EGNA Vilnius, Lietuva Tel. +37065521320 projektavimas@egna.eu įm. k. 302590816	**STADIJA**	**LAIDA**	**METAI**
	TP	**0**	**2025**

PROJEKTO PAVADINIMAS	**MOKSLO PASKIRTIES PASTATO - MOKYMŲ CENTRO I. KANTO G. 7A, KLAIPĖDOJE STATYBOS PROJEKTAS**	
STATYBOS VIETA	I. KANTO G. 7A, KLAIPĖDOJE	
STATYTOJAS	VŠĮ VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS	
STATYBOS RŪŠIS	Nauja statyba	
STATINIO KATEGORIJA	Ypatingasis	
STADIJA	Techninis projektas	
PROJEKTO DALIS	Statinio konstrukcijos. Inžineriniai skaičiavimai (SK.IS)	
KOMPLEKSO NR.	0276-TP-SA	
PROJEKTO VADOVAS	Ernestas Gegeckas Atestato Nr. 20319	
PROJEKTO DALIES VADOVAS	Martynas Lankelis Atestato Nr. 25260	
VILNIUS, 2025		

BYLOS SUDĖTIES ŽINIARAŠTIS

Eilės. Nr.	Žymuo	Dokumento žymuo	Lapų sk.	Lapo nr.
1.	*Dokumentacija*			
1.1	Bylos sudėties žiniaraštis	0276-TP-SK.IS.BSŽ-01	1	0
1.2	Inžineriniai skaičiavimai	0276-TP-SK.IS-01	5	0
1.3	Pamatų skaičiavimai	0276-TP-SK.IS.PR-01	11	0
1.4	Antžeminės dalies skaičiavimai	0276-TP-SK.IS.PR-02	171	0

0	2025	Statybą leidžiančiam dokumentui gauti
Laida	Išleidimo data	Laidos statusas. Keitimo priežastys (jei taikoma)

Atestato Nr.	UAB „Egna“ Kareivių g. 19-181 kab. Vilnius, Tel. nr. +370 65521320 Projektavimas@egna.eu			**STATINIO PROJEKTO PAVADINIMAS:** MOKSLO PASKIRTIES PASTATO - MOKYMŲ CENTRO I. KANTO G. 7A, KLAIPĖDOJE STATYBOS PROJEKTAS
20319	S PV	E. Gegeckas		
25260	SPDV	M. Lankelis		**DOKUMENTO PAVADINIMAS:** BYLOS SUDĖTIES ŽINIARAŠTIS — Laida: 0
LT	**STATYTOJAS:** VŠĮ VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS			**DOKUMENTO ŽYMUO:** 0276-XX-TP-SK.IS.BSŽ-01 — Lapas: 1 — Lapų: 1

INŽINERINIAI SKAIČIAVIMAI

INŽINERINIŲ SKAIČIAVIMŲ TURINYS

1 BENDROJI DALIS 2

1.1 Pagrindiniai projektavimo duomenys 2

2 APKROVOS 2

2.1 Nuolatinės apkrovos 2

2.2 Kintamos apkrovos 3

2.3 Apkrovų deriniai 4

2.4 Statinių konstrukcijų svarbumo klasės, ilgaamžiškumas, deformacijų leistini dydžiai, atsargos koeficientai 5

3 KONSTRUKCIJŲ SKAIČIAVIMAI 5

4 IŠVADOS 5

0	2025	Statybą leidžiančiam dokumentui gauti
Laida	Išleidimo data	Laidos statusas. Keitimo priežastys (jei taikoma)

Atestato Nr.	EGNA	UAB „Egna“ Kareivių g. 19-181 kab. Vilnius, Tel. nr. +370 65521320 Projektavimas@egna.eu		**STATINIO PROJEKTO PAVADINIMAS:** MOKSLO PASKIRTIES PASTATO - MOKYMŲ CENTRO I. KANTO G. 7A, KLAIPĖDOJE STATYBOS PROJEKTAS	
20319	S PV	E. Gegeckas			
25260	SPDV	M. Lankelis		**DOKUMENTO PAVADINIMAS:**	Laida
				INŽINERINIAI SKAIČIAVIMAI	0
LT	**STATYTOJAS:** VŠĮ VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS			**DOKUMENTO ŽYMUO:** 0276-XX-TP-SK.IS-01	Lapas 1 / Lapų 5

1 BENDROJI DALIS

1.1 Pagrindiniai projektavimo duomenys

Projektuojami statiniai:

Projektuojamas mokslo paskirties pastato I. Kanto g. 7A, Klaipėdoje statybos projektas. Statinio projekto konstrukcinė dalis parengta vadovaujantis privalomaisiais projekto rengimo dokumentais (žr. techninio projekto bendrąją dalį) ir tenkina esminius statinių reikalavimus.

Techninis projektas parengtas vadovaujantis projektavimo užduotimi, iš kitų projekto dalių rengėjų gautomis užduotimis, normatyviniais dokumentais, projekto rengimo metu atliktais inžineriniais geologiniais tyrimais, užsakovo pateiktais reikalavimais.

2 APKROVOS

2.1 Nuolatinės apkrovos

Konstrukcijų savasis svoris automatiškai nustatytas su baigtinių elementų programa Dlubal RFEM. Skaičiuojant konstrukcijas apkrovos ir poveikiai priimti pagal LST EN 1991 su nacionaliniais priedais, technologines ir užsakovo užduotis.

Stogo detalė STD-1

Eil. nr.	Konstrukcijos elementas	Tankis ρ, [kg/m3]	Storis t, [mm]	Masė m, [kg/m2]	Charakteristinė apkrova [kPa]
1	PVC stogų danga (polivinilchloridas)	1390	2,2	3,06	**0,03**
2	(PIR) šilumos izoliacinė plokštė nuolydžiui formuoti	30	30	0,90	**0,01**
3	(PIR) šilumos izoliacinė plokštė su aliuminio folija iš abiejų pusių	30	200	6,00	**0,06**
4	Savaime limpanti garo izoliacija	-	0,8	-	**-**
5	Sunkusis betonas (intensyvus armavimas)	2500	220	17,52	**0,17**
-	Inžinerinės komunikacijos	-	-	40,00	**0,39**
-	Saulės baterijos (50kg/m2)	-	-	50,00	**0,49**
-	VISO	-	453	117,48	**1,15**

Stogo detalė STD-2

Eil. nr.	Konstrukcijos elementas	Tankis ρ, [kg/m3]	Storis t, [mm]	Masė m, [kg/m2]	Charakteristinė apkrova [kPa]
1	PVC stogų danga (polivinilchloridas)	1390	2,2	3,06	**0,03**
2	(PIR) šilumos izoliacinė plokštė su aliuminio folija iš abiejų pusių	30	50	1,50	**0,01**
3	(PIR) šilumos izoliacinė plokštė su aliuminio folija iš abiejų pusių	30	200	6,00	**0,06**
4	Savaime limpanti garo izoliacija	-	0,8	-	**-**
5	Prof. lakštas "Ruukki" T153-41L-840-1,25 (17,52 kg/m2)	7850	153	17,52	**0,17**
-	Inžinerinės komunikacijos	-	-	40,00	**0,39**
-	Saulės baterijos (50kg/m2)	-	-	50,00	**0,49**
-	VISO	-	406	118,08	**1,16**

Perdangos detalė PD-1

Eil. nr.	Konstrukcijos elementas	Tankis ρ, [kg/m3]	Storis t, [mm]	Masė m, [kg/m2]	Charakteristinė apkrova [kPa]
1	Surenkamos plokštės PKU 20 (254 kg/m2)	1270	200	254,00	**2,49**
2	Cementinio skiedinio sluoksnis	2300	100	230,00	**2,26**
3	Grindų danga	2400	12	28,80	**0,28**
4	Lengvos pertvaros	-	-	-	**1,20**
5	Naudojimo apkrova	-	-	-	**1,50**
-	VISO	-	312	512,80	**7,73**

Išorinės sienos detalė ISD-1

Eil. nr.	Konstrukcijos elementas	Tankis ρ, [kg/m3]	Storis t, [mm]	Masė m, [kg/m2]	Charakteristinė apkrova [kPa]
1	Gipso tinkas	1300	10	13,00	**0,13**
2	Armuotas betonas	2500	350	875,00	**8,58**
3	Klijai cemento pagrindu	2300	10	23,00	**0,23**
4	Polistireninis putplastis „Neoporas EPS100N"	18,5	270	5,00	**0,05**
5	Armuojantis sluoksnis su armavimo tinkleliu	1800	7	12,60	**0,12**
6	Gruntas	-	-	-	**-**
7	Klijai cemento pagrindu	2300	10	23,00	**0,23**
8	Akmens masės plytelės	2400	20	48,00	**0,47**
-	VISO	-	677	999,60	**9,81**

Grindų ant grunto detalė GD-1

Eil. nr.	Konstrukcijos elementas	Tankis ρ, [kg/m3]	Storis t, [m]	Masė m, [kg/m2]	Charakteristinė apkrova [kPa]
1	Grindų danga, 20mm	2400	0,020	48,00	0,47
2	Išlyginamasis cementinio skiedinio M20 sluoksnis armuotas tinklu Ø5 S500/Ø5 S500/150/150, 80mm	2500	0,060	150,00	1,47
3	Atskiriamasis sluoksnis – polietileno plėvelė 0,2 mm (2sl. siūlės klijuotos) 0,4 mm	-	0,0004	-	-
4	**Ekstrudinis putų polistirenas "FINNFOAM FL-300" (t=120m**	**30**	**0,120**	**3,60**	**0,04**
5	**Ekstrudinis putų polistirenas "FINNFOAM FL-300" (t=100m**	**30**	**0,100**	**3,00**	**0,03**
6	Skaldos (frakcija 16/32) ir smėlio žvyro (frakcija 0/16) mišinys. Sutankinimo rodiklis DPR=98%. Deformacijų modulis EV2=80 [MPa], 100mm	1800	0,150	270,00	2,65
7	Sutankintas smėlinis gruntas. Sutankinimo rodiklis DPR=97% Deformacijų modulis EV2=60 [MPa]	-	-	-	-
8	Sutankintas esamas gruntas. Sutankinimo rodiklis DPR=97% Deformacijų modulis EV2=60 [MPa]	-	-	-	-
-	VISO	-	0,450	474,60	4,66

2.2 Kintamos apkrovos

Skaičiuojant konstrukcijas apkrovos ir poveikiai priimti pagal LST EN 1991 su nacionaliniais priedais, technologines ir užsakovo užduotis.

Sniego apkrova

Sniego apkrova ant stogo nustatoma pagal LST EN 1991-1-3:2004 (NA:2012) 5.2 sk. 3(P) a):

$$s=\mu_i \times C_e \times C_t \times s_k$$

kur:

μ_i – sniego apkrovos formos koeficientas;

C_e=1,0 – ekspozicijos koeficientas;

C_t=1,0 – šilumos koeficientas;

s_k=1,2 kN/m^2 – charakteristinė sniego apkrovos ant žemės reikšmė.

Sniego formos koeficientas μ_i nustatomas pagal LST EN 1991-1-3:2004 (NA:2012) 5.3.3 ir 5.3.6 p.

Vėjo apkrova

Vėjo apkrova nustatoma pagal LST EN 1991-1-4:2005 (NA:2012).

Vėjo apkrovos rajonas III, vėjo greičio pagrindinė atskaitinė reikšmė $v_{ref,0}=v_{b,0}$=32,0 m/s.

Pagrindinis vėjo greitis:

$$v_b=c_{dir}\cdot c_{season}\cdot v_{b,0}=1,0\cdot 1,0\cdot 32,0=32,0 \text{ m/s.}$$

Vidutinis vėjo greitis (vietovės kategorija III) priklauso nuo konkretaus statinio aukščio:

$$v_m(z)=c_r(z)\cdot c_o(z)\cdot v_b=k_r\cdot \ln(z/z_0)\cdot c_o(z)\cdot v_b=0,19\cdot(z_0/z_{0,II})^{0,07}\cdot \ln(z/z_0)\cdot c_o(z)\cdot v_b$$

Viršūninis vėjo greičio slėgis:

$$q_p(z)=[1+7\cdot I_v(z)]\cdot 1/2\cdot \rho\cdot v^2_m(z)= [1+7\cdot k_I/(c_o(z)\cdot \ln(z/z_0))]\cdot 1/2\cdot \rho\cdot v^2_m(z)$$

Naudojimo apkrovos

	qk [kN/m2]	Qk [kN/m2]
Naudojimo apkrovą		
C kategorija. Plotai, kuriuose gali rinktis žmonės (išskyrus plotus, priskirtus A, B ir D* kategorijoms)	3.0	4.0

2.3 Apkrovų deriniai

Poveikių skaičiuotinės reikšmės (STR/GEO – B grupė) γG,sup=1,35 (nuolatinėms apkrovoms), γQ,1=1,3 (kintamoms apkrovoms).

Statinio konstrukcijos patikrintos pagal:

1) saugos ribinius būvius;

Saugos ribinių būvių nuolatinių ir trumpalaikių skaičiuotinų situacijų poveikių skaičiuotinės reikšmės turi atitikti pateiktas NA2.4(B) lentelėje (LST EN 1990:2004);

2) tinkamumo ribinius būvius;

Ribinių tinkamumo būvių dalinius koeficientus reikia imti lygius 1,0.

Medžiagų patikimumo koeficientai priimti vadovaujantis atitinkamais normatyvais ir yra lygūs:

- gelžbetoninėms konstrukcijoms saugos ribiniam būviui γ_c=1,5;
- betoninėms konstrukcijoms saugos ribiniam būviui γ_c=1,8;
- plieninėms konstrukcijoms saugos ribiniam būviui γ_u=1,3;
- gelžbetoninėms ir betoninėms konstrukcijoms tinkamumo ribiniam būviui γ_c=1,0;
- armatūros plieno dalinio patikimumo koeficientas:
  strypinei armatūrai γ_s=1,1;
  vielinei armatūrai γ_s=1,2;

- plieniniams lakštiniams, ilgiesiems valcuotiems ir tuščiaviduriams statybiniams profiliams γ_M=1,1.

