdeen	mg/kgds	S	1.1	0.58	<0.5
nikkel	mg/kgds	S	21	13	3.8
zink	mg/kgds	S	30	23	<20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN					
naftaleen	mg/kgds	S	0.02 [1)]	<0.01	<0.01
fenantreen	mg/kgds	S	0.05	0.04	<0.01
antraceen	mg/kgds	S	<0.01	<0.01	<0.01
fluoranteen	mg/kgds	S	0.01	0.03	0.02
benzo(a)antraceen	mg/kgds	S	0.01	0.01	0.01
chryseen	mg/kgds	S	0.01	0.02	0.01
benzo(k)fluoranteen	mg/kgds	S	<0.01	<0.01	0.02
benzo(a)pyreen	mg/kgds	S	<0.01	<0.01	0.02
benzo(ghi)peryleen	mg/kgds	S	<0.01	<0.01	0.03
indeno(1,2,3-cd)pyreen	mg/kgds	S	<0.01	<0.01	0.03
pak-totaal (10 van VROM) (0.7 factor)	mg/kgds	S	0.135 [2)]	0.142 [2)]	0.161 [2)]
POLYCHLOORBIFENYLEN (PCB)					
PCB 28	µg/kgds	S	<1	<1	<1
PCB 52	µg/kgds	S	<1	1.5	<1
PCB 101	µg/kgds	S	<1	1.8	<1
PCB 118	µg/kgds	S	<1	<1	<1
PCB 138	µg/kgds	S	<1	7.1	<1
PCB 153	µg/kgds	S	<1	10	<1
PCB 180	µg/kgds	S	<1	12	<1
som PCB (7) (0.7 factor)	µg/kgds	S	4.9 [2)]	33.8 [2)]	4.9 [2)]

De met S gemerkte analyses zijn geaccrediteerd en vallen onder de AS3000-erkenning.

Paraaf :

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	22-01-2021
Projectnummer	377076	Startdatum	22-01-2021
Rapportnummer	13391075 - 1	Rapportagedatum	29-01-2021

Nummer	Monstersoort	Monsterspecificatie
001	Grond (AS3000)	MM BG Noord MM BG Noord B08 (0-20) B11 (0-25) B12 (0-20) B15 (0-20)
002	Grond (AS3000)	MM BG Zuid MM BG Zuid B04 (0-20) B06 (0-25) B07 (0-20) B16 (0-25)
003	Grond (AS3000)	MM OG MM OG B02 (20-70) B03 (20-70) B04 (20-60)

Analyse	Eenheid	Q	001	002	003
MINERALE OLIE					
fractie C10-C12	mg/kgds		<5	<5	<5
fractie C12-C22	mg/kgds		<5	<5	<5
fractie C22-C30	mg/kgds		<5	<5	<5
fractie C30-C40	mg/kgds		<5	<5	<5
totaal olie C10 - C40	mg/kgds	S	<20	<20	<20
PER- EN POLYFLUORALKYLSTOFFEN					
PFBA (perfluorbutaanzuur)	µg/kgds		<0.1		
PFPeA (perfluorpentaanzuur)	µg/kgds		<0.1		
PFHxA (perfluorhexaanzuur)	µg/kgds		<0.1		
PFHpA (perfluorheptaanzuur)	µg/kgds		<0.1		
PFOA lineair (perfluoroctaanzuur)	µg/kgds		0.11		
PFOA vertakt (perfluoroctaanzuur)	µg/kgds		<0.1		
som PFOA (0.7 factor)	µg/kgds		0.18 [3)]		
PFNA (perfluornonaanzuur)	µg/kgds		<0.1		
PFDA (perfluordecaanzuur)	µg/kgds		<0.1		
PFUnDA (perfluorundecaanzuur)	µg/kgds		<0.1		
PFDoDA (perfluordodecaanzuur)	µg/kgds		<0.1		
PFTrDA (perfluortridecaanzuur)	µg/kgds		<0.1		
PFTeDA (perfluortetradecaanzuur)	µg/kgds		<0.1		
PFHxDA (perfluorhexadecaanzuur)	µg/kgds		<0.1		
PFODA (perfluoroctadecaanzuur)	µg/kgds		<0.1		
PFBS (perfluorbutaansulfonzuur)	µg/kgds		<0.1		
PFPeS (perfluorpentaansulfonzuur)	µg/kgds		<0.1		
PFHxS (perfluorhexaansulfonzuur)	µg/kgds		<0.1		
PFHpS (perfluorheptaansulfonzuur)	µg/kgds		<0.1		
PFOS lineair (perfluoroctaansulfonzuur)	µg/kgds		0.29		
PFOS vertakt (perfluoroctaansulfonzuur)	µg/kgds		<0.1		
som PFOS (0.7 factor)	µg/kgds		0.36 [3)]		
PFDS (perfluordecaansulfonzuur)	µg/kgds		<0.1		

De met S gemerkte analyses zijn geaccrediteerd en vallen onder de AS3000-erkenning.

Paraaf :

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	22-01-2021
Projectnummer	377076	Startdatum	22-01-2021
Rapportnummer	13391075 - 1	Rapportagedatum	29-01-2021

Nummer	Monstersoort	Monsterspecificatie
001	Grond (AS3000)	MM BG Noord MM BG Noord B08 (0-20) B11 (0-25) B12 (0-20) B15 (0-20)
002	Grond (AS3000)	MM BG Zuid MM BG Zuid B04 (0-20) B06 (0-25) B07 (0-20) B16 (0-25)
003	Grond (AS3000)	MM OG MM OG B02 (20-70) B03 (20-70) B04 (20-60)

Analyse	Eenheid	Q	001	002	003
4:2 FTS (4:2 fluortelomeer sulfonzuur)	µg/kgds		<0.1		
6:2 FTS (6:2 fluortelomeer sulfonzuur)	µg/kgds		<0.1		
8:2 FTS (8:2 fluortelomeer sulfonzuur)	µg/kgds		<0.1		
10:2 FTS (10:2 fluortelomeer sulfonzuur)	µg/kgds		<0.1		
MeFOSAA (n-methyl perfluoroctaansulfonamide acetaat)	µg/kgds		<0.1		
EtFOSAA (n-ethyl perfluoroctaansulfonamide acetaat)	µg/kgds		<0.1		
PFOSA (perfluoroctaansulfonamide)	µg/kgds		<0.1		
MeFOSA (n-methyl perfluoroctaansulfonamide)	µg/kgds		<0.1		
8:2 DiPAP (8:2 fluortelomeer fosfaat diester)	µg/kgds		<0.1		

Paraaf :

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Analyserapport

Projectnaam	station Eibergen	Orderdatum	22-01-2021
Projectnummer	377076	Startdatum	22-01-2021
Rapportnummer	13391075 - 1	Rapportagedatum	29-01-2021

Monster beschrijvingen

001	*	De monstervoorbehandeling en analyses zijn uitgevoerd conform Accreditatieschema AS3000, dit geldt alleen voor de analyses die worden gerapporteerd met het "S" kenmerk.
002	*	De monstervoorbehandeling en analyses zijn uitgevoerd conform Accreditatieschema AS3000, dit geldt alleen voor de analyses die worden gerapporteerd met het "S" kenmerk.
003	*	De monstervoorbehandeling en analyses zijn uitgevoerd conform Accreditatieschema AS3000, dit geldt alleen voor de analyses die worden gerapporteerd met het "S" kenmerk.

Voetnoten

1	Er zijn componenten aanwezig die een storende invloed hebben op de meting. Om die reden is de onzekerheid in het resultaat vergroot.
2	De sommatie na verrekening van de 0.7 factor voor <-waarden volgens BoToVa.
3	De sommatie na verrekening van de 0.7 factor conform AS3000

Paraaf :

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	22-01-2021
Projectnummer	377076	Startdatum	22-01-2021
Rapportnummer	13391075 - 1	Rapportagedatum	29-01-2021

Analyse	Monstersoort	Relatie tot norm
monster voorbehandeling	Grond (AS3000)	Grond: conform NEN-EN 16179. Grond (AS3000): conform NEN-EN 16179
droge stof	Grond (AS3000)	Grond: Gelijkwaardig aan ISO 11465 en gelijkwaardig aan NEN-EN 15934. Grond (AS3000): conform AS3010-2 en gelijkwaardig aan NEN-EN 15934
gewicht artefacten	Grond (AS3000)	Conform AS3000
aard van de artefacten	Grond (AS3000)	Idem
organische stof (gloeiverlies)	Grond (AS3000)	Grond: gelijkwaardig aan NEN 5754. Grond (AS3000): conform AS3010-3
lutum (bodem)	Grond (AS3000)	Grond: eigen methode. Grond (AS3000): conform AS3010-4
barium	Grond (AS3000)	Conform AS3010-5 en conform NEN 6950 (ontsluiting conform NEN 6961, meting conform NEN-EN-ISO 17294-2)
cadmium	Grond (AS3000)	Idem
kobalt	Grond (AS3000)	Idem
koper	Grond (AS3000)	Idem
kwik	Grond (AS3000)	Idem
lood	Grond (AS3000)	Idem
molybdeen	Grond (AS3000)	Idem
nikkel	Grond (AS3000)	Idem
zink	Grond (AS3000)	Idem
naftaleen	Grond (AS3000)	Conform AS3010-6
fenantreen	Grond (AS3000)	Idem
antraceen	Grond (AS3000)	Idem
fluoranteen	Grond (AS3000)	Idem
benzo(a)antraceen	Grond (AS3000)	Idem
chryseen	Grond (AS3000)	Idem
benzo(k)fluoranteen	Grond (AS3000)	Idem
benzo(a)pyreen	Grond (AS3000)	Idem
benzo(ghi)peryleen	Grond (AS3000)	Idem
indeno(1,2,3-cd)pyreen	Grond (AS3000)	Idem
pak-totaal (10 van VROM) (0.7 factor)	Grond (AS3000)	Idem
PCB 28	Grond (AS3000)	Conform AS3010-8
PCB 52	Grond (AS3000)	Idem
PCB 101	Grond (AS3000)	Idem
PCB 118	Grond (AS3000)	Idem
PCB 138	Grond (AS3000)	Idem
PCB 153	Grond (AS3000)	Idem
PCB 180	Grond (AS3000)	Idem
som PCB (7) (0.7 factor)	Grond (AS3000)	Idem
totaal olie C10 - C40	Grond (AS3000)	Conform AS3010-7 en conform NEN-EN-ISO 16703
PFBA (perfluorbutaanzuur)	Grond (AS3000)	Eigen methode
PFPeA (perfluorpentaanzuur)	Grond (AS3000)	Idem
PFHxA (perfluorhexaanzuur)	Grond (AS3000)	Idem
PFHpA (perfluorheptaanzuur)	Grond (AS3000)	Idem
PFOA lineair (perfluoroctaanzuur)	Grond (AS3000)	Idem
PFOA vertakt (perfluoroctaanzuur)	Grond (AS3000)	Idem

Paraaf :

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Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	22-01-2021
Projectnummer	377076	Startdatum	22-01-2021
Rapportnummer	13391075 - 1	Rapportagedatum	29-01-2021

Analyse	Monstersoort	Relatie tot norm
som PFOA (0.7 factor)	Grond (AS3000)	Idem
PFNA (perfluornonaanzuur)	Grond (AS3000)	Idem
PFDA (perfluordecaanzuur)	Grond (AS3000)	Idem
PFUnDA (perfluorundecaanzuur)	Grond (AS3000)	Idem
PFDoDA (perfluordodecaanzuur)	Grond (AS3000)	Idem
PFTrDA (perfluortridecaanzuur)	Grond (AS3000)	Idem
PFTeDA (perfluortetradecaanzuur)	Grond (AS3000)	Idem
PFHxDA (perfluorhexadecaanzuur)	Grond (AS3000)	Idem
PFODA (perfluoroctadecaanzuur)	Grond (AS3000)	Idem
PFBS (perfluorbutaansulfonzuur)	Grond (AS3000)	Idem
PFPeS (perfluorpentaansulfonzuur)	Grond (AS3000)	Idem
PFHxS (perfluorhexaansulfonzuur)	Grond (AS3000)	Idem
PFHpS (perfluorheptaansulfonzuur)	Grond (AS3000)	Idem
PFOS lineair (perfluoroctaansulfonzuur)	Grond (AS3000)	Idem
PFOS vertakt (perfluoroctaansulfonzuur)	Grond (AS3000)	Idem
som PFOS (0.7 factor)	Grond (AS3000)	Idem
PFDS (perfluordecaansulfonzuur)	Grond (AS3000)	Idem
4:2 FTS (4:2 fluortelomeer sulfonzuur)	Grond (AS3000)	Idem
6:2 FTS (6:2 fluortelomeer sulfonzuur)	Grond (AS3000)	Idem
8:2 FTS (8:2 fluortelomeer sulfonzuur)	Grond (AS3000)	Idem
10:2 FTS (10:2 fluortelomeer sulfonzuur)	Grond (AS3000)	Idem
MeFOSAA (n-methyl perfluoroctaansulfonamide acetaat)	Grond (AS3000)	Idem
EtFOSAA (n-ethyl perfluoroctaansulfonamide acetaat)	Grond (AS3000)	Idem
PFOSA (perfluoroctaansulfonamide)	Grond (AS3000)	Idem
MeFOSA (n-methyl perfluoroctaansulfonamide)	Grond (AS3000)	Idem
8:2 DiPAP (8:2 fluortelomeer fosfaat diester)	Grond (AS3000)	Idem

Monster	Barcode	Aanlevering	Monstername	Verpakking
001	Y8873503	22-01-2021	20-01-2021	ALC201
001	Y8873597	22-01-2021	20-01-2021	ALC201
001	Y8873515	22-01-2021	20-01-2021	ALC201
001	Y8873654	22-01-2021	21-01-2021	ALC201
002	Y8873712	22-01-2021	20-01-2021	ALC201
002	Y8873649	22-01-2021	21-01-2021	ALC201

Paraaf :

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Analyserapport

Projectnaam	station Eibergen	Orderdatum	22-01-2021
Projectnummer	377076	Startdatum	22-01-2021
Rapportnummer	13391075 - 1	Rapportagedatum	29-01-2021

Monster	Barcode	Aanlevering	Monstername	Verpakking
002	Y8873682	22-01-2021	20-01-2021	ALC201
002	Y8873590	22-01-2021	20-01-2021	ALC201
003	Y8873683	22-01-2021	21-01-2021	ALC201
003	Y8872721	22-01-2021	20-01-2021	ALC201
003	Y8873501	22-01-2021	20-01-2021	ALC201

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SYNLAB Analytics & Services B.V.
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Analyserapport

Sweco Zwolle
Max Hegeman
Zuiderzeelaan 53
8017JV ZWOLLE

Uw projectnaam	: station Eibergen
Uw projectnummer	: 377076
SYNLAB rapportnummer	: 13394525, versienummer: 1.
Rapport-verificatienummer	: VSN6AZ5Z

Rotterdam, 04-02-2021

Geachte heer/mevrouw,

Hierbij ontvangt u de analyse resultaten van het laboratoriumonderzoek ten behoeve van uw project 377076. Het onderzoek werd uitgevoerd conform uw opdracht. De gerapporteerde resultaten hebben uitsluitend betrekking op de monsters zoals deze door SYNLAB ontvangen zijn. De door u aangegeven omschrijvingen voor de monsters, het project en de monsternamedatum (indien aangeleverd) zijn overgenomen in dit analyserapport. SYNLAB is niet verantwoordelijk voor de gegevens verstrekt door de opdrachtgever.

Het onderzoek is uitgevoerd door SYNLAB Analytics & Services B.V., gevestigd aan de Steenhouwerstraat 15 in Rotterdam (NL). Indien het onderzoek is uitgevoerd door derden of het SYNLAB laboratorium in Frankrijk (99-101 Avenue Louis Roche, Gennevilliers) is dit in het rapport aangegeven.

Dit analyserapport bestaat inclusief bijlagen uit 6 pagina's. In geval van een versienummer van '2' of hoger vervallen de voorgaande versies. Alle bijlagen maken onlosmakelijk onderdeel uit van het rapport. Alleen vermenigvuldiging van het hele rapport is toegestaan.

Voor meer informatie, omtrent bijvoorbeeld meetonzekerheid of gebruikte analysemethoden, kunt u contact opnemen met de afdeling Customer Support.

Wij vertrouwen er op u met deze informatie van dienst te zijn.

Hoogachtend,

[redacted]
Technical Director

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	28-01-2021
Projectnummer	377076	Startdatum	28-01-2021
Rapportnummer	13394525 - 1	Rapportagedatum	04-02-2021

Nummer	Monstersoort	Monsterspecificatie
001	Grond (AS3000)	MM BG Mast MM BG Mast B01 (0-30) B17 (0-35) B18 (0-20) B19 (0-25)

Analyse	Eenheid	Q	001
monster voorbehandeling		S	Ja
droge stof	gew.-%	S	86.2
gewicht artefacten	g	S	<1
aard van de artefacten	-	S	geen
organische stof (gloeiverlies)	% vd DS	S	2.5
KORRELGROOTTEVERDELING			
lutum (bodem)	% vd DS	S	<1
METALEN			
barium	mg/kgds	S	<20
cadmium	mg/kgds	S	0.24
kobalt	mg/kgds	S	<1.5
koper	mg/kgds	S	11
kwik	mg/kgds	S	<0.05
lood	mg/kgds	S	10
molybdeen	mg/kgds	S	<0.5
nikkel	mg/kgds	S	<3
zink	mg/kgds	S	47
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN			
naftaleen	mg/kgds	S	<0.01
fenantreen	mg/kgds	S	0.02
antraceen	mg/kgds	S	<0.01
fluoranteen	mg/kgds	S	0.08
benzo(a)antraceen	mg/kgds	S	0.05
chryseen	mg/kgds	S	0.05
benzo(k)fluoranteen	mg/kgds	S	0.04
benzo(a)pyreen	mg/kgds	S	0.05
benzo(ghi)peryleen	mg/kgds	S	0.05
indeno(1,2,3-cd)pyreen	mg/kgds	S	0.05
pak-totaal (10 van VROM) (0.7 factor)	mg/kgds	S	0.404 [1)]
POLYCHLOORBIFENYLEN (PCB)			
PCB 28	µg/kgds	S	<1
PCB 52	µg/kgds	S	<1
PCB 101	µg/kgds	S	<1
PCB 118	µg/kgds	S	<1
PCB 138	µg/kgds	S	2.0
PCB 153	µg/kgds	S	3.3
PCB 180	µg/kgds	S	3.0
som PCB (7) (0.7 factor)	µg/kgds	S	11.1 [1)]
MINERALE OLIE			

De met S gemerkte analyses zijn geaccrediteerd en vallen onder de AS3000-erkenning.

Paraaf :

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

AL ONZE WERKZAAMHEDEN WORDEN UITGEVOERD ONDER DE ALGEMENE VOORWAARDEN GEDEPONEERD BIJ DE KAMER VAN KOOPHANDEL EN FABRIEKEN TE ROTTERDAM INSCHRIJVING HANDELSREGISTER: KVK ROTTERDAM 24265286

Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	28-01-2021
Projectnummer	377076	Startdatum	28-01-2021
Rapportnummer	13394525 - 1	Rapportagedatum	04-02-2021

Nummer	Monstersoort	Monsterspecificatie
001	Grond (AS3000)	MM BG Mast MM BG Mast B01 (0-30) B17 (0-35) B18 (0-20) B19 (0-25)

Analyse	Eenheid	Q	001
fractie C10-C12	mg/kgds		<5
fractie C12-C22	mg/kgds		<5
fractie C22-C30	mg/kgds		<5
fractie C30-C40	mg/kgds		<5
totaal olie C10 - C40	mg/kgds	S	<20

De met S gemerkte analyses zijn geaccrediteerd en vallen onder de AS3000-erkenning.