Statybos metu atsirandančios apkrovos nuo statybinių mechanizmų, medžiagų sandėliavimo ir kt. neturi viršyti pagrindinių laikančiųjų konstrukcijų leistinų apkrovų, kurios betarpiškai veikia jas eksploatacijos metu.

Apkrovų dydžiai ir deriniai turi būti patikslinti rengiant darbo projektą.

2.4 Statinių konstrukcijų svarbumo klasės, ilgaamžiškumas, deformacijų leistini dydžiai, atsargos koeficientai

Pagal LST EN 1990:2002 “Eurokodas. Konstrukcijų projektavimo pagrindai” statinių konstrukcijos priskiriamos RC2 patikimumo klasei bei CC2 pasekmių klasei. Poveikių koeficientas K_{FI}=1,0. Konstrukcijų ilgaamžiškumas 50 metų. Ribinis skaičiuojamasis plyšio plotis betone negali viršyti 0,3 mm.

Ribiniai vertikalūs konstrukcijų įlinkiai kai konstrukcijos ilgis:

- Iki 3,0m dlim = L/150;
- Nuo 3,0m iki 6,0m dlim = L/200;
- Nuo 6,0m iki 24,0m dlim = L/250.

čia dlim yra konstrukcijos tarpatramis. Konstrukcijoms, ant kurių tvirtinami pakabinami fasado elementai taikomi šių gamintojų keliami įlinkio ribojimai, tačiau ne mažesni nei nurodyti aukščiau

Ribiniai daugiaaukščio pastato horizontalūs poslinkiai: $f_u = h_s /500$,

Čia: h_s yra pastato kolonos aukštis nuo pamato iki denginio sijos viršaus.

Pagal STR 2.05.21, 2 priedo, 1 lentelę statinio pamatų santykinis nuosėdis $(\Delta s / L)_u$ =0,002,

kur L yra atstumas tarp pamatų blokų ašių horizontalios jėgos veikimo kryptimi.

3 KONSTRUKCIJŲ SKAIČIAVIMAI

Skaičiuojamoji schema ir rezultatai pateikiami prieduose:

Pamatų skaičiavimai - 0276-XX-TP-SK.IS.PR-01.

Antžeminės dalies skaičiavimai - 0276-XX-TP-SK.IS.PR-02.

4 IŠVADOS

Skaičiavimų rezultatai atitinka LST EN 1991-1-1, LST EN 1991-1-3, LST EN 1991-1-4, LST EN 1993-1-1, LST EN 1997 ir kitų normatyvinių dokumentų bei užsakovo pateiktus reikalavimus. Visų suprojektuotų konstrukcijų ir jų jungčių laikomoji galia yra pakankama, poslinkiai ir nuosėdžiai (absoliutūs ir santykiniai) neviršija ribinių reikšmių. Pilni elementų jungčių skaičiavimai turi būti pateikiami darbo projekto stadijoje kaip tai numato STR 1.04.04:2017, 9 priedo 3.2 p. Bendrasis pastato pastovumas užtikrinamas su gelžbetoninių sienų branduoliais bei standumo membranomis. Apkrovų dydžiai, jų deriniai ir visi inžineriniai skaičiavimai privalo būti tikslinami rengiant darbo projektą. Taip pat gali būti tikslinami elementų išnaudojimai ir skerspjūviai, siekiant racionalesnio konstrukcijų parinkimo. Prieš darbo projektą turi būti atlikti papildomi kontroliniai geologiniai tyrimai.

0276-XX-TP-SK.IS.PR-01

PAMATŲ SKAIČIAVIMAI

1 POLIŲ SKAIČIAVIMAS

1.1 Poliaus tikrinimas pagal GR-1

Analysis of CPT pile

Input data

Settings

(input for current task)

Pile CPT

Verification methodology : EN 1997-2
Analysis type : EN 1997-2

Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

Reduction coefficients			
Reduction coeff. of load settlement curve :	k =	1,00	[–]

Tests

No.	Test name	Offset of the origin d_h [m]	Overall depth d_{tot} [m]
1	cpt-1	0,00	13,00

Test : cpt-1

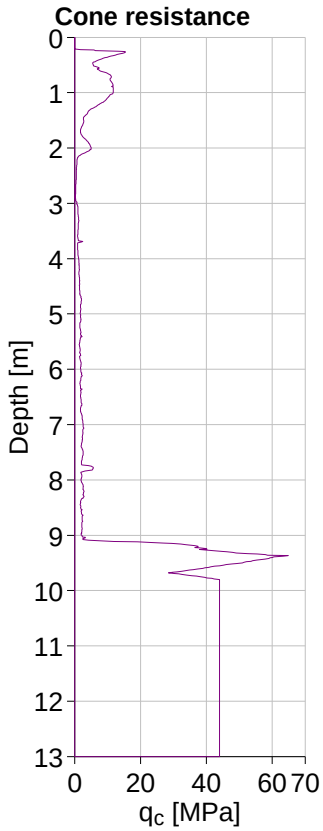


Table (CPT)

Basic soil parameters

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m³]	γ_{su} [kN/m³]
1	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis		35,20	17,50	7,50
2	2. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		23,60	16,50	6,50
3	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		30,20	17,00	7,00
4	4. Blogai išrūšiuotas smėlis		35,60	17,50	7,50
5	5. Smėlingas mažo plastiškumo molis		15,80	21,10	11,10
6	6. Smėlingas mažo plastiškumo molis ir dulkis		24,20	21,50	11,50
7	7. Vidutinio plastiškumo molis		18,10	20,50	10,50
8	8. Moreninis smėlis mažo plaškumo molis		28,00	21,90	11,90
9	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis		42,50	19,50	9,50
10	10. Smėlingas mažo plastiškumo dulkis		25,00	20,80	10,80

Construction

Type of construction : single pile
Design load Fs_d = 430,00 kN
Service load Fs = 320,00 kN

Geometry

Type of pile : continuous flight auger pile
Pile material : concrete
Reduce q_c III to 2 MPa : Yes
Elevation from the original ground = 52,22 m
Elevation from the finished grade = 49,59 m
Pile length in soil = 7,00 m
Pile head offset above terrain = 0,00 m
Depth of finished grade = 2,63 m

Pile cross-section - circular
Pile diameter d = 0,40 m

GWT

Ground water table GWT = 0,00 m

Global settings

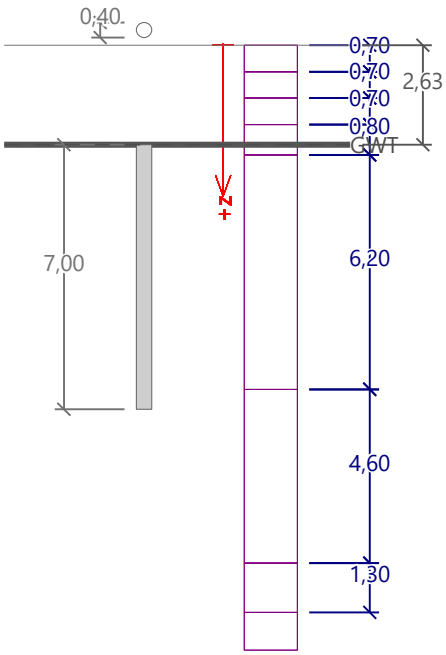
Analysis based on tests : CPT
The analysis does not consider the influence of negative skin friction.
Partial factor on model uncertainty γ_{cal} = 1,00

Geological profile and assigned soils

Position information
Terrain elevation = 52,22 m
Geological profile and assigned soils

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
1	0,70	0,00 .. 0,70	52,22 .. 51,52	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis	
2	0,70	0,70 .. 1,40	51,52 .. 50,82	4. Blogai išrūšiuotas smėlis	
3	0,70	1,40 .. 2,10	50,82 .. 50,12	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis	
4	0,80	2,10 .. 2,90	50,12 .. 49,32	5. Smėlingas mažo plastiškumo molis	
5	6,20	2,90 .. 9,10	49,32 .. 43,12	8. Moreninis smėlis mažo plaškumo molis	
6	4,60	9,10 .. 13,70	43,12 .. 38,52	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis	
7	1,30	13,70 .. 15,00	38,52 .. 37,22	10. Smėlingas mažo plastiškumo dulkis	
8	-	15,00 .. ∞	37,22 .. -	10. Smėlingas mažo plastiškumo dulkis	

Name : Profile and assignment | **Stage - analysis : 1 - 0**



Bearing capacity calculation - EN 1997-2

Calculation of vertical bearing capacity - intermediate results of tests

Intermediate results CPT - cpt-1

Total resistance	$R_{c,i}$	=	1969,12	kN
Skin bearing capacity	$R_{s,i}$	=	359,61	kN
Base bearing capacity	$R_{b,i}$	=	1609,51	kN
Medium magnitude of penetration resistance	$q_{cI,mean}$	=	30,78	MPa
Medium magnitude of penetration resistance	$q_{cII,mean}$	=	30,32	MPa
Medium magnitude of penetration resistance	$q_{cIII,mean}$	=	1,47	MPa

Maximum stress at pile base	$p_{max,base}$	=	12808,07	kPa
Reduced stress at pile base	$p_{max,base,red}$	=	12808,07	kPa

Calculation of vertical pile bearing capacity - intermediate results

Pile diameter	d_{eq}	=	0,40	m
Pile diameter at base	$d_{s,eq}$	=	0,40	m
Pile area at base	A_b	=	0,13	m^2
Coeff. of reduc. of pile base bear. capacity	α_p	=	0,80	
Coeff. of influence of pile shape	s	=	1,00	
Coeff. of influence of pile widened base	β	=	1,00	

Calculation of vertical bearing capacity - results

Analysis carried out for test: cpt-1

Minimum resistance of pile in compression	$R_{c,min}$	=	1969,12	kN
Coefficient	ξ_4	=	1,40	
Mean resistance of pile in compression	$R_{c,mean}$	=	1969,12	kN
Coefficient	ξ_3	=	1,40	
Characteristic pile bearing capacity	R_c	=	1406,52	kN
Design pile bearing capacity	R_{cd}	=	990,45	kN
Design load	$F_{s,d}$	=	430,00	kN

R_{cd} = 990,45 kN > $F_{s,d}$ = 430,00 kN

Verification of pile for bearing capacity is SATISFACTORY

Settlement calculation - EN 1997-2

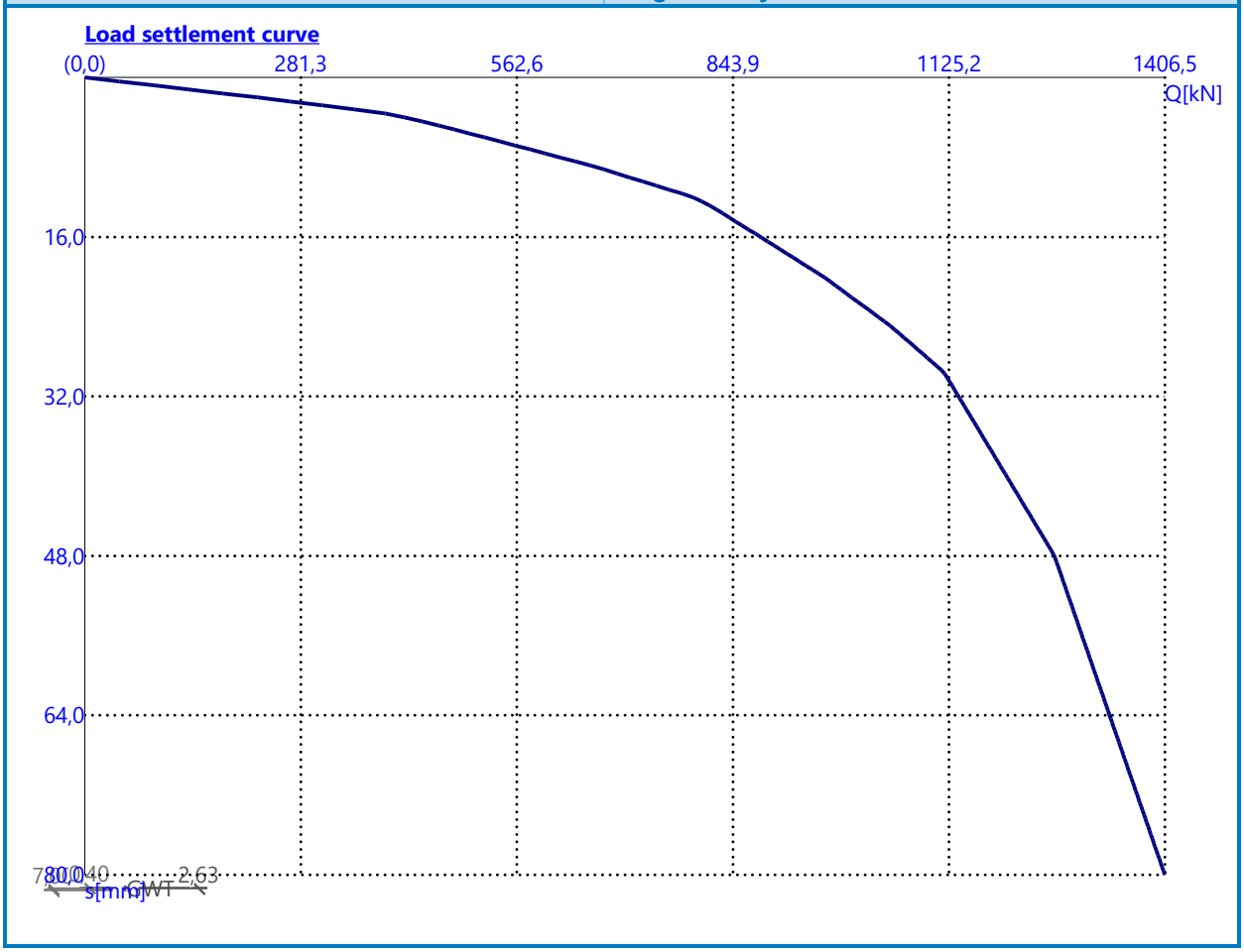
Settlement calculation:

Service load	F_s	=	320,00	kN
Skin bearing capacity	R_s	=	86,92	kN
Bearing capacity at base	R_b	=	233,08	kN
Pile base settlement	w_{base}	=	2,9	mm
Elastic deformation of pile	$w_{el,d}$	=	0,8	mm
Overall settlement	$w_{1,d}$	=	3,7	mm