Paraaf :

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Analyserapport

Projectnaam	station Eibergen	Orderdatum	28-01-2021
Projectnummer	377076	Startdatum	28-01-2021
Rapportnummer	13394525 - 1	Rapportagedatum	04-02-2021

Monster beschrijvingen

001	*	De monstervoorbehandeling en analyses zijn uitgevoerd conform Accreditatieschema AS3000, dit geldt alleen voor de analyses die worden gerapporteerd met het "S" kenmerk.

Voetnoten

1	De sommatie na verrekening van de 0.7 factor voor <-waarden volgens BoToVa.

Paraaf :

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	28-01-2021
Projectnummer	377076	Startdatum	28-01-2021
Rapportnummer	13394525 - 1	Rapportagedatum	04-02-2021

Analyse	Monstersoort	Relatie tot norm
monster voorbehandeling	Grond (AS3000)	Grond: conform NEN-EN 16179. Grond (AS3000): conform NEN-EN 16179
droge stof	Grond (AS3000)	Grond: Gelijkwaardig aan ISO 11465 en gelijkwaardig aan NEN-EN 15934. Grond (AS3000): conform AS3010-2 en gelijkwaardig aan NEN-EN 15934
gewicht artefacten	Grond (AS3000)	Conform AS3000
aard van de artefacten	Grond (AS3000)	Idem
organische stof (gloeiverlies)	Grond (AS3000)	Grond: gelijkwaardig aan NEN 5754. Grond (AS3000): conform AS3010-3
lutum (bodem)	Grond (AS3000)	Grond: eigen methode. Grond (AS3000): conform AS3010-4
barium	Grond (AS3000)	Conform AS3010-5 en conform NEN 6950 (ontsluiting conform NEN 6961, meting conform NEN-EN-ISO 17294-2)
cadmium	Grond (AS3000)	Idem
kobalt	Grond (AS3000)	Idem
koper	Grond (AS3000)	Idem
kwik	Grond (AS3000)	Idem
lood	Grond (AS3000)	Idem
molybdeen	Grond (AS3000)	Idem
nikkel	Grond (AS3000)	Idem
zink	Grond (AS3000)	Idem
naftaleen	Grond (AS3000)	Conform AS3010-6
fenantreen	Grond (AS3000)	Idem
antraceen	Grond (AS3000)	Idem
fluoranteen	Grond (AS3000)	Idem
benzo(a)antraceen	Grond (AS3000)	Idem
chryseen	Grond (AS3000)	Idem
benzo(k)fluoranteen	Grond (AS3000)	Idem
benzo(a)pyreen	Grond (AS3000)	Idem
benzo(ghi)peryleen	Grond (AS3000)	Idem
indeno(1,2,3-cd)pyreen	Grond (AS3000)	Idem
pak-totaal (10 van VROM) (0.7 factor)	Grond (AS3000)	Idem
PCB 28	Grond (AS3000)	Conform AS3010-8
PCB 52	Grond (AS3000)	Idem
PCB 101	Grond (AS3000)	Idem
PCB 118	Grond (AS3000)	Idem
PCB 138	Grond (AS3000)	Idem
PCB 153	Grond (AS3000)	Idem
PCB 180	Grond (AS3000)	Idem
som PCB (7) (0.7 factor)	Grond (AS3000)	Idem
totaal olie C10 - C40	Grond (AS3000)	Conform AS3010-7 en conform NEN-EN-ISO 16703

Monster	Barcode	Aanlevering	Monstername	Verpakking
001	Y8873524	28-01-2021	27-01-2021	ALC201
001	Y8873444	28-01-2021	27-01-2021	ALC201
001	Y8873442	28-01-2021	27-01-2021	ALC201

Paraaf :

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	28-01-2021
Projectnummer	377076	Startdatum	28-01-2021
Rapportnummer	13394525 - 1	Rapportagedatum	04-02-2021

Monster	Barcode	Aanlevering	Monstername	Verpakking
001	Y8873436	28-01-2021	27-01-2021	ALC201

Paraaf :

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SYNLAB Analytics & Services B.V.
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Analyserapport

Sweco Zwolle
Max Hegeman
Zuiderzeelaan 53
8017JV ZWOLLE

Uw projectnaam	: station Eibergen
Uw projectnummer	: 377076
SYNLAB rapportnummer	: 13398668, versienummer: 1.
Rapport-verificatienummer	: U2ZN27RX

Rotterdam, 10-02-2021

Geachte heer/mevrouw,

Hierbij ontvangt u de analyse resultaten van het laboratoriumonderzoek ten behoeve van uw project 377076. Het onderzoek werd uitgevoerd conform uw opdracht. De gerapporteerde resultaten hebben uitsluitend betrekking op de monsters zoals deze door SYNLAB ontvangen zijn. De door u aangegeven omschrijvingen voor de monsters, het project en de monsternamedatum (indien aangeleverd) zijn overgenomen in dit analyserapport. SYNLAB is niet verantwoordelijk voor de gegevens verstrekt door de opdrachtgever.

Het onderzoek is uitgevoerd door SYNLAB Analytics & Services B.V., gevestigd aan de Steenhouwerstraat 15 in Rotterdam (NL). Indien het onderzoek is uitgevoerd door derden of het SYNLAB laboratorium in Frankrijk (99-101 Avenue Louis Roche, Gennevilliers) is dit in het rapport aangegeven.

Dit analyserapport bestaat inclusief bijlagen uit 5 pagina's. In geval van een versienummer van '2' of hoger vervallen de voorgaande versies. Alle bijlagen maken onlosmakelijk onderdeel uit van het rapport. Alleen vermenigvuldiging van het hele rapport is toegestaan.

Voor meer informatie, omtrent bijvoorbeeld meetonzekerheid of gebruikte analysemethoden, kunt u contact opnemen met de afdeling Customer Support.

Wij vertrouwen er op u met deze informatie van dienst te zijn.

Hoogachtend,

Technical Director

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	04-02-2021
Projectnummer	377076	Startdatum	04-02-2021
Rapportnummer	13398668 - 1	Rapportagedatum	10-02-2021

Nummer	Monstersoort	Monsterspecificatie
001	Grondwater (AS3000)	B01-1-1 B01-1-1 B01 (150-250)

Analyse	Eenheid	Q	001
METALEN			
barium	µg/l	S	140
cadmium	µg/l	S	<0.20
kobalt	µg/l	S	2.1
koper	µg/l	S	45
kwik	µg/l	S	<0.05
lood	µg/l	S	<2.0
molybdeen	µg/l	S	<2
nikkel	µg/l	S	6.1
zink	µg/l	S	41
VLUCHTIGE AROMATEN			
benzeen	µg/l	S	<0.2
tolueen	µg/l	S	<0.2
ethylbenzeen	µg/l	S	<0.2
o-xyleen	µg/l	S	<0.1
p- en m-xyleen	µg/l	S	<0.2
xylenen (0.7 factor)	µg/l	S	0.21 [1)]
styreen	µg/l	S	<0.2
naftaleen	µg/l	S	<0.02
GEHALOGENEERDE KOOLWATERSTOFFEN			
1,1-dichloorethaan	µg/l	S	<0.2
1,2-dichloorethaan	µg/l	S	<0.2
1,1-dichlooretheen	µg/l	S	<0.1
cis-1,2-dichlooretheen	µg/l	S	<0.1
trans-1,2-dichlooretheen	µg/l	S	<0.1
som (cis,trans) 1,2-dichloorethenen (0.7 factor)	µg/l	S	0.14 [1)]
dichloormethaan	µg/l	S	<0.2
1,1-dichloorpropaan	µg/l	S	<0.2
1,2-dichloorpropaan	µg/l	S	<0.2
1,3-dichloorpropaan	µg/l	S	<0.2
som dichloorpropanen (0.7 factor)	µg/l	S	0.42 [1)]
tetrachlooretheen	µg/l	S	<0.1
tetrachloormethaan	µg/l	S	<0.1
1,1,1-trichloorethaan	µg/l	S	<0.1
1,1,2-trichloorethaan	µg/l	S	<0.1
trichlooretheen	µg/l	S	<0.2
chloroform	µg/l	S	<0.2
vinylchloride	µg/l	S	<0.2
tribroommethaan	µg/l	S	<0.2
MINERALE OLIE			
fractie C10-C12	µg/l		<25

De met S gemerkte analyses zijn geaccrediteerd en vallen onder de AS3000-erkenning.

Paraaf :

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	04-02-2021
Projectnummer	377076	Startdatum	04-02-2021
Rapportnummer	13398668 - 1	Rapportagedatum	10-02-2021

Nummer	Monstersoort	Monsterspecificatie
001	Grondwater (AS3000)	B01-1-1 B01-1-1 B01 (150-250)

Analyse	Eenheid	Q	001
fractie C12-C22	µg/l		<25
fractie C22-C30	µg/l		<25
fractie C30-C40	µg/l		<25
totaal olie C10 - C40	µg/l	S	<50

De met S gemerkte analyses zijn geaccrediteerd en vallen onder de AS3000-erkenning.

Paraaf :

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Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	04-02-2021
Projectnummer	377076	Startdatum	04-02-2021
Rapportnummer	13398668 - 1	Rapportagedatum	10-02-2021

Monster beschrijvingen

001	*	De monstervoorbehandeling en analyses zijn uitgevoerd conform Accreditatieschema AS3000, dit geldt alleen voor de analyses die worden gerapporteerd met het "S" kenmerk.

Voetnoten

1	De sommatie na verrekening van de 0.7 factor voor <-waarden volgens BoToVa.

Paraaf :

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Sweco Zwolle
Max Hegeman

Analyserapport

Projectnaam	station Eibergen	Orderdatum	04-02-2021
Projectnummer	377076	Startdatum	04-02-2021
Rapportnummer	13398668 - 1	Rapportagedatum	10-02-2021

Analyse	Monstersoort	Relatie tot norm
barium	Grondwater (AS3000)	Conform AS3110-3 en conform NEN-EN-ISO 17294-2
cadmium	Grondwater (AS3000)	Idem
kobalt	Grondwater (AS3000)	Idem
koper	Grondwater (AS3000)	Idem
kwik	Grondwater (AS3000)	Conform AS3110-3 en conform NEN-EN-ISO 17852
lood	Grondwater (AS3000)	Conform AS3110-3 en conform NEN-EN-ISO 17294-2
molybdeen	Grondwater (AS3000)	Idem
nikkel	Grondwater (AS3000)	Idem
zink	Grondwater (AS3000)	Idem
benzeen	Grondwater (AS3000)	Conform AS3130-1
tolueen	Grondwater (AS3000)	Idem
ethylbenzeen	Grondwater (AS3000)	Idem
o-xyleen	Grondwater (AS3000)	Idem
p- en m-xyleen	Grondwater (AS3000)	Idem
xylenen (0.7 factor)	Grondwater (AS3000)	Idem
styreen	Grondwater (AS3000)	Idem
naftaleen	Grondwater (AS3000)	Idem
1,1-dichloorethaan	Grondwater (AS3000)	Idem
1,2-dichloorethaan	Grondwater (AS3000)	Idem
1,1-dichlooretheen	Grondwater (AS3000)	Idem
cis-1,2-dichlooretheen	Grondwater (AS3000)	Idem
trans-1,2-dichlooretheen	Grondwater (AS3000)	Idem
som (cis,trans) 1,2-dichloorethenen (0.7 factor)	Grondwater (AS3000)	Idem
dichloormethaan	Grondwater (AS3000)	Idem
1,1-dichloorpropaan	Grondwater (AS3000)	Idem
1,2-dichloorpropaan	Grondwater (AS3000)	Idem
1,3-dichloorpropaan	Grondwater (AS3000)	Idem
som dichloorpropanen (0.7 factor)	Grondwater (AS3000)	Idem
tetrachlooretheen	Grondwater (AS3000)	Idem
tetrachloormethaan	Grondwater (AS3000)	Idem
1,1,1-trichloorethaan	Grondwater (AS3000)	Idem
1,1,2-trichloorethaan	Grondwater (AS3000)	Idem
trichlooretheen	Grondwater (AS3000)	Idem
chloroform	Grondwater (AS3000)	Idem
vinylchloride	Grondwater (AS3000)	Idem
tribroommethaan	Grondwater (AS3000)	Idem
totaal olie C10 - C40	Grondwater (AS3000)	Conform AS3110-5

Monster	Barcode	Aanlevering	Monstername	Verpakking
001	B1954535	04-02-2021	04-02-2021	ALC204
001	G6863058	04-02-2021	04-02-2021	ALC236

Paraaf :

SYNLAB Analytics & Services B.V. IS GEACCREDITEERD VOLGENS DE DOOR DE RAAD VOOR ACCREDITATIE GESTELDE CRITERIA VOOR TESTLABORATORIA CONFORM EN ISO/IEC 17025:2017 ONDER NR. L 028

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Bijlage 6 Toetsingstabellen

Toetsing volgens BoToVa, module T.1-Beoordeling kwaliteit van grond en bagger bij toepassing op of in de bodem
(Toetsversie 3.0.0, toetskader BBK, SIKB versie 13.3.0, toetsingsdatum: 04-02-2021 - 14:32)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM BG Noord
Monstersoort	Grond (AS3000)
Monster conclusie (excl PFAS)	**Klasse industrie**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	86.1	**86.1**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	5.7	**5.7**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	<1	**<1**		--					
METALEN										
barium+	mg/kg	35	**136**	136		--			920	20
cadmium	mg/kg	<0.2	**0.206**	0.206		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	9.2	**32.3**	32.3	*	WO	15	102	190	3
koper	mg/kg	16	**29.4**	29.4		<=AW	40	115	190	5
kwik°	mg/kg	<0.05	**0.0488**	0.0488		<=AW	0.15	18	36	0.05
lood	mg/kg	12	**17.7**	17.7		<=AW	50	290	530	10
molybdeen	mg/kg	1.1	**1.1**	1.1		<=AW	1.5	96	190	1.5
nikkel	mg/kg	21	**61.2**	61.2	*	IN	35	68	100	4
zink	mg/kg	30	**65.1**	65.1		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	0.02	**0.02**		--	-				
fenantreen	mg/kg	0.05	**0.05**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.01	**0.01**		--	-				
benzo(a)antraceen	mg/kg	0.01	**0.01**		--	-				
chryseen	mg/kg	0.01	**0.01**		--	-				
benzo(k)fluoranteen	mg/kg	<0.01	**0.007**		--	-				
benzo(a)pyreen	mg/kg	<0.01	**0.007**		--	-				
benzo(ghi)peryleen	mg/kg	<0.01	**0.007**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	<0.01	**0.007**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.135	**0.135**	0.135		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**1.23**		--	-				
PCB 52	ug/kg	<1	**1.23**		--	-				
PCB 101	ug/kg	<1	**1.23**		--	-				
PCB 118	ug/kg	<1	**1.23**		--	-				
PCB 138	ug/kg	<1	**1.23**		--	-				
PCB 153	ug/kg	<1	**1.23**		--	-				
PCB 180	ug/kg	<1	**1.23**		--	-				
som PCB (7) (0.7 factor)	ug/kg	4.9	**8.6**	8.6		<=AW	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**6.14**		--	--				
fractie C12-C22	mg/kg	<5	**6.14**		--	--				
fractie C22-C30	mg/kg	<5	**6.14**		--	--				
fractie C30-C40	mg/kg	<5	**6.14**		--	--				
totaal olie C10 - C40	mg/kg	<20	**24.6**	24.6		<=AW	190	2595	5000	35
PER- EN POLYFLUORALKYLSTOFFEN		**-toetsing uitgevoerd door SYNLAB**								
PFBA (perfluorbutaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFPeA (perfluorpentaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFHxA (perfluorhexaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFHpA (perfluorheptaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFOA lineair (perfluoroctaanzuur)	µg/kgds	0.11	0.11		0.11	--	0.10	--	---	--
PFOA vertakt (perfluoroctaanzuur)	µg/kgds	<0.1	0.07		0.07	-	0.10	--	---	--
som PFOA (0.7 factor)	µg/kgds	0.18	0.18 ¤		0.18 ¤	-	0.14	--	---	--
PFNA (perfluornonaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFDA (perfluordecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFUnDA (perfluorundecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFDoDA (perfluordodecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFTrDA (perfluortridecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFTeDA (perfluortetradecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFHxDA (perfluorhexadecaanzuur)	µg/kgds	<0.1	0.07		0.07	-	0.10	--	---	--
PFODA (perfluoroctadecaanzuur)	µg/kgds	<0.1	0.07		0.07	-	0.10	--	---	--
PFBS (perfluorbutaansulfonzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--

PFPeS (perfluorpentaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
PFHxS (perfluorhexaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
PFHpS (perfluorheptaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
PFOS lineair (perfluoroctaansulfonzuur)	µg/kgds	0.29	0.29	0.29	--	0.10	--	---	--
PFOS vertakt (perfluoroctaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
som PFOS (0.7 factor)	µg/kgds	0.36	0.36 ¤	0.36 ¤	-	0.14	--	---	--
PFDS (perfluordecaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
4:2 FTS (4:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
6:2 FTS (6:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
8:2 FTS (8:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
10:2 FTS (10:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
MeFOSAA (n-methyl perfluoroctaansulfonamide acetaat)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
EtFOSAA (n-ethyl perfluoroctaansulfonamide acetaat)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
PFOSA (perfluoroctaansulfonamide)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
MeFOSA (n-methyl perfluoroctaansulfonamide)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
8:2 DiPAP (8:2 fluortelomeer fosfaat diester)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--

Monstercode	Monsteromschrijving
13391075-001	*MM BG Noord MM BG Noord B08 (0-20) B11 (0-25) B12 (0-20) B15 (0-20)*