Pile settlement calculation - results

For loading Fs = 320,00 kN the pile settlement is = 3,7 mm

Name : Settlement	Stage - analysis : 1 - -1



1.2 Poliaus tikrinimas pagal GR-2

Analysis of CPT pile

Input data

Settings

(input for current task)

Pile CPT

Verification methodology : EN 1997-2
Analysis type : EN 1997-2

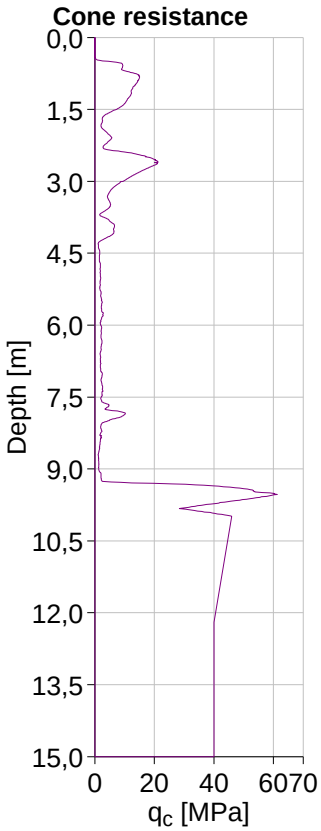
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

Reduction coefficients			
Reduction coeff. of load settlement curve :	k =	1,00	[–]

Tests

No.	Test name	Offset of the origin d_h [m]	Overall depth d_{tot} [m]
1	cpt-2	0,00	15,00

Test : cpt-2



Basic soil parameters

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m^3]	γ_{su} [kN/m^3]
1	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis		35,20	17,50	7,50
2	2. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		23,60	16,50	6,50
3	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		30,20	17,00	7,00
4	4. Blogai išrūšiuotas smėlis		35,60	17,50	7,50
5	5. Smėlingas mažo plastiškumo molis		15,80	21,10	11,10
6	6. Smėlingas mažo plastiškumo molis ir dulkis		24,20	21,50	11,50
7	7. Vidutinio plastiškumo molis		18,10	20,50	10,50
8	8. Moreninis smėlis mažo plaškumo molis		28,00	21,90	11,90

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m³]	γ_{su} [kN/m³]
9	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis		42,50	19,50	9,50
10	10. Smėlingas mažo plastiškumo dulkis		25,00	20,80	10,80

Construction

Type of construction : single pile
Design load Fs_d = 430,00 kN
Service load Fs = 320,00 kN

Geometry

Type of pile : continuous flight auger pile
Pile material : concrete
Reduce q_c III to 2 MPa : Yes
Elevation from the original ground = 9,11 m
Elevation from the finished grade = 6,30 m
Pile length in soil = 7,00 m
Pile head offset above terrain = 0,00 m
Depth of finished grade = 2,81 m

Pile cross-section - circular
Pile diameter d = 0,40 m

GWT

Ground water table GWT = 0,00 m

Global settings

Analysis based on tests : CPT
The analysis does not consider the influence of negative skin friction.
Partial factor on model uncertainty γ_{cal} = 1,00

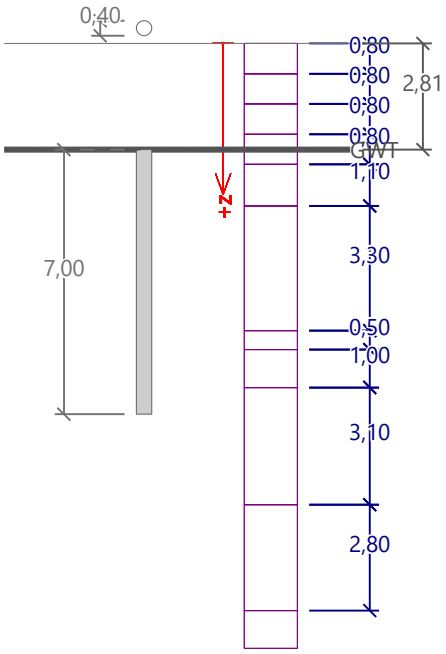
Geological profile and assigned soils

Position information
Terrain elevation = 9,11 m
Geological profile and assigned soils

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
1	0,80	0,00 .. 0,80	9,11 .. 8,31	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis	
2	0,80	0,80 .. 1,60	8,31 .. 7,51	4. Blogai išrūšiuotas smėlis	
3	0,80	1,60 .. 2,40	7,51 .. 6,71	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis	
4	0,80	2,40 .. 3,20	6,71 .. 5,91	4. Blogai išrūšiuotas smėlis	
5	1,10	3,20 .. 4,30	5,91 .. 4,81	6. Smėlingas mažo plastiškumo molis ir dulkis	
6	3,30	4,30 .. 7,60	4,81 .. 1,51	8. Moreninis smėlis mažo plaškumo molis	
7	0,50	7,60 .. 8,10	1,51 .. 1,01	8. Moreninis smėlis mažo plaškumo molis	

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
8	1,00	8,10 .. 9,10	1,01 .. 0,01	8. Moreninis smėlis mažo plaškumo molis	
9	3,10	9,10 .. 12,20	0,01 .. -3,09	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis	
10	2,80	12,20 .. 15,00	-3,09 .. -5,89	10. Smėlingas mažo plastiškumo dulkis	
11	-	15,00 .. ∞	-5,89 .. -	10. Smėlingas mažo plastiškumo dulkis	

Name : Profile and assignment | **Stage - analysis : 1 - 0**



Bearing capacity calculation - EN 1997-2

Calculation of vertical bearing capacity - intermediate results of tests

Intermediate results CPT - cpt-2

Total resistance	$R_{c,i}$	=	2253,64	kN
Skin bearing capacity	$R_{s,i}$	=	588,16	kN
Base bearing capacity	$R_{b,i}$	=	1665,48	kN
Medium magnitude of penetration resistance	$q_{cI,mean}$	=	32,04	MPa
Medium magnitude of penetration resistance	$q_{cII,mean}$	=	31,96	MPa
Medium magnitude of penetration resistance	$q_{cIII,mean}$	=	1,13	MPa
Maximum stress at pile base	$p_{max,base}$	=	13253,46	kPa
Reduced stress at pile base	$p_{max,base,red}$	=	13253,46	kPa

Calculation of vertical pile bearing capacity - intermediate results

Pile diameter	d_{eq}	=	0,40	m
Pile diameter at base	$d_{s,eq}$	=	0,40	m
Pile area at base	A_b	=	0,13	m^2
Coeff. of reduc. of pile base bear. capacity	α_p	=	0,80	
Coeff. of influence of pile shape	s	=	1,00	

Coeff. of influence of pile widened base β = 1,00

Calculation of vertical bearing capacity - results

Analysis carried out for test: cpt-2

Minimum resistance of pile in compression	$R_{c,min}$	=	2253,64	kN
Coefficient	ξ_4	=	1,40	
Mean resistance of pile in compression	$R_{c,mean}$	=	2253,64	kN
Coefficient	ξ_3	=	1,40	
Characteristic pile bearing capacity	R_c	=	1609,74	kN
Design pile bearing capacity	R_{cd}	=	1143,60	kN
Design load	$F_{s,d}$	=	430,00	kN

R_{cd} = 1143,60 kN > $F_{s,d}$ = 430,00 kN

Verification of pile for bearing capacity is SATISFACTORY

Settlement calculation - EN 1997-2

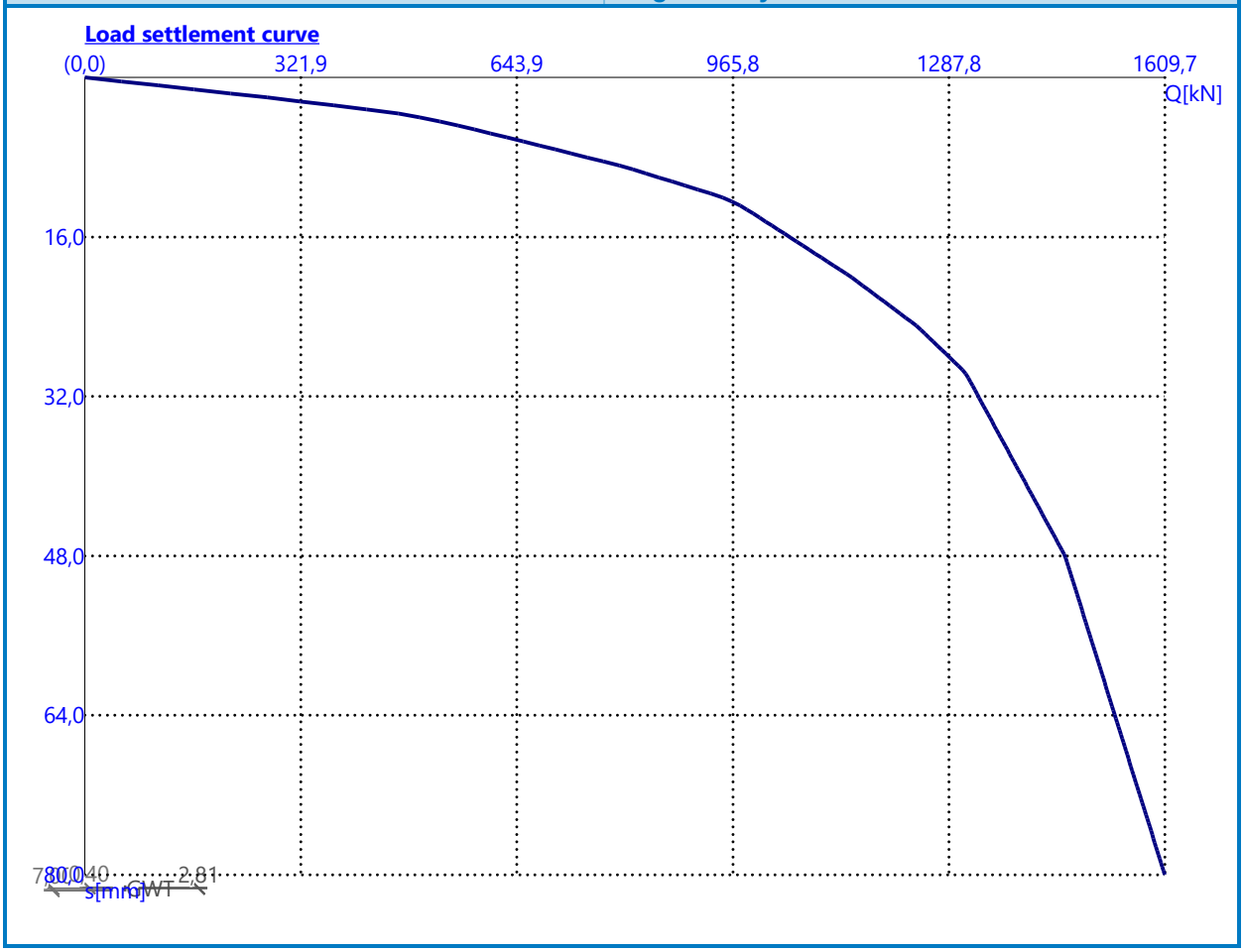
Settlement calculation:

Service load	F_s	=	320,00	kN
Skin bearing capacity	R_s	=	121,36	kN
Bearing capacity at base	R_b	=	198,64	kN
Pile base settlement	w_{base}	=	2,4	mm
Elastic deformation of pile	$w_{el,d}$	=	0,7	mm
Overall settlement	$w_{1,d}$	=	3,1	mm

Pile settlement calculation - results

For loading Fs = 320,00 kN the pile settlement is = 3,1 mm

Name : Settlement	Stage - analysis : 1 - -1



1.3 Poliaus tikrinimas pagal GR-3

Analysis of CPT pile

Input data

Settings

(input for current task)

Pile CPT

Verification methodology : EN 1997-2
Analysis type : EN 1997-2

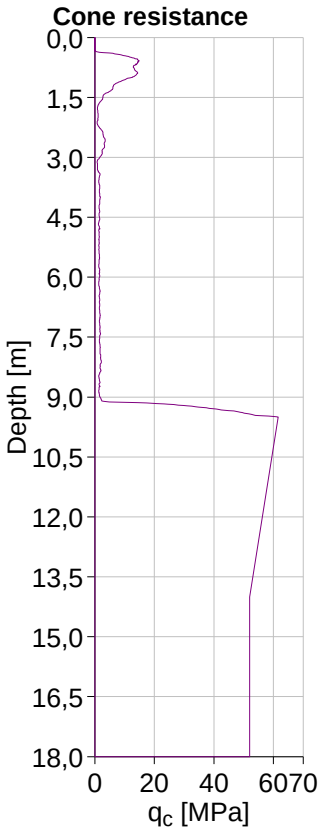
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

Reduction coefficients			
Reduction coeff. of load settlement curve :	k =	1,00	[–]

Tests

No.	Test name	Offset of the origin d_h [m]	Overall depth d_{tot} [m]
1	cpt-3	0,00	18,00

Test : cpt-3



Basic soil parameters

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m^3]	γ_{su} [kN/m^3]
1	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis		35,20	17,50	7,50
2	2. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		23,60	16,50	6,50
3	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		30,20	17,00	7,00
4	4. Blogai išrūšiuotas smėlis		35,60	17,50	7,50
5	5. Smėlingas mažo plastiškumo molis		15,80	21,10	11,10
6	6. Smėlingas mažo plastiškumo molis ir dulkis		24,20	21,50	11,50
7	7. Vidutinio plastiškumo molis		18,10	20,50	10,50
8	8. Moreninis smėlis mažo plaškumo molis		28,00	21,90	11,90

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m³]	γ_{su} [kN/m³]
9	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis		42,50	19,50	9,50
10	10. Smėlingas mažo plastiškumo dulkis		25,00	20,80	10,80

Construction

Type of construction : single pile
Design load Fs_d = 430,00 kN
Service load Fs = 320,00 kN

Geometry

Type of pile : continuous flight auger pile
Pile material : concrete
Reduce q_c III to 2 MPa : Yes
Elevation from the original ground = 9,09 m
Elevation from the finished grade = 6,30 m
Pile length in soil = 7,00 m
Pile head offset above terrain = 0,00 m
Depth of finished grade = 2,79 m

Pile cross-section - circular
Pile diameter d = 0,40 m

GWT

Ground water table GWT = 0,00 m

Global settings

Analysis based on tests : CPT
The analysis does not consider the influence of negative skin friction.
Partial factor on model uncertainty γ_{cal} = 1,00

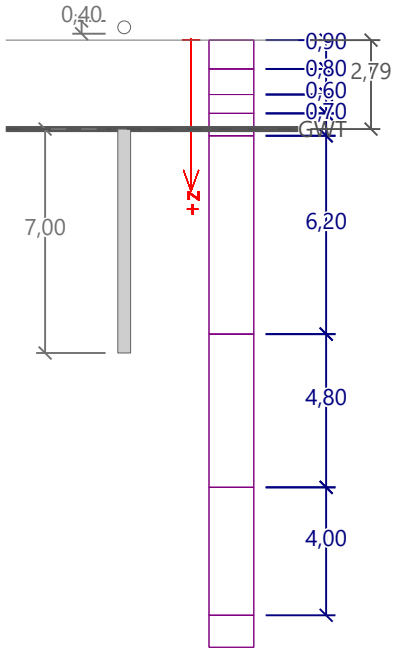
Geological profile and assigned soils

Position information
Terrain elevation = 9,09 m
Geological profile and assigned soils

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
1	0,90	0,00 .. 0,90	9,09 .. 8,19	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis	
2	0,80	0,90 .. 1,70	8,19 .. 7,39	4. Blogai išrūšiuotas smėlis	
3	0,60	1,70 .. 2,30	7,39 .. 6,79	2. Gerai išrūšiuotas mažai dulkingas - molingas smėlis	
4	0,70	2,30 .. 3,00	6,79 .. 6,09	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis	
5	6,20	3,00 .. 9,20	6,09 .. -0,11	8. Moreninis smėlis mažo plaškumo molis	
6	4,80	9,20 .. 14,00	-0,11 .. -4,91	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis	
7	4,00	14,00 .. 18,00	-4,91 .. -8,91	10. Smėlingas mažo plastiškumo dulkis	

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
8	-	18,00 .. ∞	-8,91 .. -	10. Smėlingas mažo plastiškumo dulkis	

Name : Profile and assignment | **Stage - analysis : 1 - 0**



Bearing capacity calculation - EN 1997-2

Calculation of vertical bearing capacity - intermediate results of tests

Intermediate results CPT - cpt-3

Total resistance	$R_{c,i}$	=	2236,05	kN
Skin bearing capacity	$R_{s,i}$	=	351,10	kN
Base bearing capacity	$R_{b,i}$	=	1884,96	kN
Medium magnitude of penetration resistance	$q_{cI,mean}$	=	48,28	MPa
Medium magnitude of penetration resistance	$q_{cII,mean}$	=	47,61	MPa
Medium magnitude of penetration resistance	$q_{cIII,mean}$	=	1,24	MPa
Maximum stress at pile base	$p_{max,base}$	=	19676,25	kPa
Reduced stress at pile base	$p_{max,base,red}$	=	15000,00	kPa

Calculation of vertical pile bearing capacity - intermediate results

Pile diameter	d_{eq}	=	0,40	m
Pile diameter at base	$d_{s,eq}$	=	0,40	m
Pile area at base	A_b	=	0,13	m^2
Coeff. of reduc. of pile base bear. capacity	α_p	=	0,80	
Coeff. of influence of pile shape	s	=	1,00	
Coeff. of influence of pile widened base	β	=	1,00	

Calculation of vertical bearing capacity - results

Analysis carried out for test: cpt-3

Minimum resistance of pile in compression	$R_{c,min}$	=	2236,05	kN
Coefficient	ξ_4	=	1,40	
Mean resistance of pile in compression	$R_{c,mean}$	=	2236,05	kN
Coefficient	ξ_3	=	1,40	
Characteristic pile bearing capacity	R_c	=	1597,18	kN

Design pile bearing capacity	R_{cd}	=	1121,46	kN
Design load	$F_{s,d}$	=	430,00	kN

R_{cd} = 1121,46 kN > $F_{s,d}$ = 430,00 kN

Verification of pile for bearing capacity is SATISFACTORY

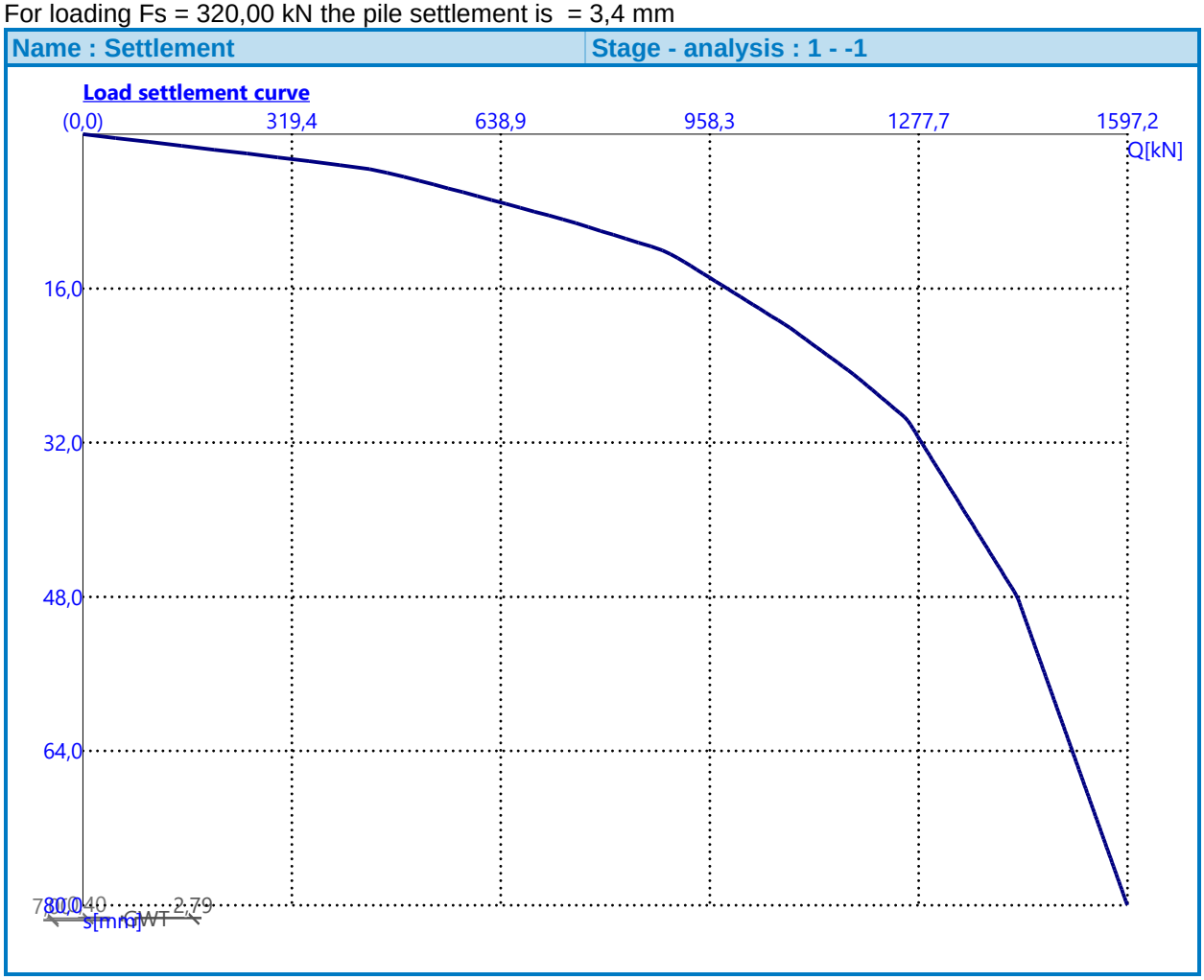
Settlement calculation - EN 1997-2

Settlement calculation:

Service load	F_s	=	320,00	kN
Skin bearing capacity	R_s	=	77,11	kN
Bearing capacity at base	R_b	=	242,89	kN
Pile base settlement	w_{base}	=	2,6	mm
Elastic deformation of pile	$w_{el,d}$	=	0,8	mm
Overall settlement	$w_{1,d}$	=	3,4	mm

Pile settlement calculation - results

For loading Fs = 320,00 kN the pile settlement is = 3,4 mm



1.4 Poliaus tikrinimas pagal GR-4

Analysis of CPT pile

Input data

Settings

(input for current task)

Pile CPT

Verification methodology : EN 1997-2
Analysis type : EN 1997-2

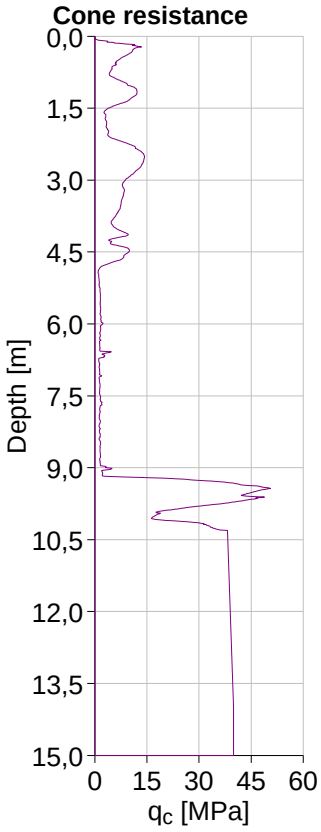
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

Reduction coefficients			
Reduction coeff. of load settlement curve :	k =	1,00	[–]

Tests

No.	Test name	Offset of the origin d_h [m]	Overall depth d_{tot} [m]
1	cpt-4	0,00	15,00

Test : cpt-4



Basic soil parameters

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m³]	γ_{su} [kN/m³]
1	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis		35,20	17,50	7,50
2	2. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		23,60	16,50	6,50
3	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		30,20	17,00	7,00

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m³]	γ_{su} [kN/m³]
4	4. Blogai išrūšiuotas smėlis		35,60	17,50	7,50
5	5. Smėlingas mažo plastiškumo molis		15,80	21,10	11,10
6	6. Smėlingas mažo plastiškumo molis ir dulkis		24,20	21,50	11,50
7	7. Vidutinio plastiškumo molis		18,10	20,50	10,50
8	8. Moreninis smėlis mažo plaškumo molis		28,00	21,90	11,90
9	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis		42,50	19,50	9,50
10	10. Smėlingas mažo plastiškumo dulkis		25,00	20,80	10,80

Construction

Type of construction : single pile
Design load Fs_d = 430,00 kN
Service load Fs = 320,00 kN

Geometry

Type of pile : continuous flight auger pile
Pile material : concrete
Reduce q_c III to 2 MPa : Yes
Elevation from the original ground = 52,22 m
Elevation from the finished grade = 49,34 m
Pile length in soil = 7,00 m
Pile head offset above terrain = 0,00 m
Depth of finished grade = 2,88 m

Pile cross-section - circular
Pile diameter d = 0,40 m

GWT

Ground water table GWT = 0,00 m

Global settings

Analysis based on tests : CPT
The analysis does not consider the influence of negative skin friction.
Partial factor on model uncertainty γ_{cal} = 1,00

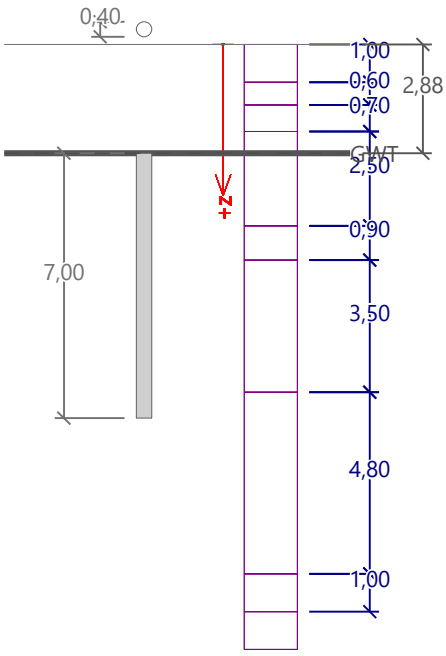
Geological profile and assigned soils

Position information
Terrain elevation = 52,22 m
Geological profile and assigned soils

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
1	1,00	0,00 .. 1,00	52,22 .. 51,22	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis	
2	0,60	1,00 .. 1,60	51,22 .. 50,62	4. Blogai išrūšiuotas smėlis	

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
3	0,70	1,60 .. 2,30	50,62 .. 49,92	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis	
4	2,50	2,30 .. 4,80	49,92 .. 47,42	4. Blogai išrūšiuotas smėlis	
5	0,90	4,80 .. 5,70	47,42 .. 46,52	7. Vidutinio plastiškumo molis	
6	3,50	5,70 .. 9,20	46,52 .. 43,02	8. Moreninis smėlis mažo plaškumo molis	
7	4,80	9,20 .. 14,00	43,02 .. 38,22	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis	
8	1,00	14,00 .. 15,00	38,22 .. 37,22	10. Smėlingas mažo plastiškumo dulkis	
9	-	15,00 .. ∞	37,22 .. -	10. Smėlingas mažo plastiškumo dulkis	

Name : Profile and assignment | **Stage - analysis : 1 - 0**



Bearing capacity calculation - EN 1997-2

Calculation of vertical bearing capacity - intermediate results of tests

Intermediate results CPT - cpt-4

Total resistance	$R_{c,i}$	=	1177,91	kN
Skin bearing capacity	$R_{s,i}$	=	367,99	kN
Base bearing capacity	$R_{b,i}$	=	809,92	kN
Medium magnitude of penetration resistance	$q_{cI,mean}$	=	15,33	MPa
Medium magnitude of penetration resistance	$q_{cII,mean}$	=	14,53	MPa
Medium magnitude of penetration resistance	$q_{cIII,mean}$	=	1,18	MPa
Maximum stress at pile base	$p_{max,base}$	=	6445,17	kPa

Reduced stress at pile base $p_{max,base,red}$ = 6445,17 kPa

Calculation of vertical pile bearing capacity - intermediate results

Pile diameter	d_{eq}	= 0,40	m
Pile diameter at base	$d_{s,eq}$	= 0,40	m
Pile area at base	A_b	= 0,13	m^2
Coeff. of reduc. of pile base bear. capacity	α_p	= 0,80	
Coeff. of influence of pile shape	s	= 1,00	
Coeff. of influence of pile widened base	β	= 1,00	