Toetsing volgens BoToVa, module T.1-Beoordeling kwaliteit van grond en bagger bij toepassing op of in de bodem
(Toetsversie 3.0.0, toetskader BBK, SIKB versie 13.3.0, toetsingsdatum: 04-02-2021 - 14:32)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM BG Zuid
Monstersoort	Grond (AS3000)
Monster conclusie	**Klasse industrie**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	91.0	**91**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	5.2	**5.2**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	1.4	**1.4**		--					
METALEN										
barium+	mg/kg	22	**85.2**	85.2		--			920	20
cadmium	mg/kg	<0.2	**0.21**	0.21		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	4.5	**15.8**	15.8	*	WO	15	102	190	3
koper	mg/kg	11	**20.5**	20.5		<=AW	40	115	190	5
kwik°	mg/kg	0.07	**0.098**	0.098		<=AW	0.15	18	36	0.05
lood	mg/kg	10	**14.9**	14.9		<=AW	50	290	530	10
molybdeen	mg/kg	0.58	**0.58**	0.58		<=AW	1.5	96	190	1.5
nikkel	mg/kg	13	**37.9**	37.9	*	WO	35	68	100	4
zink	mg/kg	23	**50.5**	50.5		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	<0.01	**0.007**		--	-				
fenantreen	mg/kg	0.04	**0.04**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.03	**0.03**		--	-				
benzo(a)antraceen	mg/kg	0.01	**0.01**		--	-				
chryseen	mg/kg	0.02	**0.02**		--	-				
benzo(k)fluoranteen	mg/kg	<0.01	**0.007**		--	-				
benzo(a)pyreen	mg/kg	<0.01	**0.007**		--	-				
benzo(ghi)peryleen	mg/kg	<0.01	**0.007**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	<0.01	**0.007**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.142	**0.142**	0.142		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**1.35**		--	-				
PCB 52	ug/kg	1.5	**2.88**		--	-				
PCB 101	ug/kg	1.8	**3.46**		--	-				
PCB 118	ug/kg	<1	**1.35**		--	-				
PCB 138	ug/kg	7.1	**13.7**		--	-				
PCB 153	ug/kg	10	**19.2**		--	-				
PCB 180	ug/kg	12	**23.1**		--	-				
som PCB (7) (0.7 factor)	ug/kg	33.8	**65**	65	*	IN	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**6.73**		--	--				
fractie C12-C22	mg/kg	<5	**6.73**		--	--				
fractie C22-C30	mg/kg	<5	**6.73**		--	--				
fractie C30-C40	mg/kg	<5	**6.73**		--	--				
totaal olie C10 - C40	mg/kg	<20	**26.9**	26.9		<=AW	190	2595	5000	35

Monstercode	Monsteromschrijving
13391075-002	*MM BG Zuid MM BG Zuid B04 (0-20) B06 (0-25) B07 (0-20) B16 (0-25)*

Toetsing volgens BoToVa, module T.1-Beoordeling kwaliteit van grond en bagger bij toepassing op of in de bodem
(Toetsversie 3.0.0, toetskader BBK, SIKB versie 13.3.0, toetsingsdatum: 04-02-2021 - 14:32)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM OG
Monstersoort	Grond (AS3000)
Monster conclusie	**Altijd toepasbaar**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	87.9	**87.9**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	1.0	**1**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	<1	**<1**		--					
METALEN										
barium+	mg/kg	<20	**54.2**	54.2		--			920	20
cadmium	mg/kg	<0.2	**0.241**	0.241		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	<1.5	**3.69**	3.69		<=AW	15	102	190	3
koper	mg/kg	<5	**7.24**	7.24		<=AW	40	115	190	5
kwik°	mg/kg	<0.05	**0.0503**	0.0503		<=AW	0.15	18	36	0.05
lood	mg/kg	<10	**11**	11		<=AW	50	290	530	10
molybdeen	mg/kg	<0.5	**0.35**	0.35		<=AW	1.5	96	190	1.5
nikkel	mg/kg	3.8	**11.1**	11.1		<=AW	35	68	100	4
zink	mg/kg	<20	**33.2**	33.2		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	<0.01	**0.007**		--	-				
fenantreen	mg/kg	<0.01	**0.007**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.02	**0.02**		--	-				
benzo(a)antraceen	mg/kg	0.01	**0.01**		--	-				
chryseen	mg/kg	0.01	**0.01**		--	-				
benzo(k)fluoranteen	mg/kg	0.02	**0.02**		--	-				
benzo(a)pyreen	mg/kg	0.02	**0.02**		--	-				
benzo(ghi)peryleen	mg/kg	0.03	**0.03**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	0.03	**0.03**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.161	**0.161**	0.161		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**3.5**		--	-				
PCB 52	ug/kg	<1	**3.5**		--	-				
PCB 101	ug/kg	<1	**3.5**		--	-				
PCB 118	ug/kg	<1	**3.5**		--	-				
PCB 138	ug/kg	<1	**3.5**		--	-				
PCB 153	ug/kg	<1	**3.5**		--	-				
PCB 180	ug/kg	<1	**3.5**		--	-				
som PCB (7) (0.7 factor)	ug/kg	4.9	**24.5**	24.5		<=AW	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**17.5**		--	--				
fractie C12-C22	mg/kg	<5	**17.5**		--	--				
fractie C22-C30	mg/kg	<5	**17.5**		--	--				
fractie C30-C40	mg/kg	<5	**17.5**		--	--				
totaal olie C10 - C40	mg/kg	<20	**70**	70		<=AW	190	2595	5000	35

Monstercode	Monsteromschrijving
13391075-003	*MM OG MM OG B02 (20-70) B03 (20-70) B04 (20-60)*

Verklaring kolommen

SR	*Resultaat op het analyserapport*
BT	*Berekend toetsresultaat (omgerekend naar standaard bodem). Bij organische stof en lutum staan de voor de toetsing gebruikte waarden.*
BC	*Toetsoordeel*
ST	*SYNLAB toetsings resultaat (door SYNLAB berekend)*
SC	*SYNLAB toetsings conclusie (door SYNLAB bepaald)*
AW	*Achtergrondwaarde (door SYNLAB beheerd)*
T	*Tussenwaarde (door SYNLAB berekend en beheerd maar niet meer beschreven in de wetgeving)*
I	*Interventie waarde (door SYNLAB beheerd)*
RBK	*Tabel 1 (rapportagegrenzen), Staatscourant nr. 22335 (02-11-2012).*

Verklaring toetsingsoordelen

-	*Geen toetsoordeel mogelijk*
--	*Heeft geen normwaarde, zorgplicht van toepassing*
---	*Interventiewaarde ontbreekt, zorgplicht van toepassing*
#	*Verhoogde rapportagegrens, voor meer informatie zie analysecertificaat*
+	*De normen voor barium zijn ingetrokken. Indien er sprake is van verhoogde bariumgehalten ten opzichte van de natuurlijke achtergrond als gevolg van een antropogene bron, kan dit gehalte door het bevoegd gezag worden beoordeeld op basis van de voormalige interventiewaarde voor barium van 625 mg/kg d.s (waterbodem) en de interventiewaarde voor landbodem van 920 mg/kg (landbodem).*
°	*Er staan twee interventie waardes beschreven voor kwik in grond in de circulaire bodemsanering (per 1 juli 2013); 4 mg/kg d.s. voor organisch kwik en 36 mg/kg d.s. voor anorganisch kwik. Het analyse resultaat is het gehalte aan kwik. Er kan daarin geen verder onderscheid worden gemaakt tussen de twee soorten. Voor deze toetsing wordt de eis van 36 mg/kg d.s. gehanteerd.*
<=AW	*Kleiner dan of gelijk aan de achtergrondwaarde*
WO	*Wonen*
IN	*Industrie*
NT	*(Pfas) Niet toepasbaar*
¤	*Indien de gebiedskwaliteit niet bekend is blijft de bepalingsgrens de toepassingsnorm voor het toepassen van grond en baggerspecie in grondwaterbeschermingsgebieden.*
,zp	*Interventiewaarde ontbreekt, zorgplicht van toepassing.*
>I	*Groter dan interventiewaarde*
>(ind)I	*INEV (Indicatieve interventiewaarde) wordt overschreden*
somIW>1	*Interventiewaarde wordt overschreden door som fractie interventiewaarde > 1 (interventie factor)*
^	*Enkele parameters ontbreken in de som*
NT>I	*Niet toepasbaar > interventiewaarde*
NT	*Niet toepasbaar*
***	*Het gehalte is groter dan de streefwaarde/achtergrondwaarde en kleiner dan of gelijk aan het gemiddelde van de streef/achtergrond- en interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
****	*Het gehalte is groter dan het gemiddelde van de streef/achtergrond- en interventiewaarde en kleiner dan of gelijk aan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
*****	*Het gehalte is groter dan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
BT/BC gem	*gemiddelde op basis van standaard bodemtype (humus 10% en lutum 25%)*

Kleur informatie

Rood	*overschrijding klasse B / Interventiewaarde, nooit toepasbaar*
Oranje	*>= Tussenwaarde (BI ligt tussen 0.5 en 1) of groter dan de B waarde (component niveau)*
	Klasse wonen of klasse industrie (monsterniveau)
Blauw	*>= Achtergrond waarde, industrie of wonen op component niveau*

Normenblad
Toetskeuze: T.1: Beoordeling kwaliteit van grond en bagger bij toepassing op of in de bodem

Analyse	Eenheid	AW	Wo	Ind	I
METALEN					
cadmium	mg/kg	0.6	1.2	4.3	13
kobalt	mg/kg	15	35	190	190
koper	mg/kg	40	54	190	190
kwik°	mg/kg	0.15	0.83	4.8	36
lood	mg/kg	50	210	530	530
molybdeen	mg/kg	1.5	88	190	190
nikkel	mg/kg	35	39	100	100
zink	mg/kg	140	200	720	720
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN					
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	1.5	6.8	40	40
POLYCHLOORBIFENYLEN (PCB)					
som PCB (7) (0.7 factor)	ug/kg	20	40	500	1000
MINERALE OLIE					
totaal olie C10 - C40	mg/kg	190	190	500	5000
PER- EN POLYFLUORALKYLSTOFFEN-toetsing uitgevoerd door SYNLAB					
PFBA (perfluorbutaanzuur)	ug/kg	1.4	3	3	--
PFPeA (perfluorpentaanzuur)	ug/kg	1.4	3	3	--
PFHxA (perfluorhexaanzuur)	ug/kg	1.4	3	3	--
PFHpA (perfluorheptaanzuur)	ug/kg	1.4	3	3	--
PFOA lineair (perfluoroctaanzuur)	ug/kg	--	--	--	--
PFOA vertakt (perfluoroctaanzuur)	ug/kg	--	--	--	--
som PFOA (0.7 factor)	ug/kg	1.9	7	7	1100
PFNA (perfluornonaanzuur)	ug/kg	1.4	3	3	--
PFDA (perfluordecaanzuur)	ug/kg	1.4	3	3	--
PFUnDA (perfluorundecaanzuur)	ug/kg	1.4	3	3	--
PFDoDA (perfluordodecaanzuur)	ug/kg	1.4	3	3	--
PFTrDA (perfluortridecaanzuur)	ug/kg	1.4	3	3	--
PFTeDA (perfluortetradecaanzuur)	ug/kg	1.4	3	3	--
PFHxDA (perfluorhexadecaanzuur)	ug/kg	1.4	3	3	--
PFODA (perfluoroctadecaanzuur)	ug/kg	1.4	3	3	--
PFBS (perfluorbutaansulfonzuur)	ug/kg	1.4	3	3	--
PFPeS (perfluorpentaansulfonzuur)	ug/kg	1.4	3	3	--
PFHxS (perfluorhexaansulfonzuur)	ug/kg	1.4	3	3	--
PFHpS (perfluorheptaansulfonzuur)	ug/kg	1.4	3	3	--
PFOS lineair (perfluoroctaansulfonzuur)	ug/kg	--	--	--	--
PFOS vertakt (perfluoroctaansulfonzuur)	ug/kg	--	--	--	--
som PFOS (0.7 factor)	ug/kg	1.4	3	3	110
PFDS (perfluordecaansulfonzuur)	ug/kg	1.4	3	3	--
4:2 FTS (4:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
6:2 FTS (6:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
8:2 FTS (8:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
10:2 FTS (10:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
MeFOSAA (n-methyl perfluoroctaansulfonamide acetaat)	ug/kg	1.4	3	3	--
EtFOSAA (n-ethyl perfluoroctaansulfonamide acetaat)	ug/kg	1.4	3	3	--
PFOSA (perfluoroctaansulfonamide)	ug/kg	1.4	3	3	--
MeFOSA (n-methyl perfluoroctaansulfonamide)	ug/kg	1.4	3	3	--
8:2 DiPAP (8:2 fluortelomeer fosfaat diester)	ug/kg	1.4	3	3	--

* Indicatief niveau voor ernstige verontreiniging

Legenda normenblad
AW = Achtergrondwaarden
WO = Maximale waarden bodemfunctieklasse wonen
IND = Maximale waarden bodemfunctieklasse industrie
I = Interventiewaarden
Normen en definities http://www.rwsleefomgeving.nl/onderwerpen/bodem-ondergrond/bbk/instrumenten/botova/downloads

Toetsing volgens BoToVa, module T.1-Beoordeling kwaliteit van grond en bagger bij toepassing op of in de bodem
(Toetsversie 3.0.0, toetskader BBK, SIKB versie 13.3.0, toetsingsdatum: 16-02-2021 - 17:45)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM BG Mast
Monstersoort	Grond (AS3000)
Monster conclusie	**Klasse industrie**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	86.2	**86.2**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	2.5	**2.5**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	<1	**<1**		--					
METALEN										
barium+	mg/kg	<20	**54.2**	54.2		--			920	20
cadmium	mg/kg	0.24	**0.404**	0.404		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	<1.5	**3.69**	3.69		<=AW	15	102	190	3
koper	mg/kg	11	**22.4**	22.4		<=AW	40	115	190	5
kwik°	mg/kg	<0.05	**0.0501**	0.0501		<=AW	0.15	18	36	0.05
lood	mg/kg	10	**15.6**	15.6		<=AW	50	290	530	10
molybdeen	mg/kg	<0.5	**0.35**	0.35		<=AW	1.5	96	190	1.5
nikkel	mg/kg	<3	**6.12**	6.12		<=AW	35	68	100	4
zink	mg/kg	47	**110**	110		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	<0.01	**0.007**		--	-				
fenantreen	mg/kg	0.02	**0.02**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.08	**0.08**		--	-				
benzo(a)antraceen	mg/kg	0.05	**0.05**		--	-				
chryseen	mg/kg	0.05	**0.05**		--	-				
benzo(k)fluoranteen	mg/kg	0.04	**0.04**		--	-				
benzo(a)pyreen	mg/kg	0.05	**0.05**		--	-				
benzo(ghi)peryleen	mg/kg	0.05	**0.05**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	0.05	**0.05**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.404	**0.404**	0.404		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**2.8**		--	-				
PCB 52	ug/kg	<1	**2.8**		--	-				
PCB 101	ug/kg	<1	**2.8**		--	-				
PCB 118	ug/kg	<1	**2.8**		--	-				
PCB 138	ug/kg	2.0	**8**		--	-				
PCB 153	ug/kg	3.3	**13.2**		--	-				
PCB 180	ug/kg	3.0	**12**		--	-				
som PCB (7) (0.7 factor)	ug/kg	11.1	**44.4**	44.4	*	IN	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**14**		--	--				
fractie C12-C22	mg/kg	<5	**14**		--	--				
fractie C22-C30	mg/kg	<5	**14**		--	--				
fractie C30-C40	mg/kg	<5	**14**		--	--				
totaal olie C10 - C40	mg/kg	<20	**56**	56		<=AW	190	2595	5000	35

Monstercode	Monsteromschrijving
13394525-001	*MM BG Mast MM BG Mast B01 (0-30) B17 (0-35) B18 (0-20) B19 (0-25)*

Verklaring kolommen

SR	*Resultaat op het analyserapport*
BT	*Berekend toetsresultaat (omgerekend naar standaard bodem). Bij organische stof en lutum staan de voor de toetsing gebruikte waarden.*
BC	*Toetsoordeel*
ST	*SYNLAB toetsings resultaat (door SYNLAB berekend)*
SC	*SYNLAB toetsings conclusie (door SYNLAB bepaald)*
AW	*Achtergrondwaarde (door SYNLAB beheerd)*
T	*Tussenwaarde (door SYNLAB berekend en beheerd maar niet meer beschreven in de wetgeving)*
I	*Interventie waarde (door SYNLAB beheerd)*
RBK	*Tabel 1 (rapportagegrenzen), Staatscourant nr. 22335 (02-11-2012).*

Verklaring toetsingsoordelen

-	*Geen toetsoordeel mogelijk*
--	*Heeft geen normwaarde, zorgplicht van toepassing*
---	*Interventiewaarde ontbreekt, zorgplicht van toepassing*
#	*Verhoogde rapportagegrens, voor meer informatie zie analysecertificaat*
+	*De normen voor barium zijn ingetrokken. Indien er sprake is van verhoogde bariumgehalten ten opzichte van de natuurlijke achtergrond als gevolg van een antropogene bron, kan dit gehalte door het bevoegd gezag worden beoordeeld op basis van de voormalige interventiewaarde voor barium van 625 mg/kg d.s (waterbodem) en de interventiewaarde voor landbodem van 920 mg/kg (landbodem).*
°	*Er staan twee interventie waardes beschreven voor kwik in grond in de circulaire bodemsanering (per 1 juli 2013); 4 mg/kg d.s. voor organisch kwik en 36 mg/kg d.s. voor anorganisch kwik. Het analyse resultaat is het gehalte aan kwik. Er kan daarin geen verder onderscheid worden gemaakt tussen de twee soorten. Voor deze toetsing wordt de eis van 36 mg/kg d.s. gehanteerd.*
<=AW	*Kleiner dan of gelijk aan de achtergrondwaarde*
WO	*Wonen*
IN	*Industrie*
,zp	*Interventiewaarde ontbreekt, zorgplicht van toepassing.*
>I	*Groter dan interventiewaarde*
>(ind)I	*INEV (Indicatieve interventiewaarde) wordt overschreden*
somIW>1	*Interventiewaarde wordt overschreden door som fractie interventiewaarde > 1 (interventie factor)*
^	*Enkele parameters ontbreken in de som*
NT>I	*Niet toepasbaar > interventiewaarde*
NT	*Niet toepasbaar*
***	*Het gehalte is groter dan de streefwaarde/achtergrondwaarde en kleiner dan of gelijk aan het gemiddelde van de streef/achtergrond- en interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
****	*Het gehalte is groter dan het gemiddelde van de streef/achtergrond- en interventiewaarde en kleiner dan of gelijk aan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
*****	*Het gehalte is groter dan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
BT/BC gem	*gemiddelde op basis van standaard bodemtype (humus 10% en lutum 25%)*

Kleur informatie

Rood	*overschrijding klasse B / Interventiewaarde, nooit toepasbaar*
Oranje	*>= Tussenwaarde (BI ligt tussen 0.5 en 1) of groter dan de B waarde (component niveau)* *Klasse wonen of klasse industrie (monsterniveau)*
Blauw	*>= Achtergrond waarde, industrie of wonen op component niveau*

Normenblad
Toetskeuze: T.1: Beoordeling kwaliteit van grond en bagger bij toepassing op of in de bodem

Analyse	Eenheid	AW	Wo	Ind	I
METALEN					
cadmium	mg/kg	0.6	1.2	4.3	13
kobalt	mg/kg	15	35	190	190
koper	mg/kg	40	54	190	190
kwik°	mg/kg	0.15	0.83	4.8	36
lood	mg/kg	50	210	530	530
molybdeen	mg/kg	1.5	88	190	190
nikkel	mg/kg	35	39	100	100
zink	mg/kg	140	200	720	720
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN					
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	1.5	6.8	40	40
POLYCHLOORBIFENYLEN (PCB)					
som PCB (7) (0.7 factor)	ug/kg	20	40	500	1000
MINERALE OLIE					
totaal olie C10 - C40	mg/kg	190	190	500	5000

*	Indicatief niveau voor ernstige verontreiniging
Legenda normenblad	
AW	= Achtergrondwaarden
WO	= Maximale waarden bodemfunctieklasse wonen
IND	= Maximale waarden bodemfunctieklasse industrie
I	= Interventiewaarden
Normen en definities	http://www.rwsleefomgeving.nl/onderwerpen/bodem-ondergrond/bbk/instrumenten/botova/downloads

Toetsing volgens BoToVa, module T.12-Beoordeling kwaliteit van grond volgens Wbb
(Toetsversie 3.0.0, toetskader WBB, SIKB versie 13.3.0, toetsingsdatum: 04-02-2021 - 14:29)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM BG Noord
Monstersoort	Grond (AS3000)
Monster conclusie (excl PFAS)	**Overschrijding Achtergrondwaarde**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	86.1	**86.1**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	5.7	**5.7**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	<1	**<1**		--					
METALEN										
barium+	mg/kg	35	**136**	136		--			920	20
cadmium	mg/kg	<0.2	**0.206**	0.206		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	9.2	**32.3**	32.3	*	WO	15	102	190	3
koper	mg/kg	16	**29.4**	29.4		<=AW	40	115	190	5
kwik°	mg/kg	<0.05	**0.0488**	0.0488		<=AW	0.15	18	36	0.05
lood	mg/kg	12	**17.7**	17.7		<=AW	50	290	530	10
molybdeen	mg/kg	1.1	**1.1**	1.1		<=AW	1.5	96	190	1.5
nikkel	mg/kg	21	**61.2**	61.2	*	IN	35	68	100	4
zink	mg/kg	30	**65.1**	65.1		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	0.02	**0.02**		--	-				
fenantreen	mg/kg	0.05	**0.05**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.01	**0.01**		--	-				
benzo(a)antraceen	mg/kg	0.01	**0.01**		--	-				
chryseen	mg/kg	0.01	**0.01**		--	-				
benzo(k)fluoranteen	mg/kg	<0.01	**0.007**		--	-				
benzo(a)pyreen	mg/kg	<0.01	**0.007**		--	-				
benzo(ghi)peryleen	mg/kg	<0.01	**0.007**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	<0.01	**0.007**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.135	**0.135**	0.135		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**1.23**		--	-				
PCB 52	ug/kg	<1	**1.23**		--	-				
PCB 101	ug/kg	<1	**1.23**		--	-				
PCB 118	ug/kg	<1	**1.23**		--	-				
PCB 138	ug/kg	<1	**1.23**		--	-				
PCB 153	ug/kg	<1	**1.23**		--	-				
PCB 180	ug/kg	<1	**1.23**		--	-				
som PCB (7) (0.7 factor)	ug/kg	4.9	**8.6**	8.6		<=AW	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**6.14**		--	--				
fractie C12-C22	mg/kg	<5	**6.14**		--	--				
fractie C22-C30	mg/kg	<5	**6.14**		--	--				
fractie C30-C40	mg/kg	<5	**6.14**		--	--				
totaal olie C10 - C40	mg/kg	<20	**24.6**	24.6		<=AW	190	2595	5000	35
PER- EN POLYFLUORALKYLSTOFFEN	**-toetsing uitgevoerd door SYNLAB**									
PFBA (perfluorbutaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFPeA (perfluorpentaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFHxA (perfluorhexaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFHpA (perfluorheptaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFOA lineair (perfluoroctaanzuur)	µg/kgds	0.11	0.11		0.11	--	0.10	--	---	--
PFOA vertakt (perfluoroctaanzuur)	µg/kgds	<0.1	0.07		0.07	-	0.10	--	---	--
som PFOA (0.7 factor)	µg/kgds	0.18	0.18 ¤		0.18 ¤	-	0.14	--	---	--
PFNA (perfluornonaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFDA (perfluordecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFUnDA (perfluorundecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFDoDA (perfluordodecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFTrDA (perfluortridecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFTeDA (perfluortetradecaanzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--
PFHxDA (perfluorhexadecaanzuur)	µg/kgds	<0.1	0.07		0.07	-	0.10	--	---	--
PFODA (perfluoroctadecaanzuur)	µg/kgds	<0.1	0.07		0.07	-	0.10	--	---	--
PFBS (perfluorbutaansulfonzuur)	µg/kgds	<0.1	0.07		0.07	--	0.10	--	---	--

PFPeS (perfluorpentaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
PFHxS (perfluorhexaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
PFHpS (perfluorheptaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
PFOS lineair (perfluoroctaansulfonzuur)	µg/kgds	0.29	0.29	0.29	--	0.10	--	---	--
PFOS vertakt (perfluoroctaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
som PFOS (0.7 factor)	µg/kgds	0.36	0.36 ¤	0.36 ¤	-	0.14	--	---	--
PFDS (perfluordecaansulfonzuur)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
4:2 FTS (4:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
6:2 FTS (6:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
8:2 FTS (8:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
10:2 FTS (10:2 fluortelomeer sulfonzuur)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
MeFOSAA (n-methyl perfluoroctaansulfonamide acetaat)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
EtFOSAA (n-ethyl perfluoroctaansulfonamide acetaat)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
PFOSA (perfluoroctaansulfonamide)	µg/kgds	<0.1	0.07	0.07	--	0.10	--	---	--
MeFOSA (n-methyl perfluoroctaansulfonamide)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--
8:2 DiPAP (8:2 fluortelomeer fosfaat diester)	µg/kgds	<0.1	0.07	0.07	-	0.10	--	---	--

Monstercode	Monsteromschrijving
13391075-001	*MM BG Noord MM BG Noord B08 (0-20) B11 (0-25) B12 (0-20) B15 (0-20)*

Toetsing volgens BoToVa, module T.12-Beoordeling kwaliteit van grond volgens Wbb
(Toetsversie 3.0.0, toetskader WBB, SIKB versie 13.3.0, toetsingsdatum: 04-02-2021 - 14:29)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM BG Zuid
Monstersoort	Grond (AS3000)
Monster conclusie	**Overschrijding Achtergrondwaarde**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	91.0	**91**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	5.2	**5.2**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	1.4	**1.4**		--					
METALEN										
barium+	mg/kg	22	**85.2**	85.2		--			920	20
cadmium	mg/kg	<0.2	**0.21**	0.21		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	4.5	**15.8**	15.8	*	WO	15	102	190	3
koper	mg/kg	11	**20.5**	20.5		<=AW	40	115	190	5
kwik°	mg/kg	0.07	**0.098**	0.098		<=AW	0.15	18	36	0.05
lood	mg/kg	10	**14.9**	14.9		<=AW	50	290	530	10
molybdeen	mg/kg	0.58	**0.58**	0.58		<=AW	1.5	96	190	1.5
nikkel	mg/kg	13	**37.9**	37.9	*	WO	35	68	100	4
zink	mg/kg	23	**50.5**	50.5		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	<0.01	**0.007**		--	-				
fenantreen	mg/kg	0.04	**0.04**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.03	**0.03**		--	-				
benzo(a)antraceen	mg/kg	0.01	**0.01**		--	-				
chryseen	mg/kg	0.02	**0.02**		--	-				
benzo(k)fluoranteen	mg/kg	<0.01	**0.007**		--	-				
benzo(a)pyreen	mg/kg	<0.01	**0.007**		--	-				
benzo(ghi)peryleen	mg/kg	<0.01	**0.007**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	<0.01	**0.007**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.142	**0.142**	0.142		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**1.35**		--	-				
PCB 52	ug/kg	1.5	**2.88**		--	-				
PCB 101	ug/kg	1.8	**3.46**		--	-				
PCB 118	ug/kg	<1	**1.35**		--	-				
PCB 138	ug/kg	7.1	**13.7**		--	-				
PCB 153	ug/kg	10	**19.2**		--	-				
PCB 180	ug/kg	12	**23.1**		--	-				
som PCB (7) (0.7 factor)	ug/kg	33.8	**65**	65	*	IN	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**6.73**		--	--				
fractie C12-C22	mg/kg	<5	**6.73**		--	--				
fractie C22-C30	mg/kg	<5	**6.73**		--	--				
fractie C30-C40	mg/kg	<5	**6.73**		--	--				
totaal olie C10 - C40	mg/kg	<20	**26.9**	26.9		<=AW	190	2595	5000	35

Monstercode	Monsteromschrijving
13391075-002	*MM BG Zuid MM BG Zuid B04 (0-20) B06 (0-25) B07 (0-20) B16 (0-25)*

Toetsing volgens BoToVa, module T.12-Beoordeling kwaliteit van grond volgens Wbb
(Toetsversie 3.0.0, toetskader WBB, SIKB versie 13.3.0, toetsingsdatum: 04-02-2021 - 14:29)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM OG
Monstersoort	Grond (AS3000)
Monster conclusie	**Voldoet aan Achtergrondwaarde**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	87.9	**87.9**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	1.0	**1**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	<1	**<1**		--					
METALEN										
barium+	mg/kg	<20	**54.2**	54.2		--			920	20
cadmium	mg/kg	<0.2	**0.241**	0.241		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	<1.5	**3.69**	3.69		<=AW	15	102	190	3
koper	mg/kg	<5	**7.24**	7.24		<=AW	40	115	190	5
kwik°	mg/kg	<0.05	**0.0503**	0.0503		<=AW	0.15	18	36	0.05
lood	mg/kg	<10	**11**	11		<=AW	50	290	530	10
molybdeen	mg/kg	<0.5	**0.35**	0.35		<=AW	1.5	96	190	1.5
nikkel	mg/kg	3.8	**11.1**	11.1		<=AW	35	68	100	4
zink	mg/kg	<20	**33.2**	33.2		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	<0.01	**0.007**		--	-				
fenantreen	mg/kg	<0.01	**0.007**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.02	**0.02**		--	-				
benzo(a)antraceen	mg/kg	0.01	**0.01**		--	-				
chryseen	mg/kg	0.01	**0.01**		--	-				
benzo(k)fluoranteen	mg/kg	0.02	**0.02**		--	-				
benzo(a)pyreen	mg/kg	0.02	**0.02**		--	-				
benzo(ghi)peryleen	mg/kg	0.03	**0.03**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	0.03	**0.03**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.161	**0.161**	0.161		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**3.5**		--	-				
PCB 52	ug/kg	<1	**3.5**		--	-				
PCB 101	ug/kg	<1	**3.5**		--	-				
PCB 118	ug/kg	<1	**3.5**		--	-				
PCB 138	ug/kg	<1	**3.5**		--	-				
PCB 153	ug/kg	<1	**3.5**		--	-				
PCB 180	ug/kg	<1	**3.5**		--	-				
som PCB (7) (0.7 factor)	ug/kg	4.9	**24.5**	24.5		<=AW	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**17.5**		--	--				
fractie C12-C22	mg/kg	<5	**17.5**		--	--				
fractie C22-C30	mg/kg	<5	**17.5**		--	--				
fractie C30-C40	mg/kg	<5	**17.5**		--	--				
totaal olie C10 - C40	mg/kg	<20	**70**	70		<=AW	190	2595	5000	35

Monstercode	Monsteromschrijving
13391075-003	*MM OG MM OG B02 (20-70) B03 (20-70) B04 (20-60)*

Verklaring kolommen

SR	*Resultaat op het analyserapport*
BT	*Berekend toetsresultaat (omgerekend naar standaard bodem). Bij organische stof en lutum staan de voor de toetsing gebruikte waarden.*
BC	*Toetsoordeel*
ST	*SYNLAB toetsings resultaat (door SYNLAB berekend)*
SC	*SYNLAB toetsings conclusie (door SYNLAB bepaald)*
AW	*Achtergrondwaarde (door SYNLAB beheerd)*
T	*Tussenwaarde (door SYNLAB berekend en beheerd maar niet meer beschreven in de wetgeving)*
I	*Interventie waarde (door SYNLAB beheerd)*
RBK	*Tabel 1 (rapportagegrenzen), Staatscourant nr. 22335 (02-11-2012).*

Verklaring toetsingsoordelen

-	*Geen toetsoordeel mogelijk*
--	*Heeft geen normwaarde, zorgplicht van toepassing*
---	*Interventiewaarde ontbreekt, zorgplicht van toepassing*
#	*Verhoogde rapportagegrens, voor meer informatie zie analysecertificaat*
+	*De normen voor barium zijn ingetrokken. Indien er sprake is van verhoogde bariumgehalten ten opzichte van de natuurlijke achtergrond als gevolg van een antropogene bron, kan dit gehalte door het bevoegd gezag worden beoordeeld op basis van de voormalige interventiewaarde voor barium van 625 mg/kg d.s (waterbodem) en de interventiewaarde voor landbodem van 920 mg/kg (landbodem).*
°	*Er staan twee interventie waardes beschreven voor kwik in grond in de circulaire bodemsanering (per 1 juli 2013); 4 mg/kg d.s. voor organisch kwik en 36 mg/kg d.s. voor anorganisch kwik. Het analyse resultaat is het gehalte aan kwik. Er kan daarin geen verder onderscheid worden gemaakt tussen de twee soorten. Voor deze toetsing wordt de eis van 36 mg/kg d.s. gehanteerd.*
<=AW	*Kleiner dan of gelijk aan de achtergrondwaarde*
WO	*Wonen*
IN	*Industrie*
NT	*(Pfas) Niet toepasbaar*
¤	*Indien de gebiedskwaliteit niet bekend is blijft de bepalingsgrens de toepassingsnorm voor het toepassen van grond en baggerspecie in grondwaterbeschermingsgebieden.*
,zp	*Interventiewaarde ontbreekt, zorgplicht van toepassing*
>I	*Groter dan interventiewaarde*
>(ind)I	*INEV (Indicatieve interventiewaarde) wordt overschreden*
somIW>1	*Interventiewaarde wordt overschreden door som fractie interventiewaarde > 1 (interventie factor)*
^	*Enkele parameters ontbreken in de som*
>IND	*Groter dan industrie*
*	*Het gehalte is groter dan de streefwaarde/achtergrondwaarde en kleiner dan of gelijk aan het gemiddelde van de streef/achtergrond- en interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
**	*Het gehalte is groter dan het gemiddelde van de streef/achtergrond- en interventiewaarde en kleiner dan of gelijk aan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
***	*Het gehalte is groter dan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*

Kleur informatie

Rood	*> Interventiewaarde*
Roze	*> Industrie*
Oranje	*>= Tussenwaarde (BI ligt tussen 0.5 en 1)*
Blauw	*>= Achtergrond waarde*

Normenblad
Toetskeuze: T.12: Beoordeling kwaliteit van grond volgens Wbb

Analyse	Eenheid	AW	Wo	Ind	I
METALEN					
cadmium	mg/kg	0.6	1.2	4.3	13
kobalt	mg/kg	15	35	190	190
koper	mg/kg	40	54	190	190
kwik°	mg/kg	0.15	0.83	4.8	36
lood	mg/kg	50	210	530	530
molybdeen	mg/kg	1.5	88	190	190
nikkel	mg/kg	35	39	100	100
zink	mg/kg	140	200	720	720
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN					
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	1.5	6.8	40	40
POLYCHLOORBIFENYLEN (PCB)					
som PCB (7) (0.7 factor)	ug/kg	20	40	500	1000
MINERALE OLIE					
totaal olie C10 - C40	mg/kg	190	190	500	5000
PER- EN POLYFLUORALKYLSTOFFEN-toetsing uitgevoerd door SYNLAB					
PFBA (perfluorbutaanzuur)	ug/kg	1.4	3	3	--
PFPeA (perfluorpentaanzuur)	ug/kg	1.4	3	3	--
PFHxA (perfluorhexaanzuur)	ug/kg	1.4	3	3	--
PFHpA (perfluorheptaanzuur)	ug/kg	1.4	3	3	--
PFOA lineair (perfluoroctaanzuur)	ug/kg	--	--	--	--
PFOA vertakt (perfluoroctaanzuur)	ug/kg	--	--	--	--
som PFOA (0.7 factor)	ug/kg	1.9	7	7	1100
PFNA (perfluornonaanzuur)	ug/kg	1.4	3	3	--
PFDA (perfluordecaanzuur)	ug/kg	1.4	3	3	--
PFUnDA (perfluorundecaanzuur)	ug/kg	1.4	3	3	--
PFDoDA (perfluordodecaanzuur)	ug/kg	1.4	3	3	--
PFTrDA (perfluortridecaanzuur)	ug/kg	1.4	3	3	--
PFTeDA (perfluortetradecaanzuur)	ug/kg	1.4	3	3	--
PFHxDA (perfluorhexadecaanzuur)	ug/kg	1.4	3	3	--
PFODA (perfluoroctadecaanzuur)	ug/kg	1.4	3	3	--
PFBS (perfluorbutaansulfonzuur)	ug/kg	1.4	3	3	--
PFPeS (perfluorpentaansulfonzuur)	ug/kg	1.4	3	3	--
PFHxS (perfluorhexaansulfonzuur)	ug/kg	1.4	3	3	--
PFHpS (perfluorheptaansulfonzuur)	ug/kg	1.4	3	3	--
PFOS lineair (perfluoroctaansulfonzuur)	ug/kg	--	--	--	--
PFOS vertakt (perfluoroctaansulfonzuur)	ug/kg	--	--	--	--
som PFOS (0.7 factor)	ug/kg	1.4	3	3	110
PFDS (perfluordecaansulfonzuur)	ug/kg	1.4	3	3	--
4:2 FTS (4:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
6:2 FTS (6:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
8:2 FTS (8:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
10:2 FTS (10:2 fluortelomeer sulfonzuur)	ug/kg	1.4	3	3	--
MeFOSAA (n-methyl perfluoroctaansulfonamide acetaat)	ug/kg	1.4	3	3	--
EtFOSAA (n-ethyl perfluoroctaansulfonamide acetaat)	ug/kg	1.4	3	3	--
PFOSA (perfluoroctaansulfonamide)	ug/kg	1.4	3	3	--
MeFOSA (n-methyl perfluoroctaansulfonamide)	ug/kg	1.4	3	3	--
8:2 DiPAP (8:2 fluortelomeer fosfaat diester)	ug/kg	1.4	3	3	--

* Indicatief niveau voor ernstige verontreiniging

Legenda normenblad
AW = Achtergrondwaarden
WO = Maximale waarden bodemfunctieklasse wonen
IND = Maximale waarden bodemfunctieklasse industrie
I = Interventiewaarden
Normen en definities http://www.rwsleefomgeving.nl/onderwerpen/bodem-ondergrond/bbk/instrumenten/botova/downloads

Toetsing volgens BoToVa, module T.12-Beoordeling kwaliteit van grond volgens Wbb
(Toetsversie 3.0.0, toetskader WBB, SIKB versie 13.3.0, toetsingsdatum: 16-02-2021 - 17:47)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	MM BG Mast
Monstersoort	Grond (AS3000)
Monster conclusie	**Overschrijding Achtergrondwaarde**