Calculation of vertical bearing capacity - results

Analysis carried out for test: cpt-4

Minimum resistance of pile in compression	$R_{c,min}$	= 1177,91	kN
Coefficient	ξ_4	= 1,40	
Mean resistance of pile in compression	$R_{c,mean}$	= 1177,91	kN
Coefficient	ξ_3	= 1,40	
Characteristic pile bearing capacity	R_c	= 841,37	kN
Design pile bearing capacity	R_{cd}	= 601,17	kN
Design load	$F_{s,d}$	= 430,00	kN

R_{cd} = 601,17 kN > $F_{s,d}$ = 430,00 kN

Verification of pile for bearing capacity is SATISFACTORY

Settlement calculation - EN 1997-2

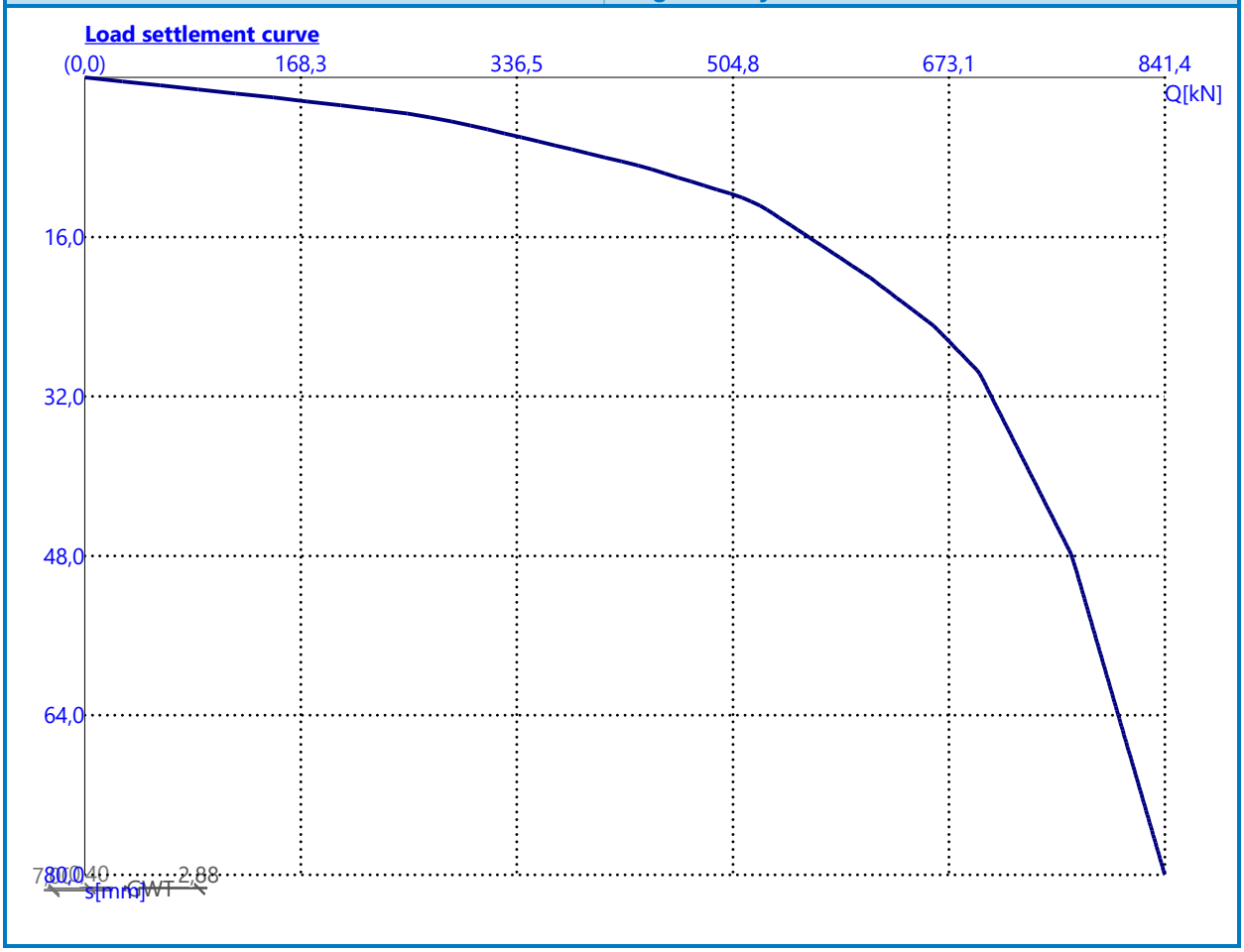
Settlement calculation:

Service load	F_s	= 320,00	kN
Skin bearing capacity	R_s	= 144,15	kN
Bearing capacity at base	R_b	= 175,85	kN
Pile base settlement	w_{base}	= 5,4	mm
Elastic deformation of pile	$w_{el,d}$	= 0,7	mm
Overall settlement	$w_{1,d}$	= 6,1	mm

Pile settlement calculation - results

For loading Fs = 320,00 kN the pile settlement is = 6,1 mm

Name : Settlement	Stage - analysis : 1 - -1



1.5 Poliaus tikrinimas pagal GR-5

Analysis of CPT pile

Input data

Settings

(input for current task)

Pile CPT

Verification methodology : EN 1997-2
Analysis type : EN 1997-2

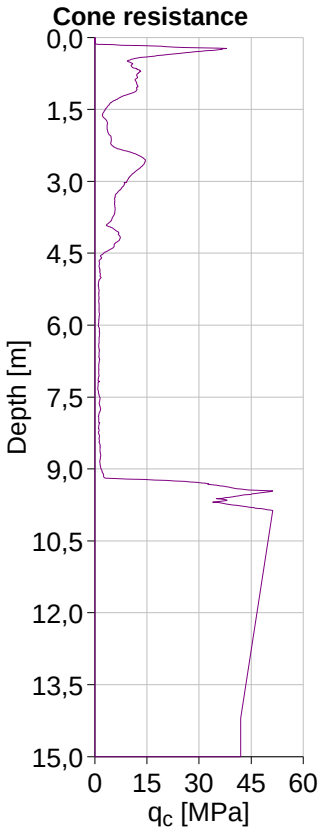
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

Reduction coefficients			
Reduction coeff. of load settlement curve :	k =	1,00	[–]

Tests

No.	Test name	Offset of the origin d_h [m]	Overall depth d_{tot} [m]
1	cpt-5	0,00	15,00

Test : cpt-5



Basic soil parameters

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m^3]	γ_{su} [kN/m^3]
1	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis		35,20	17,50	7,50
2	2. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		23,60	16,50	6,50
3	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis		30,20	17,00	7,00
4	4. Blogai išrūšiuotas smėlis		35,60	17,50	7,50
5	5. Smėlingas mažo plastiškumo molis		15,80	21,10	11,10
6	6. Smėlingas mažo plastiškumo molis ir dulkis		24,20	21,50	11,50
7	7. Vidutinio plastiškumo molis		18,10	20,50	10,50
8	8. Moreninis smėlis mažo plaškumo molis		28,00	21,90	11,90

No.	Name	Pattern	φ_{ef} [°]	γ [kN/m³]	γ_{su} [kN/m³]
9	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis		42,50	19,50	9,50
10	10. Smėlingas mažo plastiškumo dulkis		25,00	20,80	10,80

Construction

Type of construction : single pile
Design load Fs_d = 430,00 kN
Service load Fs = 320,00 kN

Geometry

Type of pile : continuous flight auger pile
Pile material : concrete
Reduce q_c III to 2 MPa : Yes
Elevation from the original ground = 9,08 m
Elevation from the finished grade = 6,30 m
Pile length in soil = 7,00 m
Pile head offset above terrain = 0,00 m
Depth of finished grade = 2,78 m

Pile cross-section - circular
Pile diameter d = 0,40 m

GWT

Ground water table GWT = 0,00 m

Global settings

Analysis based on tests : CPT
The analysis does not consider the influence of negative skin friction.
Partial factor on model uncertainty γ_{cal} = 1,00

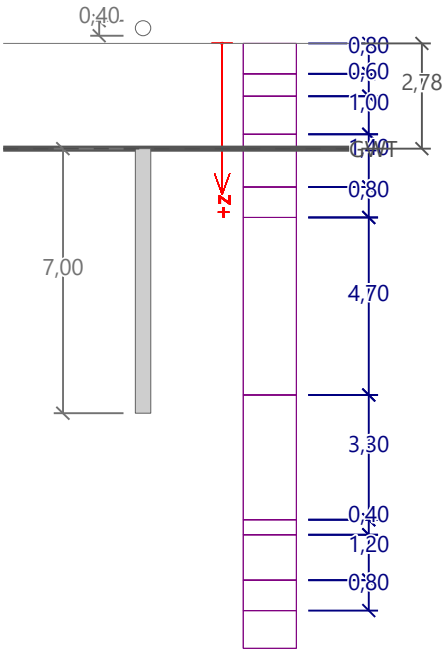
Geological profile and assigned soils

Position information
Terrain elevation = 9,08 m
Geological profile and assigned soils

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
1	0,80	0,00 .. 0,80	9,08 .. 8,28	1. Piltinis gruntas (Mg): smulkus ir dulkingas smėlis	
2	0,60	0,80 .. 1,40	8,28 .. 7,68	4. Blogai išrūšiuotas smėlis	
3	1,00	1,40 .. 2,40	7,68 .. 6,68	3. Gerai išrūšiuotas mažai dulkingas - molingas smėlis	
4	1,40	2,40 .. 3,80	6,68 .. 5,28	4. Blogai išrūšiuotas smėlis	
5	0,80	3,80 .. 4,60	5,28 .. 4,48	6. Smėlingas mažo plastiškumo molis ir dulkis	
6	4,70	4,60 .. 9,30	4,48 .. -0,22	8. Moreninis smėlis mažo plaškumo molis	
7	3,30	9,30 .. 12,60	-0,22 .. -3,52	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis	

No.	Thickness of layer t [m]	Depth z [m]	Elevation [m]	Assigned soil	Pattern
8	0,40	12,60 .. 13,00	-3,52 .. -3,92	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis	
9	1,20	13,00 .. 14,20	-3,92 .. -5,12	9. Blogai išrūšiuotas mažai dulkingas - molingas smėlis	
10	0,80	14,20 .. 15,00	-5,12 .. -5,92	10. Smėlingas mažo plastiškumo dulkis	
11	-	15,00 .. ∞	-5,92 .. -	10. Smėlingas mažo plastiškumo dulkis	

Name : Profile and assignment | **Stage - analysis : 1 - 0**



Bearing capacity calculation - EN 1997-2

Calculation of vertical bearing capacity - intermediate results of tests

Intermediate results CPT - cpt-5

Total resistance	$R_{c,i}$	=	2347,00	kN
Skin bearing capacity	$R_{s,i}$	=	462,05	kN
Base bearing capacity	$R_{b,i}$	=	1884,96	kN
Medium magnitude of penetration resistance	$q_{cI,mean}$	=	39,54	MPa
Medium magnitude of penetration resistance	$q_{cII,mean}$	=	39,49	MPa
Medium magnitude of penetration resistance	$q_{cIII,mean}$	=	1,10	MPa
Maximum stress at pile base	$p_{max,base}$	=	16243,59	kPa
Reduced stress at pile base	$p_{max,base,red}$	=	15000,00	kPa

Calculation of vertical pile bearing capacity - intermediate results

Pile diameter	d_{eq}	=	0,40	m
Pile diameter at base	$d_{s,eq}$	=	0,40	m
Pile area at base	A_b	=	0,13	m^2
Coeff. of reduc. of pile base bear. capacity	α_p	=	0,80	
Coeff. of influence of pile shape	s	=	1,00	

Coeff. of influence of pile widened base β = 1,00

Calculation of vertical bearing capacity - results

Analysis carried out for test: cpt-5

Minimum resistance of pile in compression	$R_{c,min}$	=	2347,00	kN
Coefficient	ξ_4	=	1,40	
Mean resistance of pile in compression	$R_{c,mean}$	=	2347,00	kN
Coefficient	ξ_3	=	1,40	
Characteristic pile bearing capacity	R_c	=	1676,43	kN
Design pile bearing capacity	R_{cd}	=	1182,42	kN
Design load	$F_{s,d}$	=	430,00	kN