Analyse	Eenheid	SR	BT	ST	SC	BC	AW	T	I	RBK
monster voorbehandeling		Ja			-					
droge stof	%	86.2	**86.2**		--					
gewicht artefacten	g	<1			--					
aard van de artefacten	-	Geen								
organische stof (gloeiverlies)	%	2.5	**2.5**		--					
KORRELGROOTTEVERDELING										
lutum (bodem)	% vd DS	<1	**<1**		--					
METALEN										
barium+	mg/kg	<20	**54.2**	54.2		--			920	20
cadmium	mg/kg	0.24	**0.404**	0.404		<=AW	0.6	6.8	13	0.2
kobalt	mg/kg	<1.5	**3.69**	3.69		<=AW	15	102	190	3
koper	mg/kg	11	**22.4**	22.4		<=AW	40	115	190	5
kwik°	mg/kg	<0.05	**0.0501**	0.0501		<=AW	0.15	18	36	0.05
lood	mg/kg	10	**15.6**	15.6		<=AW	50	290	530	10
molybdeen	mg/kg	<0.5	**0.35**	0.35		<=AW	1.5	96	190	1.5
nikkel	mg/kg	<3	**6.12**	6.12		<=AW	35	68	100	4
zink	mg/kg	47	**110**	110		<=AW	140	430	720	20
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN										
naftaleen	mg/kg	<0.01	**0.007**		--	-				
fenantreen	mg/kg	0.02	**0.02**		--	-				
antraceen	mg/kg	<0.01	**0.007**		--	-				
fluoranteen	mg/kg	0.08	**0.08**		--	-				
benzo(a)antraceen	mg/kg	0.05	**0.05**		--	-				
chryseen	mg/kg	0.05	**0.05**		--	-				
benzo(k)fluoranteen	mg/kg	0.04	**0.04**		--	-				
benzo(a)pyreen	mg/kg	0.05	**0.05**		--	-				
benzo(ghi)peryleen	mg/kg	0.05	**0.05**		--	-				
indeno(1,2,3-cd)pyreen	mg/kg	0.05	**0.05**		--	-				
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	0.404	**0.404**	0.404		<=AW	1.5	21	40	0.35
POLYCHLOORBIFENYLEN (PCB)										
PCB 28	ug/kg	<1	**2.8**		--	-				
PCB 52	ug/kg	<1	**2.8**		--	-				
PCB 101	ug/kg	<1	**2.8**		--	-				
PCB 118	ug/kg	<1	**2.8**		--	-				
PCB 138	ug/kg	2.0	**8**		--	-				
PCB 153	ug/kg	3.3	**13.2**		--	-				
PCB 180	ug/kg	3.0	**12**		--	-				
som PCB (7) (0.7 factor)	ug/kg	11.1	**44.4**	44.4	*	IN	20	510	1000	4.9
MINERALE OLIE										
fractie C10-C12	mg/kg	<5	**14**		--	--				
fractie C12-C22	mg/kg	<5	**14**		--	--				
fractie C22-C30	mg/kg	<5	**14**		--	--				
fractie C30-C40	mg/kg	<5	**14**		--	--				
totaal olie C10 - C40	mg/kg	<20	**56**	56		<=AW	190	2595	5000	35

Monstercode	Monsteromschrijving
13394525-001	*MM BG Mast MM BG Mast B01 (0-30) B17 (0-35) B18 (0-20) B19 (0-25)*

Verklaring kolommen

SR	*Resultaat op het analyserapport*
BT	*Berekend toetsresultaat (omgerekend naar standaard bodem). Bij organische stof en lutum staan de voor de toetsing gebruikte waarden.*
BC	*Toetsoordeel*
ST	*SYNLAB toetsings resultaat (door SYNLAB berekend)*
SC	*SYNLAB toetsings conclusie (door SYNLAB bepaald)*
AW	*Achtergrondwaarde (door SYNLAB beheerd)*
T	*Tussenwaarde (door SYNLAB berekend en beheerd maar niet meer beschreven in de wetgeving)*
I	*Interventie waarde (door SYNLAB beheerd)*
RBK	*Tabel 1 (rapportagegrenzen), Staatscourant nr. 22335 (02-11-2012).*

Verklaring toetsingsoordelen

-	*Geen toetsoordeel mogelijk*
--	*Heeft geen normwaarde, zorgplicht van toepassing*
---	*Interventiewaarde ontbreekt, zorgplicht van toepassing*
#	*Verhoogde rapportagegrens, voor meer informatie zie analysecertificaat*
+	*De normen voor barium zijn ingetrokken. Indien er sprake is van verhoogde bariumgehalten ten opzichte van de natuurlijke achtergrond als gevolg van een antropogene bron, kan dit gehalte door het bevoegd gezag worden beoordeeld op basis van de voormalige interventiewaarde voor barium van 625 mg/kg d.s (waterbodem) en de interventiewaarde voor landbodem van 920 mg/kg (landbodem).*
°	*Er staan twee interventie waardes beschreven voor kwik in grond in de circulaire bodemsanering (per 1 juli 2013); 4 mg/kg d.s. voor organisch kwik en 36 mg/kg d.s. voor anorganisch kwik. Het analyse resultaat is het gehalte aan kwik. Er kan daarin geen verder onderscheid worden gemaakt tussen de twee soorten. Voor deze toetsing wordt de eis van 36 mg/kg d.s. gehanteerd.*
<=AW	*Kleiner dan of gelijk aan de achtergrondwaarde*
WO	*Wonen*
IN	*Industrie*
,zp	*Interventiewaarde ontbreekt, zorgplicht van toepassing*
>I	*Groter dan interventiewaarde*
>(ind)I	*INEV (Indicatieve interventiewaarde) wordt overschreden*
somIW>1	*Interventiewaarde wordt overschreden door som fractie interventiewaarde > 1 (interventie factor)*
^	*Enkele parameters ontbreken in de som*
>IND	*Groter dan industrie*
***	*Het gehalte is groter dan de streefwaarde/achtergrondwaarde en kleiner dan of gelijk aan het gemiddelde van de streef/achtergrond- en interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
****	*Het gehalte is groter dan het gemiddelde van de streef/achtergrond- en interventiewaarde en kleiner dan of gelijk aan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*
*****	*Het gehalte is groter dan de interventiewaarde (de toetsingswaarden zijn door SYNLAB beheerd)*

Kleur informatie

Rood	*> Interventiewaarde*
Roze	*> Industrie*
Oranje	*>= Tussenwaarde (BI ligt tussen 0.5 en 1)*
Blauw	*>= Achtergrond waarde*

Normenblad
Toetskeuze: T.12: Beoordeling kwaliteit van grond volgens Wbb

Analyse	Eenheid	AW	Wo	Ind	I
METALEN					
cadmium	mg/kg	0.6	1.2	4.3	13
kobalt	mg/kg	15	35	190	190
koper	mg/kg	40	54	190	190
kwik°	mg/kg	0.15	0.83	4.8	36
lood	mg/kg	50	210	530	530
molybdeen	mg/kg	1.5	88	190	190
nikkel	mg/kg	35	39	100	100
zink	mg/kg	140	200	720	720
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN					
pak-totaal (10 van VROM) (0.7 factor)	mg/kg	1.5	6.8	40	40
POLYCHLOORBIFENYLEN (PCB)					
som PCB (7) (0.7 factor)	ug/kg	20	40	500	1000
MINERALE OLIE					
totaal olie C10 - C40	mg/kg	190	190	500	5000

*	Indicatief niveau voor ernstige verontreiniging
Legenda normenblad	
AW	= Achtergrondwaarden
WO	= Maximale waarden bodemfunctieklasse wonen
IND	= Maximale waarden bodemfunctieklasse industrie
I	= Interventiewaarden
Normen en definities	http://www.rwsleefomgeving.nl/onderwerpen/bodem-ondergrond/bbk/instrumenten/botova/downloads

Toetsing volgens BoToVa, module T.13-Beoordeling kwaliteit van grondwater volgens Wbb
(Toetsversie 2.0.0, toetskader WBB, SIKB versie 13.3.0, toetsingsdatum: 11-02-2021 - 16:44)

Projectcode	377076
Projectnaam	station Eibergen
Monsteromschrijving	B01-1-1
Monstersoort	Grondwater (AS3000)
Monster conclusie	**Overschrijding Streefwaarde**

Analyse	Eenheid	SR	BT	BC
METALEN				
barium	ug/l	140	**140**	>S
cadmium	ug/l	<0.20	**0.14**	<=S
kobalt	ug/l	2.1	**2.1**	<=S
koper	ug/l	45	**45**	>S
kwik	ug/l	<0.05	**0.035**	<=S
lood	ug/l	<2.0	**1.4**	<=S
molybdeen	ug/l	<2	**1.4**	<=S
nikkel	ug/l	6.1	**6.1**	<=S
zink	ug/l	41	**41**	<=S
VLUCHTIGE AROMATEN				
benzeen	ug/l	<0.2	**0.14**	<=S
tolueen	ug/l	<0.2	**0.14**	<=S
ethylbenzeen	ug/l	<0.2	**0.14**	<=S
o-xyleen	ug/l	<0.1	**0.07**	-
p- en m-xyleen	ug/l	<0.2	**0.14**	-
xylenen (0.7 factor)	ug/l	0.21	**0.21**	<=S
styreen	ug/l	<0.2	**0.14**	<=S
naftaleen	ug/l	<0.02	**0.014**	<=S
GEHALOGENEERDE KOOLWATERSTOFFEN				
1,1-dichloorethaan	ug/l	<0.2	**0.14**	<=S
1,2-dichloorethaan	ug/l	<0.2	**0.14**	<=S
1,1-dichlooretheen	ug/l	<0.1	**0.07**	<=S
cis-1,2-dichlooretheen	ug/l	<0.1	**0.07**	-
trans-1,2-dichlooretheen	ug/l	<0.1	**0.07**	-
som (cis,trans) 1,2- dichloorethenen (0.7 factor)	ug/l	0.14	**0.14**	<=S
dichloormethaan	ug/l	<0.2	**0.14**	<=S
1,1-dichloorpropaan	ug/l	<0.2	**0.14**	-
1,2-dichloorpropaan	ug/l	<0.2	**0.14**	-
1,3-dichloorpropaan	ug/l	<0.2	**0.14**	-
som dichloorpropanen (0.7 factor)	ug/l	0.42	**0.42**	<=S
tetrachlooretheen	ug/l	<0.1	**0.07**	<=S
tetrachloormethaan	ug/l	<0.1	**0.07**	<=S
1,1,1-trichloorethaan	ug/l	<0.1	**0.07**	<=S
1,1,2-trichloorethaan	ug/l	<0.1	**0.07**	<=S
trichlooretheen	ug/l	<0.2	**0.14**	<=S
chloroform	ug/l	<0.2	**0.14**	<=S
vinylchloride	ug/l	<0.2	**0.14**	<=S
tribroommethaan	ug/l	<0.2	**0.14**	---
MINERALE OLIE				
fractie C10-C12	ug/l	<25	**17.5**	--
fractie C12-C22	ug/l	<25	**17.5**	--
fractie C22-C30	ug/l	<25	**17.5**	--
fractie C30-C40	ug/l	<25	**17.5**	--
totaal olie C10 - C40	ug/l	<50	**35**	<=S

ADDITIONELE TOETSPARAMETERS	**Eenheid**	**BT**	**BC**
13398668-001			
som 16 aromatische oplosmiddelen (Bbk, 1-1-2008)	ug/l	**0.77**	^--
som 10 polyaromatische koolwaterstoffen (VROM)	DIMSLS	**0.0002**	

Monstercode	Monsteromschrijving
13398668-001	*B01-1-1 B01-1-1 B01 (150-250)*

Verklaring kolommen

SR *Resultaat op het analyserapport*
BT *Berekend toetsresultaat (omgerekend naar standaard bodem). Bij organische stof en lutum staan de voor de toetsing gebruikte waarden.*
BC *Toetsoordeel*

Verklaring toetsingsoordelen

- *Geen toetsoordeel mogelijk*
-- *Heeft geen normwaarde, zorgplicht van toepassing*
--- *Streefwaarde ontbreekt, zorgplicht van toepassing*
*Verhoogde rapportagegrens, voor meer informatie zie analysecertificaat*
<=AW *Kleiner dan of gelijk aan de achtergrondwaarde*
<=S *Kleiner dan of gelijk aan de streefwaarde*
>S *Groter dan de streefwaarde*
>I *Groter dan interventiewaarde*
>(ind)I *INEV (Indicatieve interventiewaarde) wordt overschreden*
^ *Enkele parameters ontbreken in de som*

Kleur informatie

Rood *> Interventiewaarde*
Blauw *> streefwaarde*

Normenblad
Toetskeuze: T.13: Beoordeling kwaliteit van grondwater volgens Wbb

Analyse	Eenheid	S	I
METALEN			
barium	ug/l	50	625
cadmium	ug/l	0.4	6
kobalt	ug/l	20	100
koper	ug/l	15	75
kwik	ug/l	0.05	0.3
lood	ug/l	15	75
molybdeen	ug/l	5	300
nikkel	ug/l	15	75
zink	ug/l	65	800
VLUCHTIGE AROMATEN			
benzeen	ug/l	0.2	30
tolueen	ug/l	7	1000
ethylbenzeen	ug/l	4	150
xylenen (0.7 factor)	ug/l	0.2	70
styreen	ug/l	6	300
naftaleen	ug/l	0.01	70
GEHALOGENEERDE KOOLWATERSTOFFEN			
1,1-dichloorethaan	ug/l	7	900
1,2-dichloorethaan	ug/l	7	400
1,1-dichlooretheen	ug/l	0.01	10
dichloormethaan	ug/l	0.01	1000
som (cis,trans) 1,2- dichloorethenen (0.7 factor)	ug/l	0.01	20
som dichloorpropanen (0.7 factor)	ug/l	0.8	80
tetrachlooretheen	ug/l	0.01	40
tetrachloormethaan	ug/l	0.01	10
1,1,1-trichloorethaan	ug/l	0.01	300
1,1,2-trichloorethaan	ug/l	0.01	130
trichlooretheen	ug/l	24	500
chloroform	ug/l	6	400
vinylchloride	ug/l	0.01	5
tribroommethaan	ug/l		630
MINERALE OLIE			
totaal olie C10 - C40	ug/l	50	600

* Indicatief niveau voor ernstige verontreiniging

Legenda normenblad
S = Streefwaarden
I = Interventiewaarden
Normen en definities http://www.rwsleefomgeving.nl/onderwerpen/bodem-ondergrond/bbk/instrumenten/botova/downloads

Bijlage 7 Toetsingskader bodemkwaliteit

Algemene toelichting toetsingskader en toetsingsnormen
De Wet bodembescherming (Wbb) geeft regels voor de bescherming en sanering van de bodem. In de Wbb is aangegeven wanneer sprake is van bodemverontreiniging en wanneer deze zodanig is dat sanering met spoed nodig is. Tevens is in de Wbb aangegeven waar de saneringsdoelstelling aan moet voldoen. De concrete uitwerking hiervan is vastgelegd in circulaires, besluiten en regelingen op grond van de Wbb.
De toetsingskaders en normen voor landbodemkwaliteit zijn opgenomen in het Besluit bodemkwaliteit (Staatsblad 2007, nr. 469, met wijzigingen), de Regeling bodemkwaliteit (Staatscourant 2007, nr. 247 met wijzigingen) en de Circulaire bodemsanering 2013 (Staatscourant 2013 nr. 16675).

Chemische parameters

Mate van verontreiniging

Voor het toetsen van de mate van bodemverontreiniging met chemische parameters worden de volgende toetsingswaarden onderscheiden:

- ***Streefwaarde grondwater:*** De Streefwaarde grondwater geeft aan wat het ijkpunt is voor de milieukwaliteit op de lange termijn, uitgaande van Verwaarloosbare Risico's voor het ecosysteem.
- ***Achtergrondwaarde voor grond:*** De Achtergrondwaarden voor grond zijn vastgesteld op basis van gehalten aan stoffen zoals die voorkomen in de bodem van natuur- en landbouwgronden in Nederland die niet zijn belast door lokale verontreinigingsbronnen. Grond die voldoet aan de Achtergrondwaarde is duurzaam geschikt voor elk bodemgebruik.
- ***Interventiewaarde bodemsanering voor grond en grondwater:*** De interventiewaarde geeft het milieukwaliteitsniveau aan waarboven ernstige vermindering optreedt van de functionele eigenschappen van de bodem. De Interventiewaarden voor landbodems zijn gebaseerd op een uitgebreide RIVM-studie naar zowel humaantoxicologische als ecotoxicologische effecten van bodemverontreinigende stoffen. De Interventiewaarden voor landbodems zijn daarom gekoppeld aan de potentiële risico's van een bodemverontreiniging op een bepaalde locatie. Of sprake is van actuele risico's is afhankelijk van de specifieke locatie (inrichting van de locatie en soort gebruik). Deze risico's kunnen worden bepaald met behulp van de Risicotoolbox (Sanscrit). Meestal gebeurt een dergelijke risicobepaling pas in het stadium van een nader bodemonderzoek omdat dan voldoende gegevens voorhanden zijn.

Bodemtypecorrectie
Achtergrondwaarden en interventiewaarden met betrekking tot grond zijn getalswaarden die zijn afgeleid voor de zogenaamde standaardbodem. De standaardbodem is gedefinieerd als bodem die 25% lutum en 10% organische stof bevat. Toetsing van de gehalten aan geanalyseerde stoffen vindt plaats na omrekening van de gemeten gehalten naar gehalten in standaardbodem. Deze omrekening vindt plaats op basis van het lutum- en organische stofgehalte dat het betreffende bodemmonster is bepaald. De Interventiewaarden voor grondwater zijn afgeleid van de Interventiewaarden voor grond, maar zijn onafhankelijk van het bodemtype.

Zorgplicht
Los van het toetsingskader bodemkwaliteit is in 1987, bij de inwerkingtreding van de Wet bodembescherming, het zorgplichtartikel van kracht geworden. Iedereen die vanaf 1987 handelingen verricht die de bodem (verder) verontreinigen, is verplicht direct saneringsmaatregelen te treffen, zodat de oude situatie wordt hersteld.

Hergebruik grond voor chemische parameters

Voor het toetsen van de hergebruiksmogelijkheden van grond, zijn in het Besluit bodemkwaliteit de volgende toetsingswaarden opgenomen:

- **Achtergrondwaarde:** grond die voldoet aan de achtergrondwaarde is geschikt voor elke functie. Deze grond is altijd vrij toepasbaar.
- **Wonen:** grond die voldoet aan de maximale waarde wonen is geschikt voor de functie wonen. Deze grond kan worden toegepast in gebieden die de functie ''Wonen'' hebben in de gemeentelijke toepassingskaart
- **Industrie**: grond die voldoet aan de maximale waarde industrie is geschikt voor de functie industrie. Deze grond kan worden toegepast in gebieden die de functie ''Industrie'' hebben in de gemeentelijke toepassingskaart. Deze grond kan niet worden toegepast in gebieden met de toepassingskwaliteit Wonen of Natuur/landbouw (Achtergrondwaarde).
- **Niet toepasbaar**: grond waarin de gehalten de maximale waarde industrie overschrijden maar de interventiewaarde niet. Deze grond kan niet worden toegepast zonder maatregelen te treffen om besmetting van de omgeving te voorkomen (IBC-maatregelen).
- **Nooit toepasbaar**: grond waarin de gehalten de interventiewaarde overschrijden. Deze grond kan niet worden toegepast maar moet worden gereinigd of gestort.

De toepassingsmogelijkheden zijn dus als volgt:

		bodemfunctie			
		Natuur/landbouw	Wonen	Industrie	GBT
Kwaliteit grond	Achtergrondwaarde	Ja	Ja	Ja	Ja
	Wonen	Nee	Ja	Ja	Ja
	Industrie	Nee	Nee	Ja	Ja
	Niet toepasbaar	Nee	Nee	nee	Ja
	Nooit toepasbaar	Nee	Nee	Nee	nee

Daarnaast mag de grond:

- Ten hoogste 20% m/m steenachtig materiaal of hout bevatten
- Sporadisch ander bodemvreemd materiaal bevatten, voor zover redelijkerwijs niet kan worden gevergd dat het uit de grond wordt verwijderd vóór de toepassing.

Met ander bodemvreemd materiaal wordt met name plastics en piepschuim bedoeld. Dergelijke materialen mogen slechts sporadisch aanwezig zijn. Daarbij moet baggerspecie zorgvuldig worden ontgraven of bewerkt, zodat er zo min mogelijk bodemvreemd materiaal in de baggerspecie terecht komt. Voor zover in de baggerspecie bodemvreemd materiaal aanwezig is, moet dat vóór het toepassen daaruit worden verwijderd, voor zover dat redelijkerwijs kan worden gevergd.

Bijlage 8 Kwaliteitsborging

Sweco Nederland B.V. wil met haar producten en diensten zo goed mogelijk aan de behoeften, doelstellingen en eisen van haar opdrachtgevers voldoen. Voor het bewijsbaar en zichtbaar maken van de kwaliteit (kwaliteitsborging) beschikt Sweco Nederland B.V. over een kwaliteitssysteem. Dit kwaliteitssysteem is er mede op gericht de individuele kennis, kunde en activiteiten van de medewerkers zodanig te organiseren en af te stemmen, dat de kwaliteit van de gezamenlijk tot stand gebrachte producten en diensten zo goed mogelijk beheerst en gewaarborgd worden. De kwaliteit van de door Sweco Nederland B.V. uitgevoerde onderzoeken en gegeven adviezen op het gebied van bodembeheer wordt gewaarborgd door onderstaande:

NEN-EN-ISO 9001
Het managementsysteem van Sweco Nederland B.V. is gecertificeerd voor NEN-EN-ISO 9001. Deze norm geeft een model voor externe kwaliteitsborging en certificatie. Hierin wordt een aantal activiteiten aangegeven, die zorgen voor vertrouwen in de relatie klant/leverancier. Dit omvat zowel randvoorwaarden voor kwaliteitsverbetering als eisen voor kwaliteitsborging.

NEN-EN-ISO 14001
Het managementsysteem van Sweco Nederland B.V. is gecertificeerd voor NEN-EN-ISO 14001. Deze norm geeft eisen en richtlijnen voor het gebruik van milieuzorgsystemen. Met het certificaat toont Sweco aan dat zij de zorg voor het milieu in haar dienstverlening en interne bedrijfsvoering goed heeft georganiseerd. Kernpunten daarbij zijn het naleven van wet- en regelgeving en de voortdurende verbetering van milieuprestaties.

VKB
Sweco Nederland B.V. is actief lid van de Vereniging Kwaliteitsborging Bodembeheer (VKB). Deze vereniging van milieuadvies- en veldwerkbureaus werkt aan de kwaliteitsborging van bodemonderzoek en bodemadvies door o.a. het stellen van eisen inzake opleiding en ervaring, toepassing van normen en voorschriften en certificatie. De advies- en veldwerkzaamheden van Sweco worden uitgevoerd conform de kwaliteitseisen van deze vereniging.

SIKB
De Stichting Infrastructuur Kwaliteitsborging Bodembeheer (SIKB) is een samenwerkingsverband van markt en overheid, die werk aan de kwaliteit binnen de praktijk van bodem en ondergrond (bodembeheer, bodembescherming, waterbeheer en archeologie). De SIKB-activiteiten bestaan o.a. uit het samen met betrokkenen ontwikkelen van (werk)methoden en het vastleggen van deze methoden in handreikingen of richtlijnen (BRL's) en daaronder vallende protocollen. Daarnaast biedt zij een platform voor kennisoverdracht en kennisdeling. Sweco is actief betrokken bij het werk van SIKB en is gecertificeerd voor de BRL SIKB 2000 (uitvoeren ven veldwerk) en 6000 (milieukundige begeleiding van bodemsanering).

ARBO en VGM
Sweco Nederland B.V. voldoet aan de specifieke veiligheidseisen die voor ARBO, veiligheid, gezondheid en milieu gelden. Risico's worden op bedrijfs-, vakgebied- en projectniveau geïdentificeerd en geëvalueerd. Ook de effectiviteit van de genomen maatregelen wordt gemonitord.

Besluit Bodemkwaliteit (BBK)
Het Besluit bodemkwaliteit (onderdeel KWALIBO) richt zich op kwaliteit én integriteit van de bodemintermediair. De kwaliteitseisen zijn vastgelegd in beoordelingsrichtlijnen, protocollen en andere documenten. Met een certificaat moeten bodemintermediairs (aannemers, inspectie-instellingen, milieukundige begeleiders e.d.) aantonen dat hun bedrijf aan de kwaliteitseisen voldoet. Het bevoegd gezag mag alleen gegevens accepteren van een erkende intermediair. Bovendien moeten de personen en instellingen die bepaalde cruciale functies in het bodembeheer vervullen (milieukundige begeleiding, monsterneming bij partijkeuringen, veldwerk, certificatie en inspectie), onafhankelijk zijn

van hun opdrachtgever (eigenaar / initiatiefnemer). Functiescheiding en het (laten) uitvoeren van de aangewezen werkzaamheden door erkende bodemintermediairs gelden vanaf de datum dat erkenning verplicht is.

Kwaliteitskader veldwerk
Volgens het Besluit bodemkwaliteit dient onderzoek uitgevoerd te worden volgens door de SIKB vastgestelde beoordelingsrichtlijnen. In de rapportage wordt vermeld welke werkzaamheden zijn uitgevoerd onder de beoordelingsrichtlijnen en onderliggende protocollen:

- (water)bodem- of asbestonderzoek onder beoordelingsrichtlijn 'BRL SIKB 2000 Veldwerk bij milieuhygiënisch bodem- en waterbodemonderzoek' versie 6.0, en de bijbehorende protocollen 2001, 2002, 2003 en 2018.
- partijkeuringen onder beoordelingsrichtlijn 'BRL SIKB 1000 monsterneming voor partijkeuringen', versie 9.0 en de bijbehorende protocollen 1001, 1002, 1003 en 1004.
- mechanische boringen worden uitgevoerd onder beoordelingsrichtlijn 'BRL SIKB 2100 Mechanisch boren', versie 4.0 en het bijbehorende protocol 2101.
- milieukundige begeleiding onder beoordelingsrichtlijn 'BRL SIKB 6000 Milieukundige begeleiding van (water) bodemsaneringen, ingrepen in de waterbodem en nazorg', versie 5.0 en de bijhorende protocollen 6001, 6002 en 6003.

De in werking zijnde versies van de beoordelingsrichtlijnen en de daaronder vallende protocollen worden gehanteerd door de uitvoerende partij. Het certificaatnummer van de uitvoerende partij wordt opgenomen in de rapportage. Het moment van certificaatvernieuwing is te controleren op www.bodemplus.nl.

Tevens wordt in de rapportage opgenomen op welke punten eventueel is afgeweken van de protocollen en wat de mogelijke consequenties zijn van de afwijkingen.
Sweco Nederland B.V. voert werkzaamheden uit waarvoor zij is gecertificeerd (BRL SIKB 2000, protocollen 2001, 2002, 2003 en 2018), dan wel worden de werkzaamheden binnen de van toepassing zijnde beoordelingsrichtlijnen en bijbehorende protocollen uitbesteed aan partijen welke hiervoor door het ministerie van I&W zijn erkend.

Kwaliteitskader Laboratoriumonderzoek
De laboratoria die Sweco inschakelt voor het uitvoeren van milieukundig laboratoriumonderzoek, voldoen aan de accreditatiecriteria van de Raad voor Accreditatie conform NEN-EN-ISO/IEC 17025.

Onafhankelijkheid
Sweco Nederland B.V. verklaart hierbij dat zij en haar onderaannemers geen belang hebben bij de uitkomsten van een partijkeuring, bodem-, asbest- en/of waterbodemonderzoek. Het onderzoek wordt derhalve volgens de eisen uit het Besluit bodemkwaliteit onafhankelijk uitgevoerd.

Klachtenafhandeling
Wanneer er een meningsverschil ontstaat over de uitvoering van de werkzaamheden binnen bovengenoemd kwaliteitskader, is het mogelijk een klacht in te dienen bij Sweco. In nadere afstemming wordt dan getracht een oplossing te bieden. Indien dit geen uitkomst biedt is het mogelijk zich in tweede instantie te wenden tot de betreffende certificatie-instelling.

Notitie

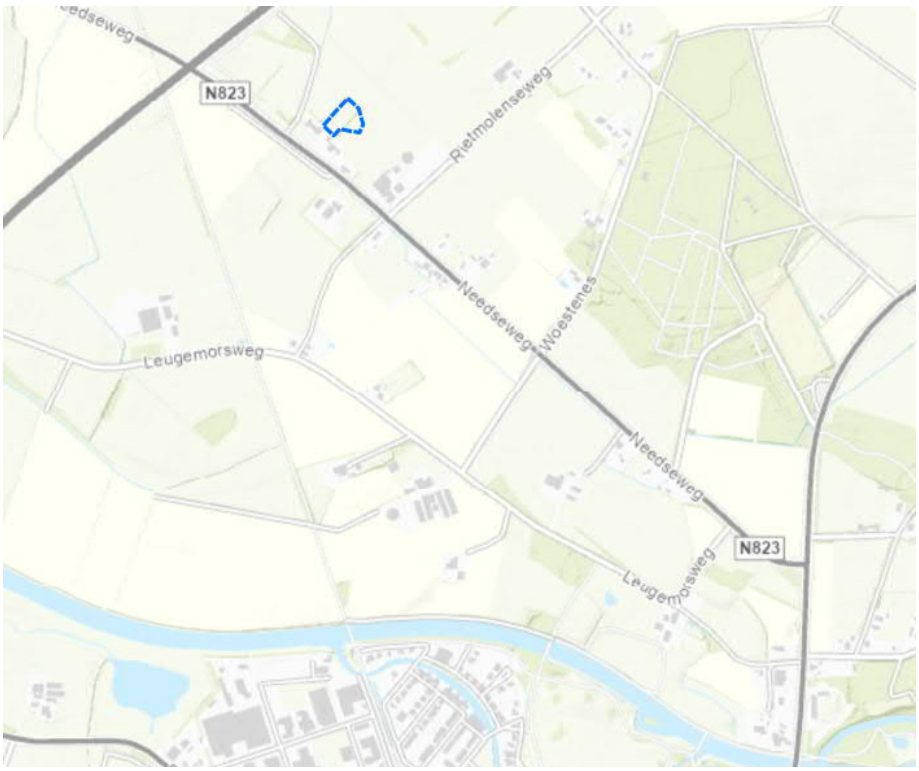
Onderwerp: Stikstofdepositie 110kV station Eibergen
Projectnummer: 51003522
Referentienummer: NL21-648800269-1090
Datum: 12-07-2021

1 Aanleiding

Tennet is voornemens om aan de Needseweg in Eibergen een 110kV-station uitbreiden. Het plangebied is gelegen ten noorden van Eibergen. De locatie is te zien op Figuur 1.

In deze notitie is het onderzoek stikstofdepositie beschreven. Hierbij is in het kader van de wet- en regelgeving voor natuur nagegaan of er vanuit deze wet- en regelgeving mogelijke belemmeringen zijn voor de planontwikkeling. Als onderdeel hiervan dienen de effecten van het plan op de stikstofdepositie in stikstofgevoelige Natura 2000-gebieden inzichtelijk te worden gemaakt. Daarbij dient te worden nagegaan of ten gevolge van het plan significante negatieve effecten optreden in 1) stikstofgevoelige habitattypen en/of 2) stikstofgevoelige leefgebieden. In deze notitie zijn de uitgangspunten en resultaten vastgelegd van de berekeningen van de stikstofdepositie als gevolg van de voorgenomen planontwikkeling, waarbij rekening wordt gehouden met zowel de aanlegfase.

Figuur 2 toont een beslisboom voor de toestemmingsverlening stikstofdepositie bij nieuwe activiteiten conform de recente beleidslijnen. Deze notitie voorziet in stap 1 (AERIUS-berekening).

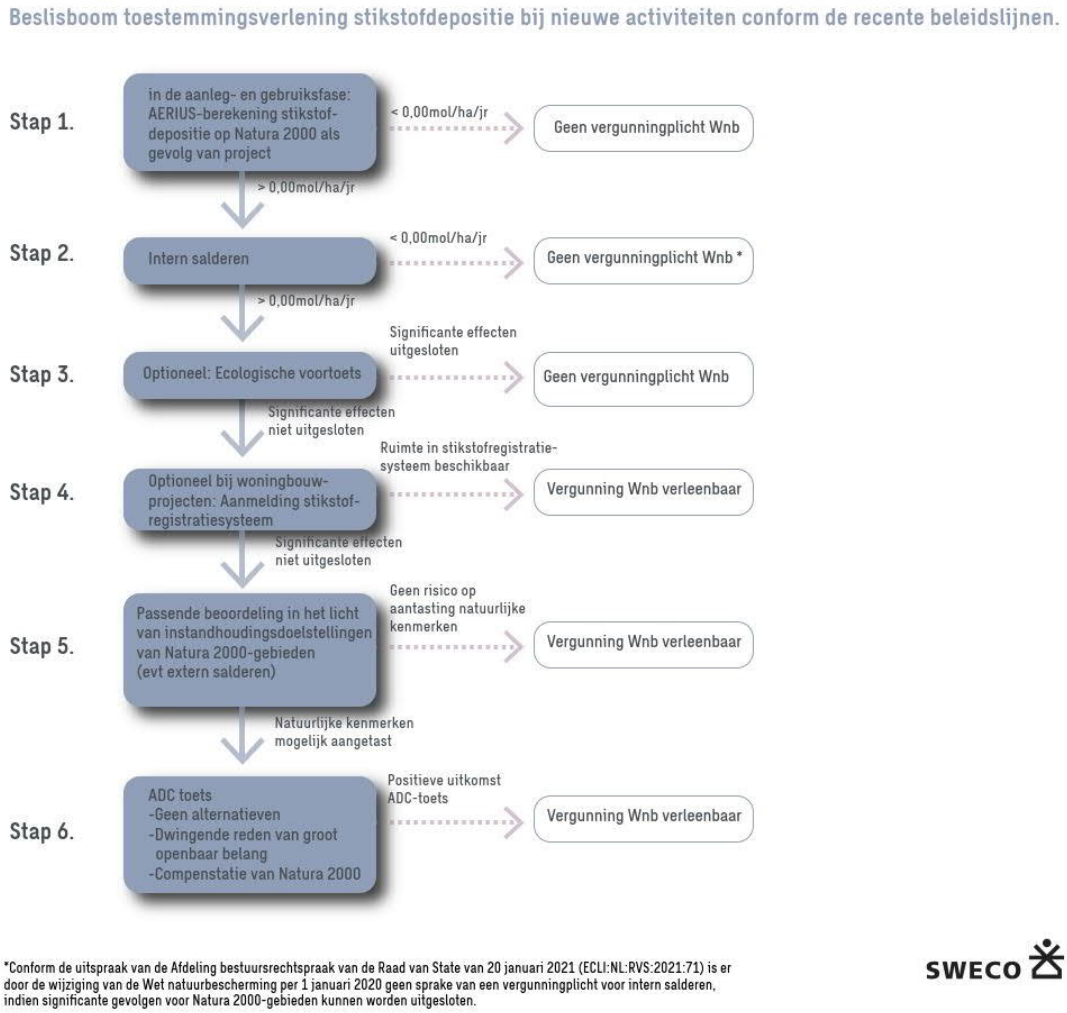


Figuur 1 Locatie plangebied

Sweco
Robijnstraat 11
1812 RB Alkmaar
Postbus 214
1800 AE Alkmaar

T +31 88 811 66 00
www.sweco.nl

Sweco Nederland B.V.
Alkmaar
Handelsregister 30129769
Statutair gevestigd te De Bilt



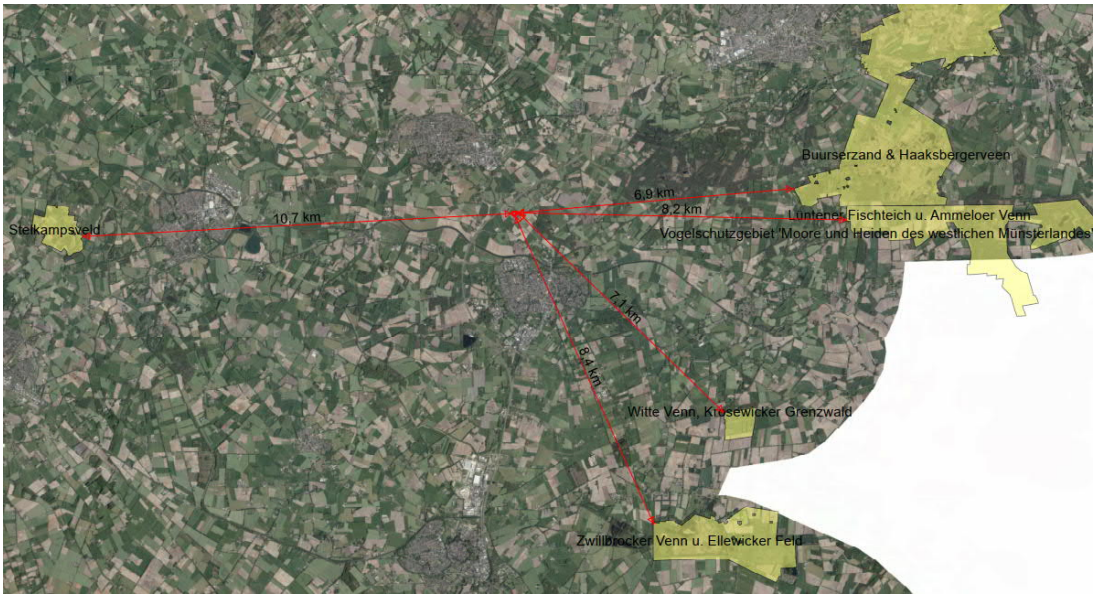
Figuur 2 Stappenplan toestemmingverlening stikstofdepositie bij nieuwe activiteiten

2 Ligging ten opzichte van Natura 2000-gebieden

Rondom het plangebied zijn de volgende Natura 2000-gebieden met stikstofgevoelige habitattypen en/of leefgebieden aanwezig:

- Buurserzand & Haaksbergerveen (circa 6,9 kilometer tot plangebied)
- Stelkampsveld (circa 10,7 kilometer tot plangebied)

De Natura 2000-gebieden Lüntener Fischteich & Ammeloer Venn, Zwillbrocker Venn & Ellewicker Feld en Schwattet Gatt, zijn gelegen in Duitsland en zijn niet meegenomen in de berekening in de AERIUS Calculator. De ligging van de planontwikkelingen ten opzichte van Natura 2000-gebieden is in Figuur 3 weergegeven.



Figuur 3: Ligging plangebied t.o.v. nabijgelegen stikstofgevoelig natura 2000-gebieden

3 Werkwijze

Voor de toetsing van de effecten zijn stikstofberekeningen uitgevoerd met AERIUS Calculator (2020). De berekeningen zijn uitgevoerd voor de gebruiks- en aanlegfase. Bij de AERIUS-berekening is rekening gehouden met de PAS-uitspraak van de ABRvS van 29 mei 2019. De berekeningen zijn opgesteld conform het document 'Instructie gegevensinvoer voor AERIUS Calculator 2020' van BIJ12 (versie 3.0).