R_{cd} = 1182,42 kN > $F_{s,d}$ = 430,00 kN

Verification of pile for bearing capacity is SATISFACTORY

Settlement calculation - EN 1997-2

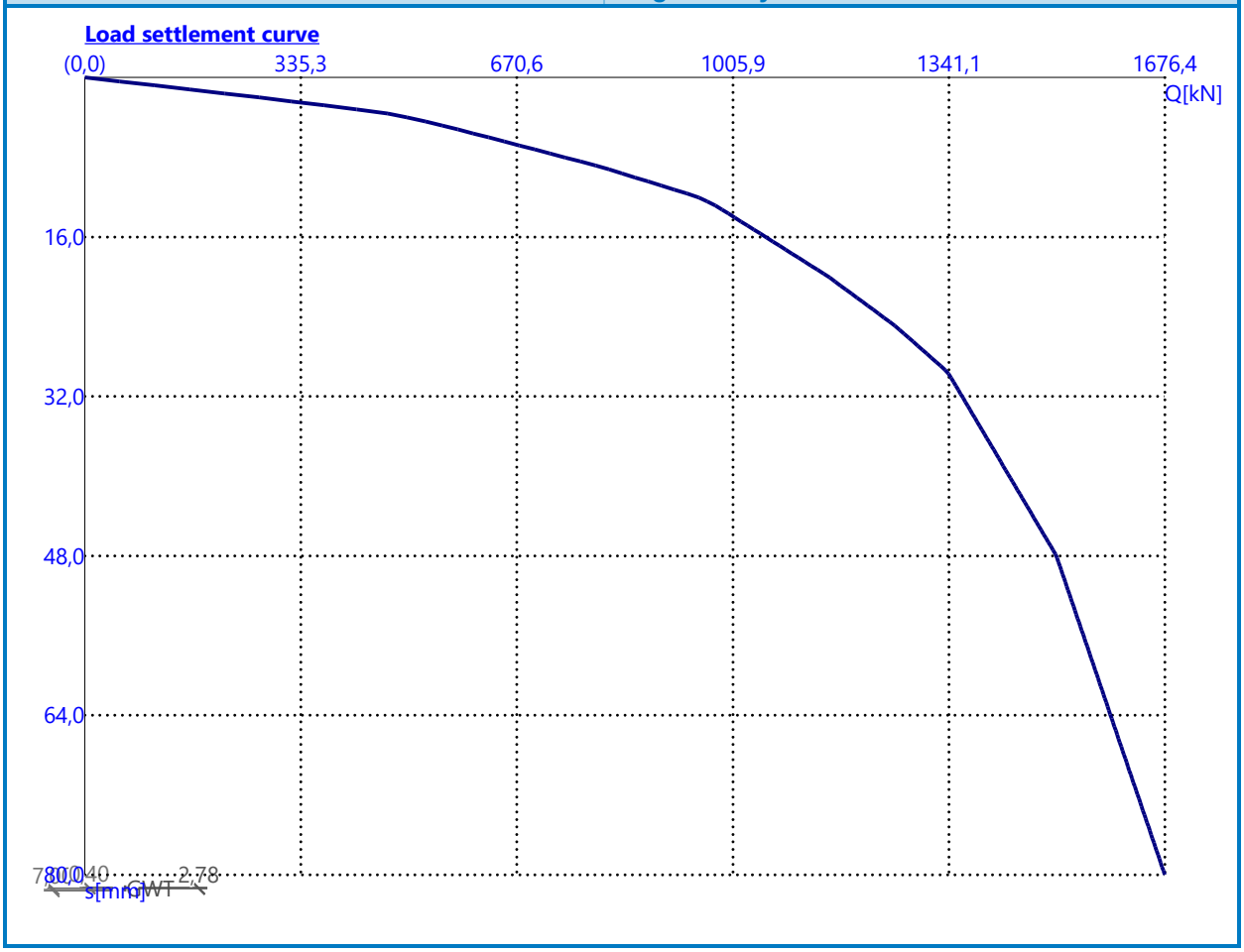
Settlement calculation:

Service load	F_s	=	320,00	kN
Skin bearing capacity	R_s	=	95,30	kN
Bearing capacity at base	R_b	=	224,70	kN
Pile base settlement	w_{base}	=	2,4	mm
Elastic deformation of pile	$w_{el,d}$	=	0,8	mm
Overall settlement	$w_{1,d}$	=	3,2	mm

Pile settlement calculation - results

For loading Fs = 320,00 kN the pile settlement is = 3,2 mm

Name : Settlement	Stage - analysis : 1 - -1



0276-XX-TP-SK.IS.PR-02

ANTŽEMINĖS DALIES SKAIČIAVIMAI

Structural Analysis

Chapters

1	Basic Objects	3
2	Load Cases & Combinations	6
3	Loads	7
4	Static Analysis Results	20
5	Concrete Design	119
6	Steel Design	164

CLIENT

VŠĮ VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS

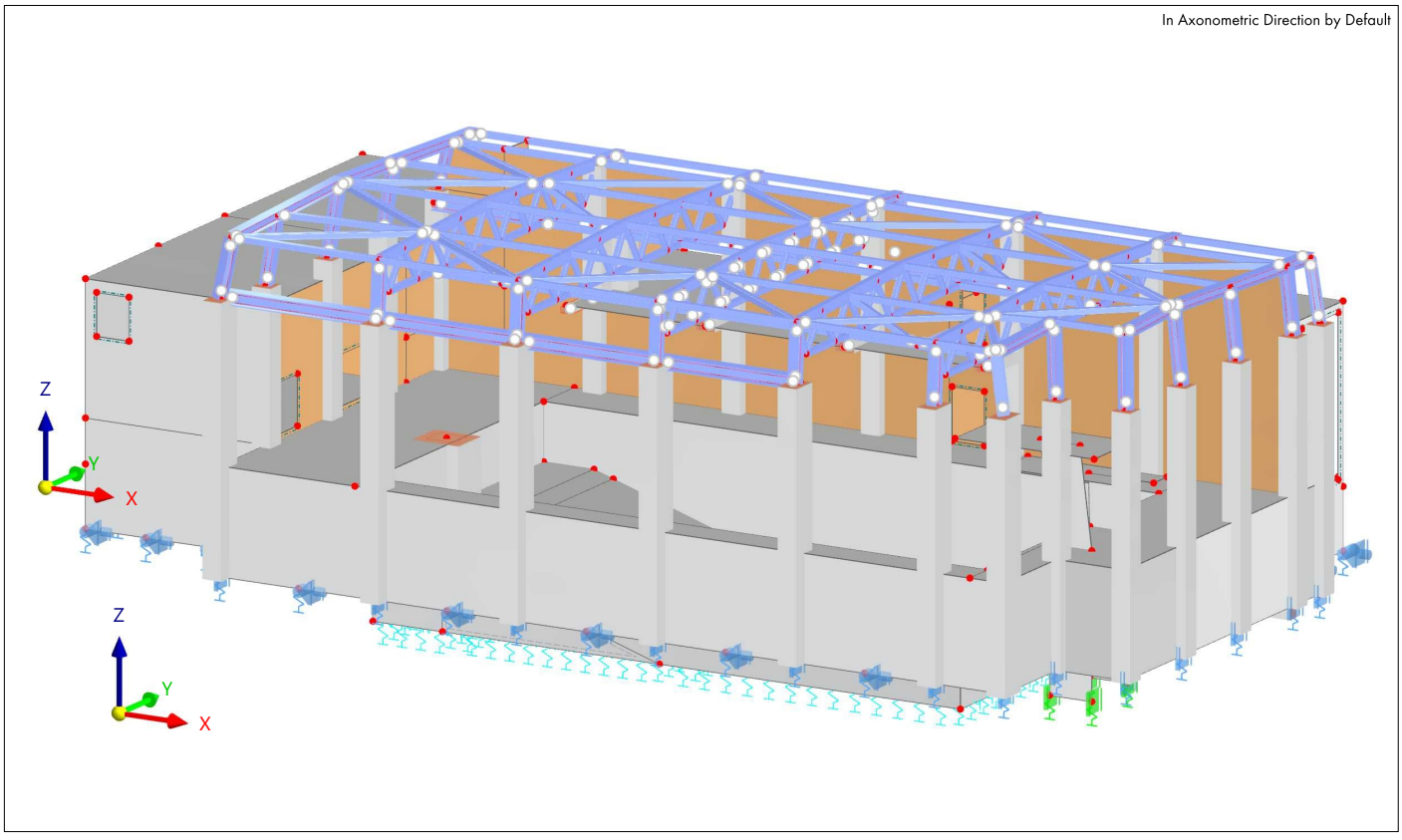
CREATED BY

UAB „Egna"

PROJECT

MOKSLO PASKIRTIES PASTATO - MOKYMŲ CENTRO I. KANTO G. 7A, KLAIPĖDOJE STATYBOS PROJEKTAS

MODEL



CONTENTS

1 Basic Objects 3
1.1 Materials 3
1.2 Sections 3
1.3 Thicknesses 4
1.4 Model 5

2 Load Cases & Combinations 6
2.1 Load Cases 6
2.2 Actions 6
2.3 Static Analysis Settings 7
2.4 Combination Wizards 7
2.4.1 Combination Wizards - Initial State Items 7

3 Loads 7
3.1 LC1 - Nuolatinė 7
3.1.1 Member Loads 7
3.1.2 Surface Loads 8
3.1.3 LC1: , Loading, In Axonometric Direction 9
3.2 LC2 - Vanduo 10
3.2.1 Surface Loads 10
3.2.2 Free Rectangular Loads 10
3.2.3 LC2: , Loading, In Axonometric Direction 11
3.3 LC3 - Grunas 12
3.3.1 Free Rectangular Loads 12
3.3.2 LC3: , Loading, In Axonometric Direction 13
3.4 LC4 - Naudojimo 14
3.4.1 Member Loads 14
3.4.2 Surface Loads 14
3.4.3 LC4: , Loading, In Axonometric Direction 15
3.5 LC5 - Sniegas 16
3.5.1 Member Loads 16
3.5.2 Surface Loads 16
3.5.3 LC5: Loading, In Axonometric Direction 17
3.6 LC6 - Kranas 18
3.6.1 Nodal Loads 18
3.6.2 Member Loads 18
3.6.3 LC6: , Loading, In Axonometric Direction 19

4 Static Analysis Results 20
4.1 DS1: Envelope Values - Max Values, In direction -Z 21
4.2 Nodes - Support Forces 22
4.3 DS1: Envelope Values - Max Values, Nodal Supports P_z, In direction -Z 118

5 Concrete Design 119
5.1 Objects to Design 119
5.2 Design Situations 119
5.3 Results 119
5.3.1 Reinforcement on Members 119
5.3.1.1 Model, In Axonometric Direction 120
5.3.1.2 Required Reinforcement by Member Set 121
5.3.2 Reinforcement on Surfaces 125
5.3.2.1 Model, In Axonometric Direction 126
5.3.2.2 Required Reinforcement by Surface 127
5.3.3 Slab No.82 129
5.3.3.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 130
5.3.3.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 131
5.3.3.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 132
5.3.3.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 133
5.3.4 Slab No. 43 134
5.3.4.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 135
5.3.4.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 136
5.3.4.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 137
5.3.4.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 138
5.3.5 Slab No. 83 139
5.3.5.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 140
5.3.5.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 141
5.3.5.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 142
5.3.5.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 143
5.3.6 Slab No.56,57 144
5.3.6.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 145
5.3.6.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 146
5.3.6.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 147
5.3.6.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 148
5.3.7 Slab No. 73 149
5.3.7.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 150
5.3.7.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 151
5.3.7.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 152
5.3.7.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 153
5.3.8 Slab No. 74 154
5.3.8.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 155
5.3.8.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 156
5.3.8.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 157
5.3.8.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 158
5.3.9 Reinforcement of pool 159
5.3.9.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In Axonometric Direction 160
5.3.9.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In Axonometric Direction 161
5.3.9.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In Axonometric Direction 162
5.3.9.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In Axonometric Direction 163

6 Steel Design 164
6.1 Objects to Design 164
6.2 Design Situations 164
6.3 Results 164
6.3.1 Model, In direction +X 165
6.3.2 Design Ratios on Members by Member Set 166
6.3.3 Steel Design: Max. of all design checks, Serviceability Limit State, Ultimate Limit State, In direction +X 171

1 Basic Objects

1.1 MATERIALS

Legend
- Concrete Settings
- Creep/Shrinkage/Aging Settings
- User-Defined Material

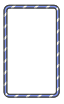
Material No.	Material Name	Material Type	Analysis Model	Options
1	C30/37 | Isotropic | Linear Elastic | C30/37	Concrete	Isotropic | Linear Elastic	
	C30/37			
2	S355 | Isotropic | Linear Elastic | S355JR	Steel	Isotropic | Linear Elastic	
	S355JR			
3	S355 | Isotropic | Linear Elastic | S355J2H	Steel	Isotropic | Linear Elastic	
	S355J2H			
4	B500S(B) | Isotropic | Linear Elastic	Reinforcing Steel	Isotropic | Linear Elastic	
5	Porotherm 20-40 SBZ Plan Dryfix, fck = 16 N/mm² | Isotropic | Linear Elastic	Masonry	Isotropic | Linear Elastic	
6	C35/45 | Isotropic | Linear Elastic	Concrete	Isotropic | Linear Elastic	
7	Gruntas	Basic	Isotropic | Linear Elastic	

1.2 SECTIONS

R_M1 400/400 

HEB 260 

R_M1 250/500 

RHS 200x120x6 

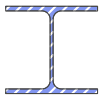
SHS 100x4 

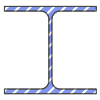
SHS 100x5 

SHS 80x4 

R_M1 400/200 

R_M1 400/200 

HE 200 A 

HE 200 A 

R_M1 400/400 

R_M1 850/1000 

R_M1 400/600 

Section No.	Material No.	Section Type	Manufacturing Type	I_t [cm⁴] A [cm²]	I_y [cm⁴] A_y [cm²]	I_z [cm⁴] A_z [cm²]	Overall Dimensions b [mm]	h [mm]
1	R_M1 400/400 | 6 - C35/45							
	6	Parametric - Massive I		360533.33	213333.33	213333.33	400.0	400.0
				1600.00	1333.33	1333.33		
2	HEB 260 | 2 - S355							
	2	Standardized - Steel	Hot rolled	124.00	14920.00	5130.00	260.0	260.0
				118.00	82.11	25.48		
3	R_M1 250/500 | 1 - C30/37							
	1	Parametric - Massive I		178812.66	260416.67	65104.17	250.0	500.0
				1250.00	1041.67	1041.67		
4	RHS 200x120x6 | 3 - S355							
	3	Standardized - Steel	Cold formed	1947.00	1929.00	874.00	120.0	200.0
				36.00	9.92	21.29		
5	SHS 100x4 | 3 - S355							
	3	Standardized - Steel	Cold formed	362.00	226.00	226.00	100.0	100.0
				14.90	6.48	6.48		
6	SHS 100x5 | 3 - S355							
	3	Standardized - Steel	Cold formed	441.00	271.00	271.00	100.0	100.0
				18.40	8.05	8.05		
7	SHS 80x4 | 3 - S355							
	3	Standardized - Steel	Cold formed	180.00	111.00	111.00	80.0	80.0
				11.70	5.15	5.15		
8	R_M1 400/200 | 1 - C30/37							
	1	Parametric - Massive I		73241.67	26666.67	106666.67	400.0	200.0
				800.00	666.67	666.67		
9	R_M1 400/200 | 1 - C30/37							
	1	Parametric - Massive I		73241.67	26666.67	106666.67	400.0	200.0
				800.00	666.67	666.67		
10	HE 200 A | 2 - S355							
	2	Standardized - Steel	Hot rolled	20.98	3692.00	1336.00	200.0	190.0
				53.80	33.51	10.67		
11	HE 200 A | 3 - S355							
	3	Standardized - Steel	Hot rolled	20.98	3692.00	1336.00	200.0	190.0