Gebruiksfase
In de gebruiksfase is sprake van transport van energie. Hierbij is geen sprake van enige vorm van stikstofemissie. Wel zijn incidenteel onderhoud en reparaties benodigd, waarbij sprake is van incidentele voertuigbewegingen. Dit is echter dusdanig weinig dat dit met zekerheid niet leidt tot negatieve effecten. De gebruiksfase is daarom niet beschouwd.

Aanlegfase
De Wet stikstofreductie en natuurverbetering[1] voorziet in een partiële vrijstelling voor de tijdelijke emissies gedurende de aanlegfase van bouw- en sloopwerkzaamheden. De datum van inwerkingtreding is 1 juli 2021[2]. De aanlegfase is in deze notitie echter zekerheidshalve beschouwd

4 Beoordeling effecten stikstofdepositie

4.1 Mogelijke effecten van stikstofdepositie

Stikstofdepositie bestaat in gereduceerde vorm (NH_3, ammoniak) en geoxideerde vorm (stikstofoxide, NO_x). Beide vormen van stikstof kunnen worden omgezet tot de nutriënten ammonium (NH_4) en nitraat (NO_3). De extra aanvoer van deze voedingsstoffen kan vooral bedreigend zijn voor voedselarme habitattypen. Door de verrijking kan de vegetatie verruigen en kunnen kenmerkende soorten van schrale milieus verdwijnen. Daarnaast kan depositie van stikstof en dan vooral depositie van ammoniak, leiden tot een daling van de bodem-pH. Door verzuring verdwijnen gevoelige soorten en neemt de soortenrijkdom en kwaliteit van zuurgevoelige habitattypen af.

Voor de toetsing van de effecten is het van belang om vast te stellen of de kritische depositiewaarde (KDW) van de betreffende habitattypen wordt overschreden. De KDW is de grens waarboven het risico bestaat dat de kwaliteit van het habitat significant wordt aangetast door de verzurende en/of vermestende invloed van atmosferische stikstofdepositie. Een overschrijding van de KDW betekent niet direct dat dit leidt tot een daadwerkelijke verslechtering van de kwaliteit, dit is afhankelijk van lokale situatie, waarbij er sprake kan zijn van buffering ten aanzien verzuring of vermesting.

4.2 Berekening effecten stikstofdepositie

Voor de aanlegfase is een berekening met de AERIUS Calculator 2020 uitgevoerd, welke geen rekening meer houdt met de vrijstellingen in het voormalige PAS. Op grond van de berekende stikstofdepositie in de aanlegfase dient per relevant stikstofgevoelig habitattype

---

[1] Wet van 10 maart 2021 tot wijziging van de Wet natuurbescherming en de Omgevingswet (stikstofreductie en natuurverbetering). https://zoek.officielebekendmakingen.nl/stb-2021-140.html

[2] Besluit van 14 juni 2021 tot vaststelling van het tijdstip van inwerkingtreding van artikel I van de Wet van 10 maart 2021 tot wijziging van de Wet natuurbescherming en de Omgevingswet (stikstofreductie en natuurverbetering) en artikel I van het Besluit van 14 juni 2021 tot wijziging van enkele algemene maatregelen van bestuur (stikstofreductie en natuurverbetering). https://zoek.officielebekendmakingen.nl/stb-2021-288.html

beoordeeld te worden wat de mogelijke gevolgen zijn van de toename van stikstofdepositie op de instandhoudingsdoelstellingen van de habitattypen.

Aanlegfase
Voor de aanlegfase zijn de volgende uitgangspunten van toepassing:

- Start uitvoering: 2021
- Eind uitvoering: 2021
- Maatgevend jaar: 2021

In de berekening is uitgegaan van mobiele werktuigen met emissiestandaard Stage-klasse IIIA (bouwjaar 2007/2008 of nieuwer), Stage-klasse IIIB (bouwjaar 2011/2013 of nieuwer) en Stage-klasse IV (bouwjaar 2014/2015 of nieuwer). In bijlage 2 zijn de werktuigen inclusief de emissiestandaard gespecificeerd. De emissies vande mobiele werktuigen zijn berekend. Er is daarbij rekening gehouden met 30% stationaire draaiuren. De emissie van de mobiele werktuigen bedraagt maximaal 416,2 kg NO_x en 1,72 kg NH_3.

Voor het bouwverkeer is uitgegaan van een ontsluiting vanaf de aansluiting met het station op de Needseweg (N823) tot aan de kruising met de Woestenes, alwaar het verkeer opgaat in het heersende verkeersbeeld. Het aantal transportbewegingen tijdens de aanlegfase zijn uitgewerkt in de tabel in bijlage 2. Dit betreft een conservatieve aanname. De emissie van het wegverkeer wordt door het rekenprogramma automatisch bepaald op basis van de ingevoerde parameters.

Er zijn op basis van de gehanteerde uitgangspunten rekenresultaten in de AERIUS Calculator 2020 een maximale belasting van 0,01 mol/ha/jaar op het natura2000-gebied Buurserzand & Haaksbergerveen berekend.

Voor de specificering van de berekening wordt verwezen naar de export van de AERIUS-berekeningen (bijlage 1).

5 Conclusie

Tijdens de realisatiefase van de planontwikkeling is er een toename van de stikstofdepositie van maximaal 0,01 mol/ha/jaar op het Natura 2000-gebied Buurserzand & Haaksbergerveen. Dit betreft een geringe, tijdelijke depositie, waardoor significante effecten op voorhand uit te sluiten lijken te zijn.

De Wet stikstofreductie en natuurverbetering per 1 juli 2021 in een partiële vrijstelling van de vergunningplicht voor stikstofemissies afkomstig van bouwwerkzaamheden.
De aanlegfase kan sindsdien buiten beschouwing gelaten worden voor de beoordeling van de vergunningplicht. De geringe, tijdelijke toename van depositie tijdens de aanlegfase leidt daarom niet tot een vergunningplicht voor de Wet natuurbescherming.

Verantwoording

Titel	Stikstofdepositie 110kV station Eibergen
Projectnummer	51003522
Referentienummer	NL21-648800269-1090
Datum	12-07-2021
Auteur	[redacted]
Gecontroleerd door	[redacted]
Paraaf gecontroleerd	[redacted]
Goedgekeurd door	[redacted]
Paraaf goedgekeurd	[redacted]

Bijlage 1 Export AERIUS-berekening aanlegfase

AERIUS CALCULATOR

Dit document bevat rekenresultaten van AERIUS Calculator. Het betreft de hoogst berekende stikstofbijdragen per stikstofgevoelig Natura 2000-gebied, op basis van rekenpunten die overlappen met habitattypen en/of leefgebieden die aangewezen zijn in het kader van de Wet natuurbescherming, gekoppeld aan een aangewezen soort, of nog onbekend maar mogelijk wel relevant.

De berekening op basis van stikstofemissies gaat uit van de componenten ammoniak (NH3) en/of stikstofoxide (NOx).

Wilt u verder rekenen of gegevens wijzigen? Importeer de pdf dan in Calculator. Voor meer toelichting verwijzen wij u naar de website www.aerius.nl.

Berekening Situatie 1

- Kenmerken
- Samenvatting emissies
- Depositieresultaten
- Gedetailleerde emissiegegevens

Verdere toelichting over deze PDF kunt u vinden in een bijbehorende leeswijzer. Deze leeswijzer en overige documentatie is te raadplegen via: https://www.aerius.nl/handleidingen-en-leeswijzers.

AERIUS CALCULATOR

Contact

Rechtspersoon	Inrichtingslocatie
Tennet	-, - -

Activiteit

Omschrijving	AERIUS kenmerk
Station Eibergen 110kV	RxP6bTiPz5R1

Datum berekening	Rekenjaar	Rekenconfiguratie
09 juli 2021, 16:44	2021	Berekend voor natuurgebieden

Totale emissie

	Situatie 1
NOx	417,36 kg/j
NH3	1,74 kg/j

Resultaten

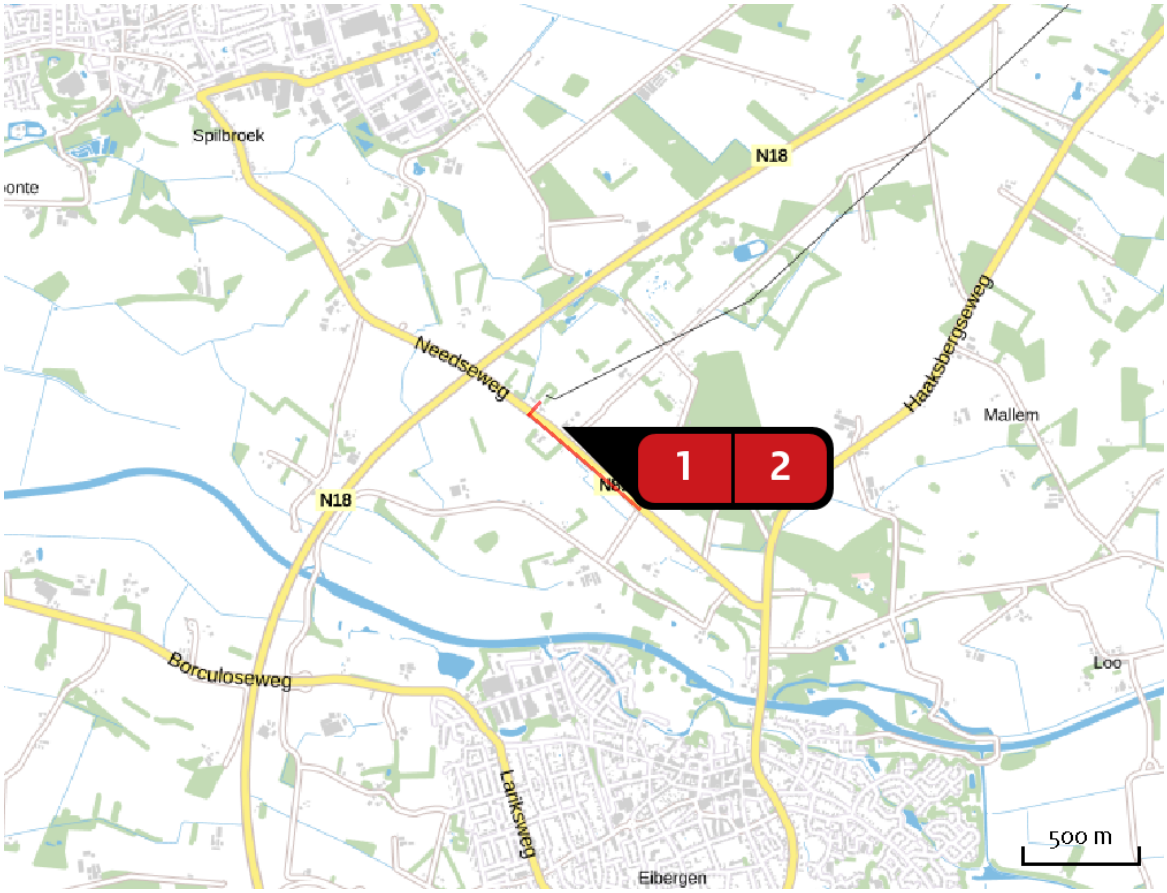
Hectare met hoogste bijdrage (mol/ha/j)

Natuurgebied	Bijdrage
Buurserzand & Haaksbergerveen	0,01

Toelichting

Aanlegfase

Locatie
Situatie 1



Emissie
Situatie 1

Bron Sector		Emissie NH3	Emissie NOx
1	Bron 1 Mobiele werktuigen | Bouw en Industrie	1,72 kg/j	416,20 kg/j
2	Bron 2 Wegverkeer | Buitenwegen	< 1 kg/j	1,16 kg/j

Resultaten stikstof gevoelige Natura 2000 gebieden (mol/ha/j)

Natuurgebied	Hoogste bijdrage	Bijdrage op (bijna) overbelaste hexagonen*
Buurserzand & Haaksbergerveen	0,01	

* Als de hoogste depositietoename plaatsvindt op een hexagoon waar géén sprake is van een (naderende) stikstofoverbelasting, dan is de hoogste toename op een hexagoon met wel een (naderende) stikstofoverbelasting in deze kolom weergegeven.

Resultaten per habitattype (mol/ha/j)

voor de 10 stikstofgevoelige Natura 2000-gebieden met het hoogste resultaat

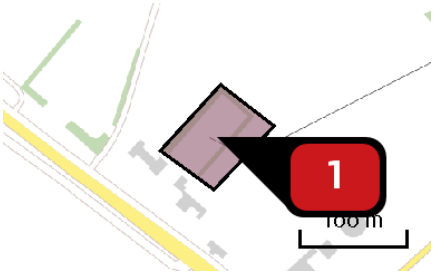
Buurserzand & Haaksbergerveen

Habitattype	Hoogste bijdrage	Bijdrage op (bijna) overbelaste hexagonen*
H91D0 Hoogveenbossen	0,01	
H7120 Herstellende hoogvenen	0,01	
H91E0C Vochtige alluviale bossen (beekbegeleidende bossen)	0,01	
H4010A Vochtige heiden (hogere zandgronden)	0,01	
H4030 Droge heiden	0,01	
H5130 Jeneverbesstruwelen	0,01	
H3130 Zwakgebufferde vennen	0,01	
H2310 Stuifzandheiden met struikhei	0,01	
H7110A Actieve hoogvenen (hoogveenlandschap)	0,01	

* Als de hoogste depositietoename plaatsvindt op een hexagoon waar géén sprake is van een (naderende) stikstofoverbelasting, dan is de hoogste toename op een hexagoon met wel een (naderende) stikstofoverbelasting in deze kolom weergegeven.

Emissie (per bron)

Situatie 1



Naam	Bron 1
Locatie (X,Y)	240740, 459533
NOx	416,20 kg/j
NH3	1,72 kg/j

Voertuig	Omschrijving	Uitstoot hoogte (m)	Spreiding (m)	Warmte inhoud (MW)	Stof	Emissie
AFW	Mobiele Werktuigen	4,0	4,0	0,0	NOx NH3	416,20 kg/j 1,72 kg/j

Naam	Bron 2
Locatie (X,Y)	240876, 459274
NOx	1,16 kg/j
NH3	< 1 kg/j

Soort	Voertuig	Aantal voertuigen	Stof	Emissie
Standaard	Licht verkeer	10,0 / jaar	NOx NH3	< 1 kg/j < 1 kg/j
Standaard	Middelzwaar vrachtverkeer	160,0 / jaar	NOx NH3	< 1 kg/j < 1 kg/j
Standaard	Zwaar vrachtverkeer	358,0 / jaar	NOx NH3	< 1 kg/j < 1 kg/j

Disclaimer

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Rekenbasis

Deze berekening is tot stand gekomen op basis van:

AERIUS	versie 2020_20210525_2040287d5b
Database	versie 2020_20210525_2040287d5b

Voor meer informatie over de gebruikte methodiek en data zie:

https://www.aerius.nl/nl/factsheets/release/aerius-calculator-2020

AERIUS CALCULATOR

Dit document bevat rekenresultaten van AERIUS Calculator. Het betreft de berekende stikstofbijdragen op eigen gedefinieerde rekenpunten.

De berekening op basis van stikstofemissies gaat uit van de componenten ammoniak (NH3) en/of stikstofoxide (NOx).

Wilt u verder rekenen of gegevens wijzigen? Importeer de pdf dan in Calculator. Voor meer toelichting verwijzen wij u naar de website www.aerius.nl.

Berekening Situatie 1

- Kenmerken
- Samenvatting emissies
- Depositieresultaten
- Gedetailleerde emissiegegevens

Verdere toelichting over deze PDF kunt u vinden in een bijbehorende leeswijzer. Deze leeswijzer en overige documentatie is te raadplegen via: https://www.aerius.nl/handleidingen-en-leeswijzers.

AERIUS CALCULATOR

Contact

Rechtspersoon	Inrichtingslocatie
Tennet	-, - -

Activiteit

Omschrijving	AERIUS kenmerk
Station Eibergen 110kV	RkMpVqSnQ3Rf

Datum berekening	Rekenjaar	Rekenconfiguratie
09 juli 2021, 16:45	2021	Berekend met eigen rekenpunten

Totale emissie

	Situatie 1
NOx	1,16 kg/j
NH3	< 1 kg/j

Resultaten

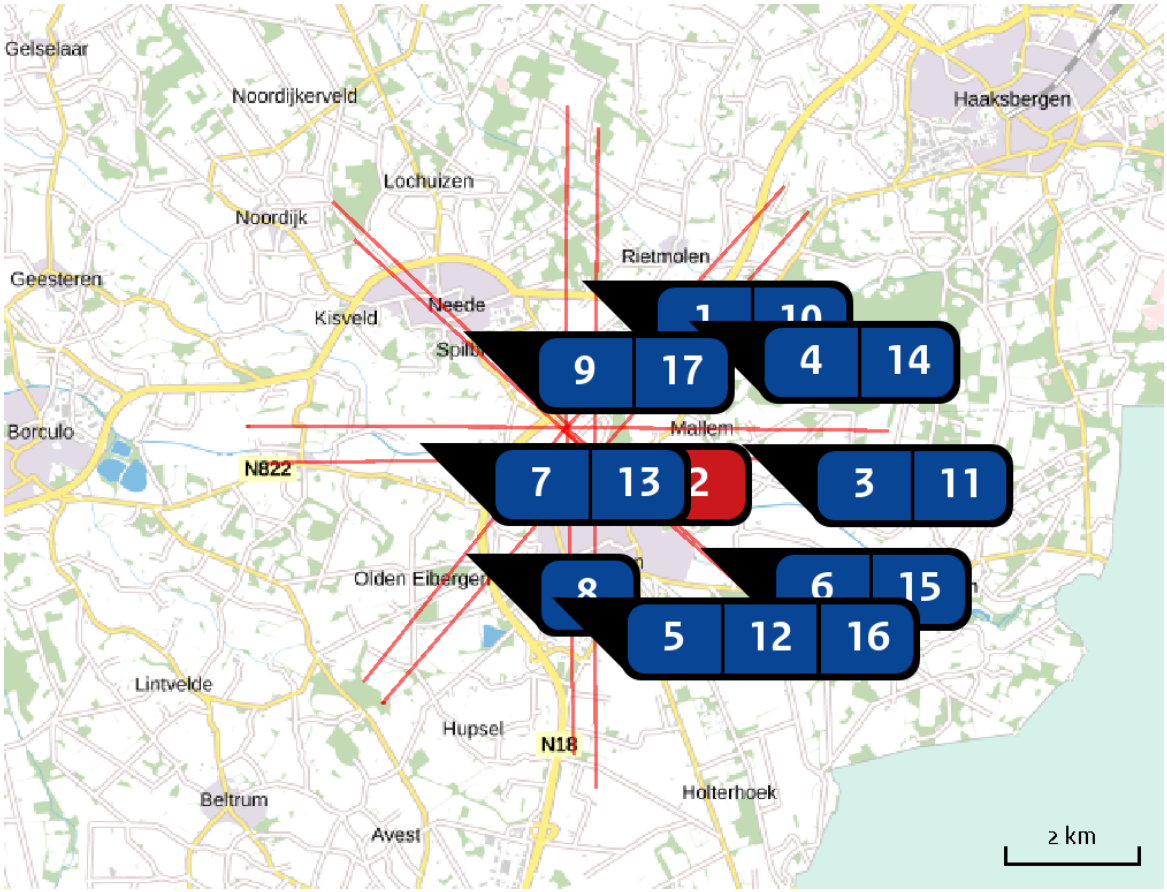
Hectare met hoogste bijdrage (mol/ha/j)