1.2 SECTIONS

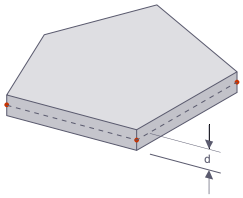
R_M1
1000/1000



Section No.	Material No.	Section Type	Manufacturing Type	I_t [cm⁴] A [cm²]	I_y [cm⁴] A_y [cm²]	I_z [cm⁴] A_z [cm²]	Overall Dimensions b [mm]	h [mm]
				53.80	33.51	10.67		
12	R_M1 400/400 | 1 - C30/37							
	1	Parametric - Massive I		360533.33	213333.33	213333.33	400.0	400.0
				1600.00	1333.33	1333.33		
13	R_M1 850/1000 | 6 - C35/45							
	6	Parametric - Massive I		9985560.50	7083333.33	5117708.33	850.0	1000.0
				8500.00	7083.33	7083.33		
14	R_M1 400/600 | 6 - C35/45							
	6	Parametric - Massive I		751249.38	720000.00	320000.00	400.0	600.0
				2400.00	2000.00	2000.00		
15	R_M1 1000/1000 | 6 - C35/45							
	6	Parametric - Massive I		14083333.33	8333333.33	8333333.33	1000.0	1000.0
				10000.00	8333.33	8333.33		

1.3 THICKNESSES

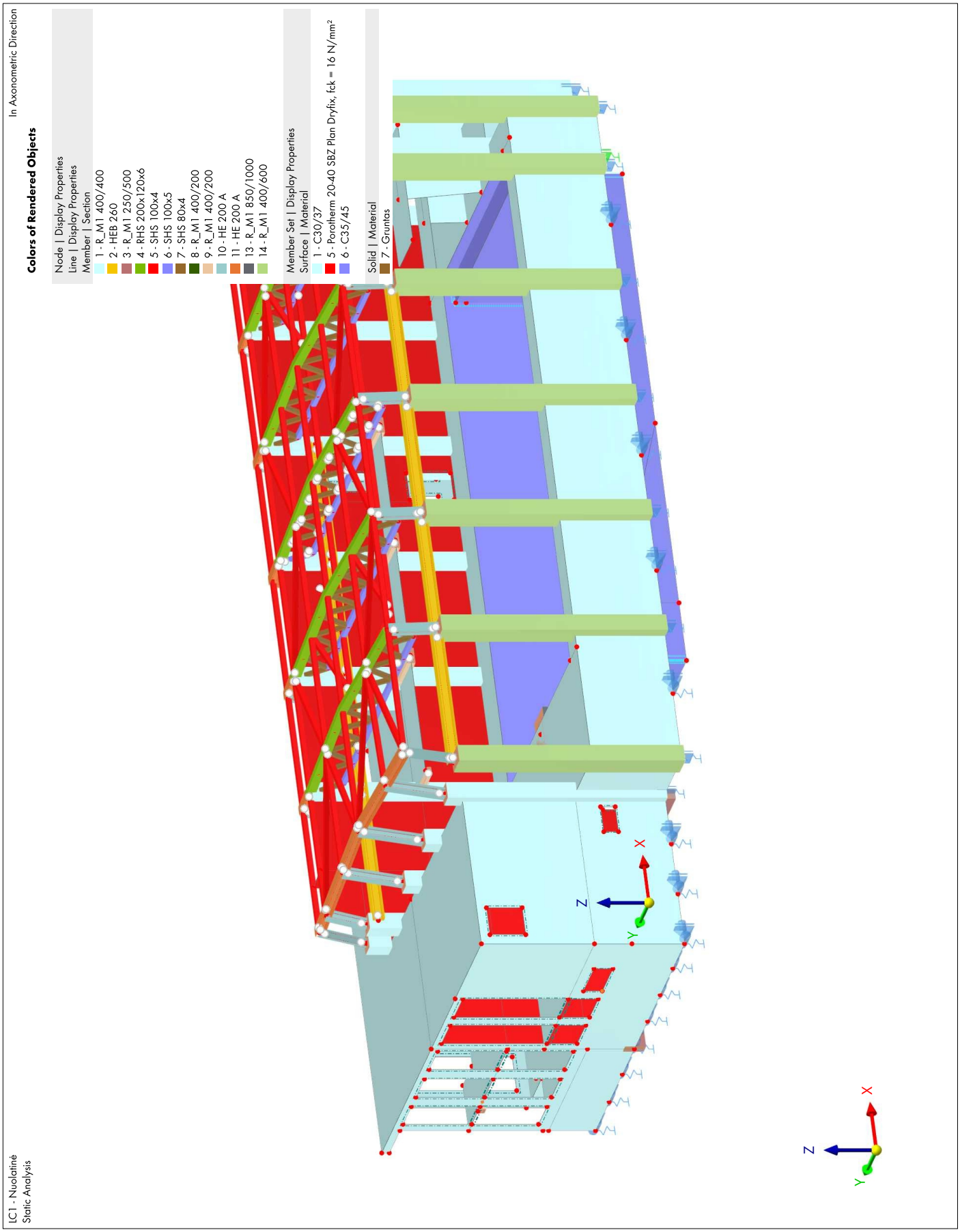
Uniform



Thick. No.	Type	Assigned to Surface No.	Material	Thickness Symbol	Value	Unit	Nodes	Direction
1	Uniform | d : 200.0 mm | 1 - C30/37							
	Uniform	1,44,57,106-108	1	d	200.0	mm		
2	Uniform | d : 350.0 mm | 1 - C30/37							
	Uniform	58,62,64,109-112,114,115	1	d	350.0	mm		
3	Uniform | d : 240.0 mm | 5 - Porotherm 20-40 SBZ Plan Dryfix, fck = 16 N/mm²							
	Uniform	3, 8-11,14-19,24-26,35-39,71,72,92-103,113,116	5	d	240.0	mm		
4	Uniform | d : 200.0 mm | 1 - C30/37							
	Uniform	5-7	1	d	200.0	mm		
6	Uniform | d : 250.0 mm | 1 - C30/37 | From Tekla Surface							
	Uniform	20-23	1	d	250.0	mm		
	From Tekla Surface							
7	Uniform | d : 400.0 mm | 1 - C30/37 | From Tekla Surface							
	Uniform	12,27-31	1	d	400.0	mm		
	From Tekla Surface							
9	Uniform | d : 300.0 mm | 1 - C30/37 | From Tekla Surface							
	Uniform	32,50,51,59,61,63,65,70,84-91	1	d	300.0	mm		
	From Tekla Surface							
11	Uniform | d : 180.0 mm | 1 - C30/37 | From Tekla Surface							
	Uniform	56	1	d	180.0	mm		
	From Tekla Surface							
12	Uniform | d : 500.0 mm | 6 - C35/45							
	Uniform	66,68,69,76,79,80	6	d	500.0	mm		
13	Uniform | d : 300.0 mm | 1 - C30/37							
	Uniform	43,73,74	1	d	300.0	mm		
14	Uniform | d : 250.0 mm | 1 - C30/37							
	Uniform	82,83	1	d	250.0	mm		
15	Uniform | d : 200.0 mm | 6 - C35/45							
	Uniform	2,54,67	6	d	200.0	mm		
16	Uniform | d : 300.0 mm | 6 - C35/45							
	Uniform	52,53,55,77,78,81	6	d	300.0	mm		

1.4 MODEL

Static Analysis



2 Load Cases & Combinations

2.1 LOAD CASES

LC No.	Settings	Value	Unit	To Solve
1	G Nuolatinė			
	Analysis type	Static Analysis		☒
	Associated standard	EN 1990 | LST |2012-01		
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson		
	Action category	G Permanent		
	Self-weight - Factor in direction X	0.000	–	
	Self-weight - Factor in direction Y	0.000	–	
	Self-weight - Factor in direction Z	-1.000	–	
	Self-weight mode for geotechnical analysis	Normal		
2	G Vanduo			
	Analysis type	Static Analysis		☒
	Associated standard	EN 1990 | LST |2012-01		
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson		
	Action category	G Permanent		
	Self-weight mode for geotechnical analysis	Normal		
3	G Grunas			
	Analysis type	Static Analysis		☒
	Associated standard	EN 1990 | LST |2012-01		
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson		
	Action category	G Permanent		
	Self-weight mode for geotechnical analysis	Normal		
4	QB Naudojimo			
	Analysis type	Static Analysis		☒
	Associated standard	EN 1990 | LST |2012-01		
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson		
	Action category	QB Imposed loads - category B: office areas		
	Self-weight mode for geotechnical analysis	Normal		
	Imposed load is considered as fatigue	☐		
5	Qs Sniegas			
	Analysis type	Static Analysis		☒
	Associated standard	EN 1990 | LST |2012-01		
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson		
	Action category	Qs Snow/Ice loads		
	Self-weight mode for geotechnical analysis	Normal		
6	A Kranas			
	Analysis type	Static Analysis		☒
	Associated standard	EN 1990 | LST |2012-01		
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson		
	Action category	A Accidental actions		
	Self-weight mode for geotechnical analysis	Normal		

2.2 ACTIONS

Action No.	Settings	Value	Active
1	G Permanent		
	Action Category	G Permanent	☒
	Action Type	Simultaneously	
	Associated Standard	EN 1990 | LST |2012-01	
2	QB Imposed loads - category B: office areas		
	Action Category	QB Imposed loads - category B: office areas	☒
	Action Type	Simultaneously	
	Associated Standard	EN 1990 | LST |2012-01	
3	Qs Snow/Ice loads		
	Action Category	Qs Snow/Ice loads	☒
	Action Type	Alternatively	
	Associated Standard	EN 1990 | LST |2012-01	
4	A Accidental actions		
	Action Category	A Accidental actions	☒
	Action Type	Simultaneously	
	Associated Standard	EN 1990 | LST |2012-01	

2.3 STATIC ANALYSIS SETTINGS

Settings No.	Description	Symbol	Value	Unit
1	Geometrically linear | Newton-Raphson			
	Analysis type		Geometrically linear	
	Iterative method for nonlinear analysis		Newton-Raphson	
	Maximum number of iterations		100	
	Number of load increments		1	
	Modify standard precision and tolerance settings		☐	
	Ignore all nonlinearities		☐	
	Modify loading by multiplier factor		☐	
	Displacements due to member load of type 'Pipe internal pressure' (Bourdon effect)		☐	
	Method for equation system		Direct	
	Plate bending theory		Mindlin	
	Activate mass conversion to load		☐	
	Asymmetric direct solver		☒	
	Equilibrium for undeformed structure		☐	
	Stability check based on deformation rate		☐	

2.4 COMBINATION WIZARDS

Wizard No.	Settings	Value
1	Load combinations | SA1 - Geometrically linear | Newton-Raphson	
	Assigned to	DS 1-4
	Associated standard	EN 1990 | LST |2012-01
	Generate combinations	Load combinations (non-linear analysis)
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson
	Consider imperfection case	☐
	Consider initial state	☐
	Structure modification enabled	☐
	User-defined action combinations	☐
	Favorable permanent actions	☐
	Reduce number of generated combinations	☐
	Assigned to	DS 1-4
	Generate combinations	Load combinations (non-linear analysis)
	Static analysis settings	SA1 - Geometrically linear | Newton-Raphson
	Consider imperfection case	☐
	Consider initial state	☐
	Structure modification enabled	☐
	User-defined action combinations	☐
	Favorable permanent actions	☐
	Reduce number of generated combinations	☐

2.4.1 COMBINATION WIZARDS - INITIAL STATE ITEMS

Wizard No.	Definition Type	Case Object
1	Load combinations | SA1 - Geometrically linear | Newton-Raphson	

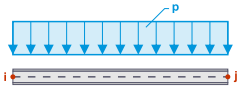
3 Loads

3.1 LC1 - Nuolatinė

3.1.1 MEMBER LOADS

LC1: Nuolatinė G

Load Type 'Force' | Load Distribution 'Uniform'



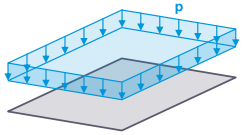
Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Parameters Value	Parameters Unit
1	199,225-227	Force	Uniform	1	Z_L	p	-2.600	kN/m
2	68,69,71-73	Force	Uniform	1	Z_L	p	-3.000	kN/m
3	87,134-137,327,336,337,375,376	Force	Uniform	1	Z_L	p	-8.500	kN/m
4	88,149,255,287,289,364-367,385	Force	Uniform	1	Z_L	p	-6.900	kN/m
5	159-162,253,274,384	Force	Uniform	1	Z_L	p	-7.300	kN/m
6	172-175,251,259,389	Force	Uniform	1	Z_L	p	-7.000	kN/m
7	185-188,236,249,374	Force	Uniform	1	Z_L	p	-7.800	kN/m
8	117	Force	Uniform	1	Z_L	p	-0.500	kN/m
9	234,235	Force	Uniform	1	Z_L	p	-6.000	kN/m
10	257,258	Force	Uniform	1	Z_L	p	-7.400	kN/m
11	272,273	Force	Uniform	1	Z_L	p	-7.200	kN/m

3.1.2

SURFACE LOADS

LC1: Nuolatinė G

Load Type 'Force' | Load Distribution 'Uniform'