Natuurgebied	Bijdrage
Niet van toepassing	Niet van toepassing

Toelichting

Aanlegfase

Locatie
Situatie 1



Emissie
Situatie 1

Bron Sector		Emissie NH3	Emissie NOx
1	Bron 1 Anders... | Anders...	-	-
2	Bron 2 Wegverkeer | Buitenwegen	< 1 kg/j	1,16 kg/j
3	Bron 3 Anders... | Anders...	-	-
4	Bron 4 Anders... | Anders...	-	-
5	Bron 5 Anders... | Anders...	-	-
6	Bron 6 Anders... | Anders...	-	-

Bron Sector			Emissie NH3	Emissie NOx
7	•••	Bron 7 Anders... | Anders...	-	-
8	•••	Bron 8 Anders... | Anders...	-	-
9	•••	Bron 9 Anders... | Anders...	-	-
10	•••	Bron 10 Anders... | Anders...	-	-
11	•••	Bron 11 Anders... | Anders...	-	-
12	•••	Bron 12 Anders... | Anders...	-	-
13	•••	Bron 13 Anders... | Anders...	-	-
14	•••	Bron 14 Anders... | Anders...	-	-
15	•••	Bron 15 Anders... | Anders...	-	-
16	•••	Bron 16 Anders... | Anders...	-	-
17	•••	Bron 17 Anders... | Anders...	-	-

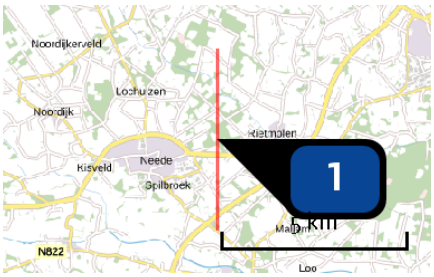
Rekenpunten

	Label	Positie	Situatie 1	Afstand tot dichtstbijzijnde bron
a	Rekenpunt a	237560, 462284	0,00	1 m
b	Rekenpunt b	237250, 462849	0,00	0 m
c	Rekenpunt c	240724, 464275	0,00	1 m
d	Rekenpunt d	241198, 463935	0,00	8 m
e	Rekenpunt e	243943, 463065	0,00	2 m
f	Rekenpunt f	244309, 462689	0,00	3 m
g	Rekenpunt g	245498, 459450	0,00	7 m
h	Rekenpunt h	245996, 459013	0,00	4 m
i	Rekenpunt i	244280, 456375	0,00	0 m
j	Rekenpunt j	244746, 455898	0,00	0 m
k	Rekenpunt k	241157, 454247	0,00	4 m
l	Rekenpunt l	240835, 454684	0,00	12 m
m	Rekenpunt m	237992, 455420	0,00	4 m
n	Rekenpunt n	237703, 455735	0,00	0 m
o	Rekenpunt o	236292, 458991	0,00	10 m

	Label	Positie	Situatie 1	Afstand tot dichtstbijzijnde bron
p	Rekenpunt p	235970, 459529	0,00	3 m

Emissie (per bron)

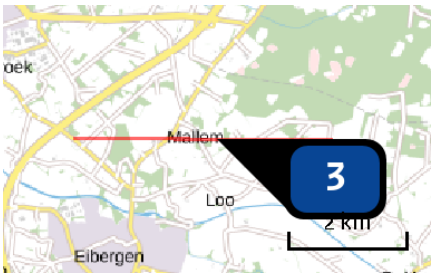
Situatie 1



Naam	Bron 1
Locatie (X,Y)	240716, 461916
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

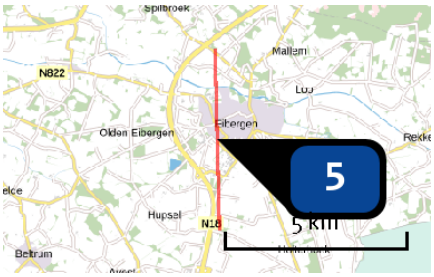
Naam	Bron 2
Locatie (X,Y)	240876, 459274
NOx	1,16 kg/j
NH3	< 1 kg/j

Soort	Voertuig	Aantal voertuigen	Stof	Emissie
Standaard	Licht verkeer	10,0 / jaar	NOx NH3	< 1 kg/j < 1 kg/j
Standaard	Middelzwaar vrachtverkeer	160,0 / jaar	NOx NH3	< 1 kg/j < 1 kg/j
Standaard	Zwaar vrachtverkeer	358,0 / jaar	NOx NH3	< 1 kg/j < 1 kg/j

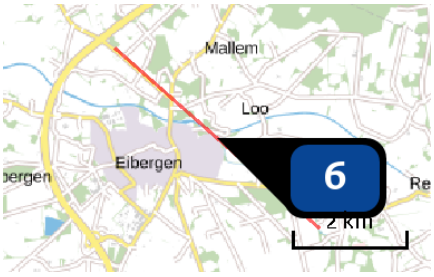


Naam	Bron 3
Locatie (X,Y)	243122, 459481
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

Naam	Bron 4
Locatie (X,Y)	242347, 461311
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

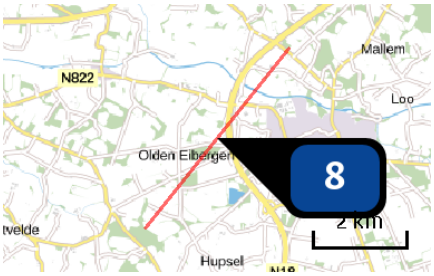


Naam	Bron 5
Locatie (X,Y)	240771, 457067
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

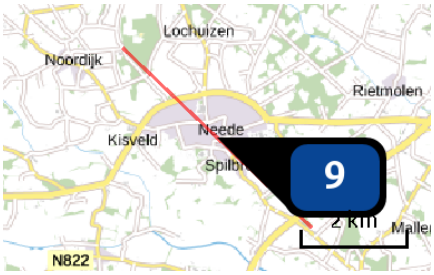


Naam	Bron 6
Locatie (X,Y)	242502, 457934
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

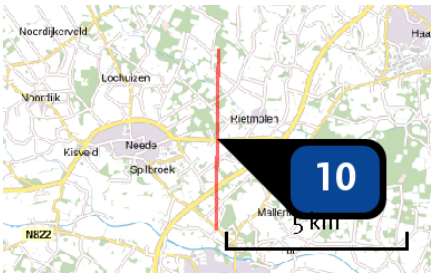
Naam	Bron 7
Locatie (X,Y)	238315, 459521
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie



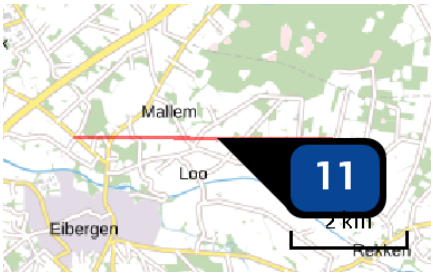
Naam	Bron 8
Locatie (X,Y)	239199, 457615
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie



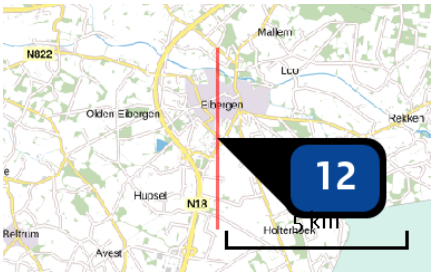
Naam	Bron 9
Locatie (X,Y)	238981, 461204
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie



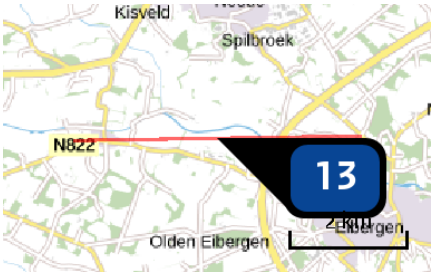
Naam	Bron 10
Locatie (X,Y)	241165, 461517
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie



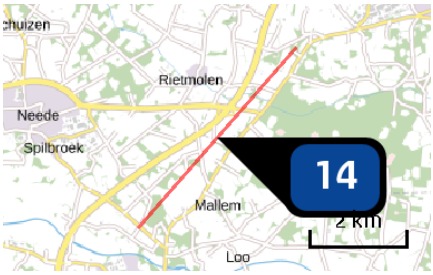
Naam	Bron 11
Locatie (X,Y)	243586, 459037
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie



Naam	Bron 12
Locatie (X,Y)	241150, 456583
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

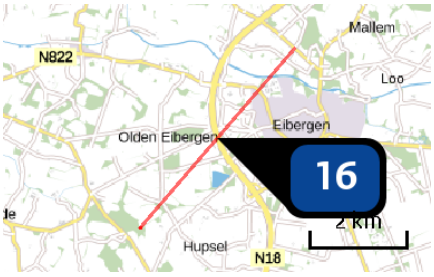


Naam	Bron 13
Locatie (X,Y)	238687, 459017
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

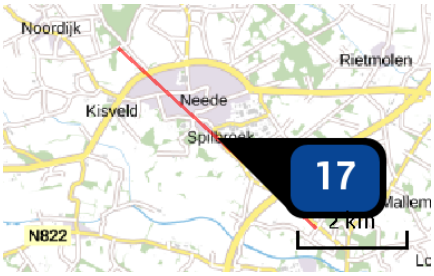


Naam	Bron 14
Locatie (X,Y)	242746, 460895
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

Naam	Bron 15
Locatie (X,Y)	242954, 457464
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie



Naam	Bron 16
Locatie (X,Y)	239544, 457212
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie



Naam	Bron 17
Locatie (X,Y)	239335, 460680
Uitstoothoogte	0,0 m
Warmteinhoud	0,000 MW
Temporele variatie	Continue emissie

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Rekenbasis

Deze berekening is tot stand gekomen op basis van:

AERIUS	versie 2020_20210525_2040287d5b
Database	versie 2020_20210525_2040287d5b

Voor meer informatie over de gebruikte methodiek en data zie:

https://www.aerius.nl/nl/factsheets/release/aerius-calculator-2020

Bijlage 2 Emissieberekening inzet materieel

Werkzaamheden TenneT Eibergen	Aantal transportbewegingen			In te zetten materieel			
	Licht (auto)	Middelzwaar (busje)	Zwaar (Vrachtauto) EURO 6	Machine	Draaiuren	Vermogen [kW]	Stageklasse of bouwjaar
CDG of CDU gebouw (oppervlakte 200m2)							
Kraan goot Liebherr LTM1200 5.1			26		30	370	Stage 3
Kraan klein Liebherr LTM1200 5.1			14		52	145	Stage 3
Vrachtwagen Mercedes Arcos			26		104	425	Euro 6
Vrachtwagen leverancier materialen (stenen/beton/etc.)			104		100	400	Euro 6
Ver-reiker/hoogwerker Manitou			4		40	110	Stage 3
Ver-reiker/hoogwerker Manitou MRT 2150 plus			4		40	115	Stage 4
Rups hoogwerker SR14CJ			4		40	41	Stage 4
Minigraver Takeuchi TB228			8		160	17,5	Stage 3
Graafmachine mobiel Liebherr A314			8		160	90	Stage 3
Trekker John Deere			4		48	90	Stage 3
Heistelling Kobelco BME800G			2		20	271	Stage 3
Twee 110 kV nieuwe lijn/kabel/trafo velden (oppervlakte 300m2) en portalen							
Kraan goot Liebherr LTM1200 5.1			8		48	370	Stage 3
Kraan klein Liebherr LTM1200 5.1			8		48	145	Euro 6
Vrachtwagen Mercedes Arcos			8		48	425	Euro 6
Ver-reiker/hoogwerker Manitou			4		48	110	Stage 3
Ver-reiker/hoogwerker Manitou MRT 2150 plus			8		144	115	Stage 4
Rups hoogwerker SR14CJ			8		144	41	Stage 4
Minigraver Takeuchi TB228			8		120	17,5	Stage 3
Graafmachine mobiel Liebherr A314			8		120	90	Stage 3
Trekker John Deere			8		120	90	Stage 3
Hoogwerker JLG1200SJP			16		144	55,4	Stage 4
Heistelling Kobelco BME800G			4		72	271	Stage 3
HS kabels op station (250 m)							
Trekker John Deere			2		40	90	Stage 3
Graafmachine Liebherr A314			2		40	90	stage 3
18 kuub zandkiep vrachtwagen			4		16	425	Euro 6
Haspelkar met bus		80			40	80	Euro 6
Minigraver Takeuchi			2		40	17,5	stage 3

Nieuwe fundaties en verzwaren portaal/masten							
Uitzetten	10						
Ontgraven/grondwerk			4	Graafmachine	64	115	stage 4
Afvoeren grond, ca 20m3			4				
aanvoeren palen, 8 stuks gemiddelde lengte is 15 meter			4				
Aan-/afvoeren heistelling			4				
Aanbrengen schroefpalen				Boorstelling	32	345	stage 4
aan-/afvoeren bouwmaterieel en containers			24				
Aanbrengen bekisting/wapening				Graafmachine	8	115	Stage 4
Aanvoeren + storten beton			12	Betonpomp	16	300	Stage 3B
Dagelijkse vervoersbewegingen personeel		80					
verzwaren HS mast			2	Hoogwerker	40	115	stage 4
Overige lijnwerkzaamheden			2	Hoogwerker	80	115	stage 4
	10	**160**	**358**				
	Licht (auto)	**Middelzwaar (busje)**	**Zwaar (Vrachtauto) EURO 6**				

Werktuig	Werktuigcode AERIUS	Stage-klasse	Brandstof	Tijdsfactor totaal	Vermogen	Fractie stationair	Stationair tijd	Cilinder-inhoud	Emissfactor (onbelast) Nox	Emissie NOX (stationair)	Emissfactor (onbelast) NH3	Emissie NH3 (stationair)	Fractie belast	Belast tijd	Belasting	Emissiefactor (belast) NOx	Emissie NOx	Emissiefactor (belast) NH3	Emissie NH3	Emissie NOx	Emissie NH3
				uren	[kW]	%	uren	[l]	[g/l/uur]	[kg]	[g/l/uur]	[kg]	%	uren	-	[g/kWh]	[kg]	[g/kWh]	[kg]	[kg]	[kg]
Kraan groot Liebherr LTM1200 5.1	B_HIJSKR_350_2006	IIIA	Diesel	78	370	30%	23,4	18,5	14,2	6,1	0,003308	0,00	70%	55	0,61	4,8	59,2	0,0024205	0,03	65,3	0,03
Kraan klein Liebherr LTM1200 5.1	B_HIJSKR_125_2007	IIIA	Diesel	100	145	30%	30	7,25	14,2	3,1	0,003308	0,00	70%	70	0,61	4,8	29,7	0,00248957	0,02	32,8	0,02
Vrachtwagen Mercedes Arcos	W_KIPPER_330_2014	Euro 6	Diesel	152	425	30%	45,6	21,25	3,4	3,3	0,08	0,08	70%	106	0,24	2,5	27,1	0,069	0,75	30,4	0,83
Vrachtwagen leverancier materialen	W_KIPPER_330_2014	Euro 6	Diesel	100	400	30%	30	20	3,4	2,0	0,08	0,05	70%	70	0,24	2,5	16,8	0,069	0,46	18,8	0,51
Ver-reiker/hoogwerker Manitou	I_VERREIK_100_2007	IIIA	Diesel	88	110	30%	26,4	5,5	14,2	2,1	0,003293	0,00	70%	62	0,84	4,8	27,3	0,00248957	0,01	29,4	0,01
Ver-reiker/hoogwerker Manitou MRT 2150 plus	I_VERREIK_100_2015	IV	Diesel	184	115	30%	55,2	5,75	10	3,2	0,003149	0,00	70%	129	0,84	0,9	11,2	0,00245513	0,03	14,4	0,03
Rups hoogwerker SR14CJ	H_HOOGWER_60_2015	IV	Diesel	184	41	30%	55,2	2,05	10	1,1	0,003149	0,00	70%	129	0,55	0,9	2,6	0,00255575	0,01	3,7	0,01
Minigraver Takeuchi TB228	B_GRAAFMA_28_2007	IIIA	Diesel	320	17,5	30%	96	0,875	14,2	1,2	0,003293	0,00	70%	224	0,692857	7	19,0	0,00270038	0,01	20,2	0,01
Graafmachine mobiel Liebherr A314	B_GRAAFMA_100_2007	IIIA	Diesel	320	90	30%	96	4,5	14,2	6,1	0,003293	0,00	70%	224	0,692857	4,4	61,5	0,00253977	0,04	67,6	0,04
Trekker John Deere	L_TREKKER_100_2007	IIIA	Diesel	208	90	30%	62,4	4,5	14,2	4,0	0,003293	0,00	70%	146	0,55	4,9	35,3	0,0024193	0,02	39,3	0,02
Heistelling Kobelco BME800G	B_HIJSKR_210_2006	IIIA	Diesel	92	271	30%	27,6	13,55	14,2	5,3	0,003308	0,00	70%	64	0,61	4,8	51,1	0,0024205	0,03	56,4	0,03
Hoogwerker JLG1200SJP	I_VERREIK_70_2015	IV	Diesel	144	55,4	30%	43,2	2,77	10	1,2	0,003149	0,00	70%	101	0,84	0,9	4,2	0,00255575	0,01	5,4	0,01
18 kuub zandkiep vrachtwagen	W_KIPPER_330_2014	Euro 6	Diesel	16	425	30%	4,8	21,25	3,4	0,3	0,08	0,01	70%	11	0,24	2,5	2,9	0,069	0,08	3,2	0,09
Haspelkar met bus	W_KIPPER_330_2014	Euro 6	Diesel	40	80	30%	12	4	3,4	0,2	0,08	0,00	70%	28	0,24	2,5	1,3	0,069	0,04	1,5	0,04
Graafmachine	B_GRAAFMA_100_2015	IV	Diesel	72	115	30%	21,6	5,75	10	1,2	0,003149	0,00	70%	50	0,692857	0,8	3,2	0,00250544	0,01	4,5	0,01
Boorstelling	B_HIJSKR_350_2014	IV	Diesel	32	345	30%	9,6	17,25	10	1,7	0,003142	0,00	70%	22	0,61	0,9	4,2	0,00235907	0,01	5,9	0,01
Betonpomp	B_BET_STO_200_2011	IIIB	Diesel	16	300	30%	4,8	15	14,2	1,0	0,0033	0,00	70%	11	0,692857	3	7,0	0,00278717	0,01	8,0	0,01
Hoogwerker	I_VERREIK_100_2015	IV	Diesel	120	115	30%	36	5,75	10	2,1	0,003149	0,00	70%	84	0,84	0,9	7,3	0,00245513	0,02	9,4	0,02
									Totaal emissie in kg Nox (stationair)	*45,3*	*Totaal emissie in kg NH3 (stationair)*	*0,15*				*Totaal emissie in kg NOx (belast)*	*371,0*	*Totaal emissie in kg NH3 (onbelast)*	*1,57*	**Totale emissie in kg NOX**	**Totale emissie in kg NH3**
																				416,2	**1,72**