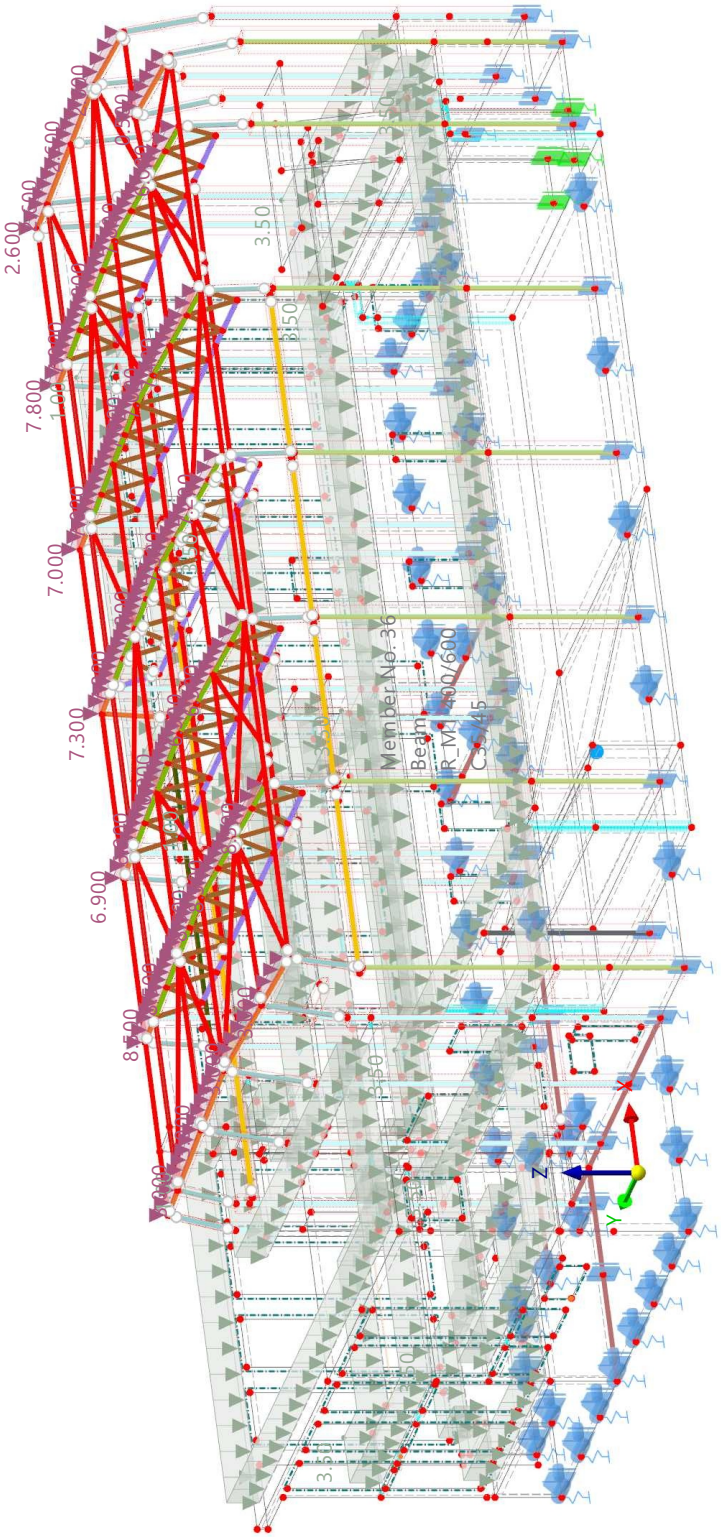


Load No.	Surfaces No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	73,74	Force	Uniform	1	Z_A	p	-1.00	kN/m²
2	56	Force	Uniform	1	Z_A	p	-3.50	kN/m²
3	43	Force	Uniform	1	Z_A	p	-3.50	kN/m²
4	1,82,83,106-108	Force	Uniform	1	Z_A	p	-3.50	kN/m²
5	57	Force	Uniform	1	Z_A	p	-1.00	kN/m²
6	44	Force	Uniform	1	Z_A	p	-3.50	kN/m²

3.1.3 LC1: , LOADING, IN AXONOMETRIC DIRECTION

Static Analysis

In Axonometric Direction



LC1 - Nuolatinė
Loads [kN/m], [kN/m^2]
Static Analysis

3.2 LC2 - Vanduo

3.2.1 SURFACE LOADS

LC2: Vanduo G

Load No.	Surfaces No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	53	Force	Uniform	1	Z_A	p	-12.00	kN/m²

3.2.2 FREE RECTANGULAR LOADS

LC2: Vanduo G

Load No.	Surfaces No.	Load Distribution	Coord. System	Load Projection	Load Direction	Parameters [kN/m²] p	p_1	p_2
1	55	Uniform	1	XY Plane	Z_A	-45.00		
2	76	Linear in Z	1	YZ Plane	z		45.00	0.00
3	66	Linear in Z	1	YZ Plane	z		-45.00	0.00
4	68	Linear in Z	1	XZ Plane	z		45.00	0.00
5	69	Linear in Z	1	XZ Plane	z		-45.00	0.00
6	55	Uniform	1	XY Plane	z	-33.00		
7	52	Linear in X	1	XY Plane	Z_A		-12.00	-45.00
8	54	Linear in Z	1	YZ Plane	z		-29.00	0.00
9	55	Linear in X	1	XY Plane	z		0.00	52.20
10	81	Linear in X	1	XY Plane	Z_A		-12.00	-14.69

3.2.3 LC2: , LOADING, IN AXONOMETRIC DIRECTION

Static Analysis

In Axonometric Direction



LC2 - Vandus
Loads [kN/m^2]
Static Analysis

3.3 LC3 - Grunas

3.3.1 FREE RECTANGULAR LOADS

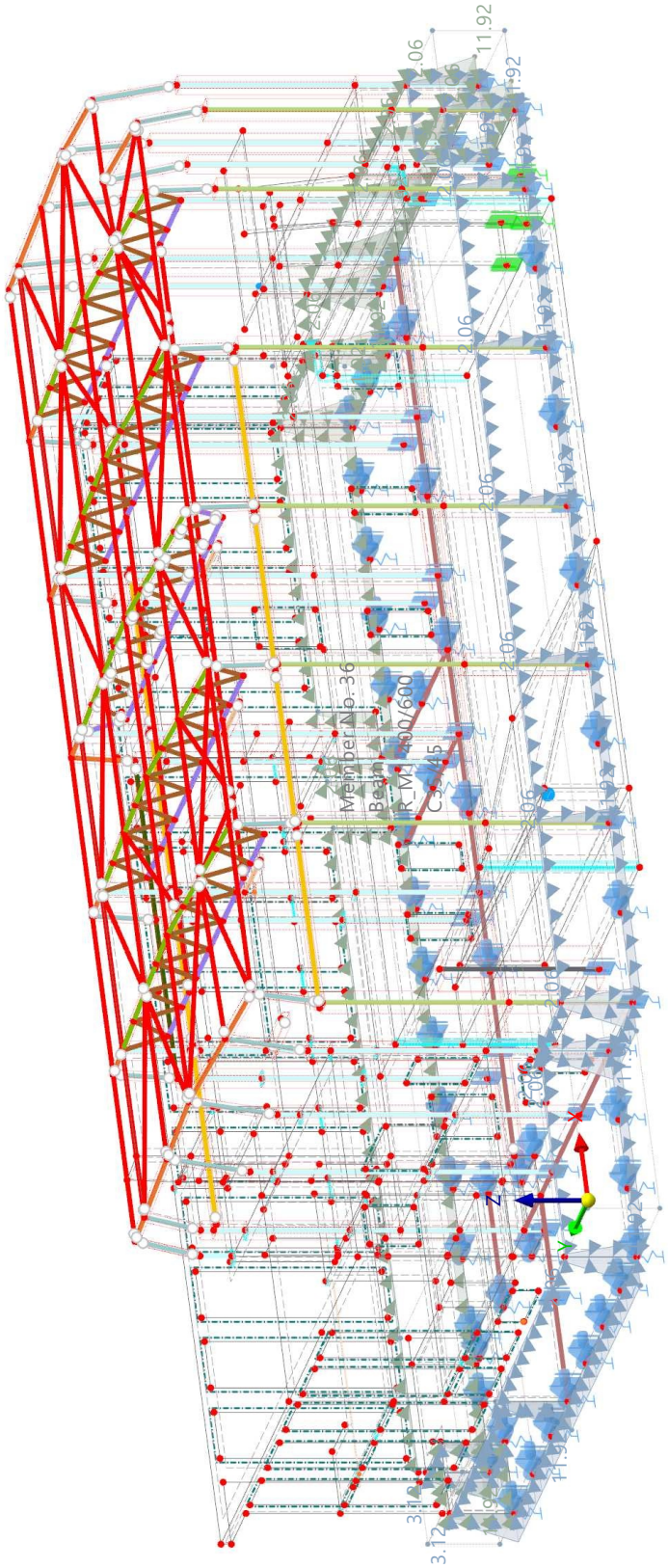
LC3: Grunas G

Load No.	Surfaces No.	Load Distribution	Coord. System	Load Projection	Load Direction	Parameters [kN/m²] p	p_1	p_2
1	51,59,61,84-88	Linear in Z	1	XZ Plane	Y_A		2.06	11.92
2	6,58,65	Linear in Z	1	XZ Plane	Y_A		-2.06	-11.92
3	7,50,109,110	Linear in Z	1	YZ Plane	X_A		2.06	11.92
4	62,63,70,89-91	Linear in Z	1	YZ Plane	X_A		-2.06	-11.92

3.3.2 LC3: , LOADING, IN AXONOMETRIC DIRECTION

Static Analysis

In Axonometric Direction



LC3 - Grunas
Loads [kN/m^2]
Static Analysis

3.4 LC4 - Naudojimo

3.4.1 MEMBER LOADS

LC4: Naudojimo QI B

Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	125-133,138-146,150-158,163-171,176-184	Force	Uniform	1	Z_L	p	-1.800	kN/m

3.4.2 SURFACE LOADS

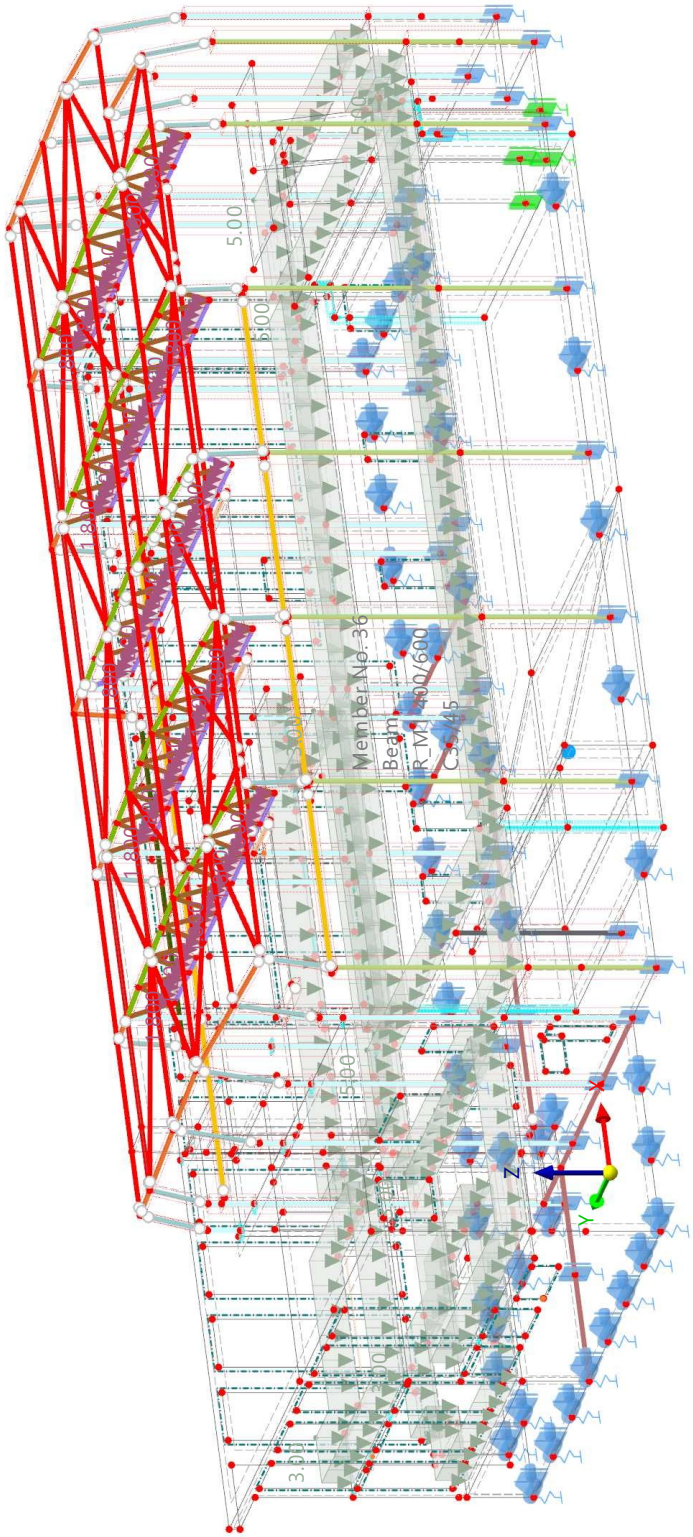
LC4: Naudojimo QI B

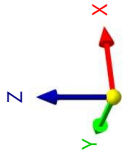
Load No.	Surfaces No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	43	Force	Uniform	1	Z_A	p	-3.00	kN/m²
2	82,83	Force	Uniform	1	Z_A	p	-3.00	kN/m²
3	44	Force	Uniform	1	Z_A	p	-3.00	kN/m²
4	1,106-108	Force	Uniform	1	Z_A	p	-5.00	kN/m²

3.4.3 LC4: , LOADING, IN AXONOMETRIC DIRECTION

Static Analysis

In Axonometric Direction





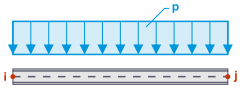
LC4 - Naudojimo
Loads [kN/m], [kN/m^2]
Static Analysis

3.5 LC5 - Sniegas

3.5.1 MEMBER LOADS

LC5: Sniegas Qs

Load Type 'Force' | Load Distribution 'Uniform'



Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	199,225-227	Force	Uniform	1	Z_L	p	-2.600	kN/m
2	68,69,71-73	Force	Uniform	1	Z_L	p	-3.000	kN/m
3	87,134-137,327,336,337,375,376	Force	Uniform	1	Z_L	p	-8.500	kN/m
4	88,149,255,287,289,364-367,385	Force	Uniform	1	Z_L	p	-6.900	kN/m
5	159-162,253,274,384	Force	Uniform	1	Z_L	p	-7.300	kN/m
6	172-175,251,259,389	Force	Uniform	1	Z_L	p	-7.000	kN/m
7	185-188,236,249,374	Force	Uniform	1	Z_L	p	-7.800	kN/m
8	117	Force	Uniform	1	Z_L	p	-0.500	kN/m
9	234,235	Force	Uniform	1	Z_L	p	-6.000	kN/m
10	257,258	Force	Uniform	1	Z_L	p	-7.400	kN/m
11	272,273	Force	Uniform	1	Z_L	p	-7.200	kN/m

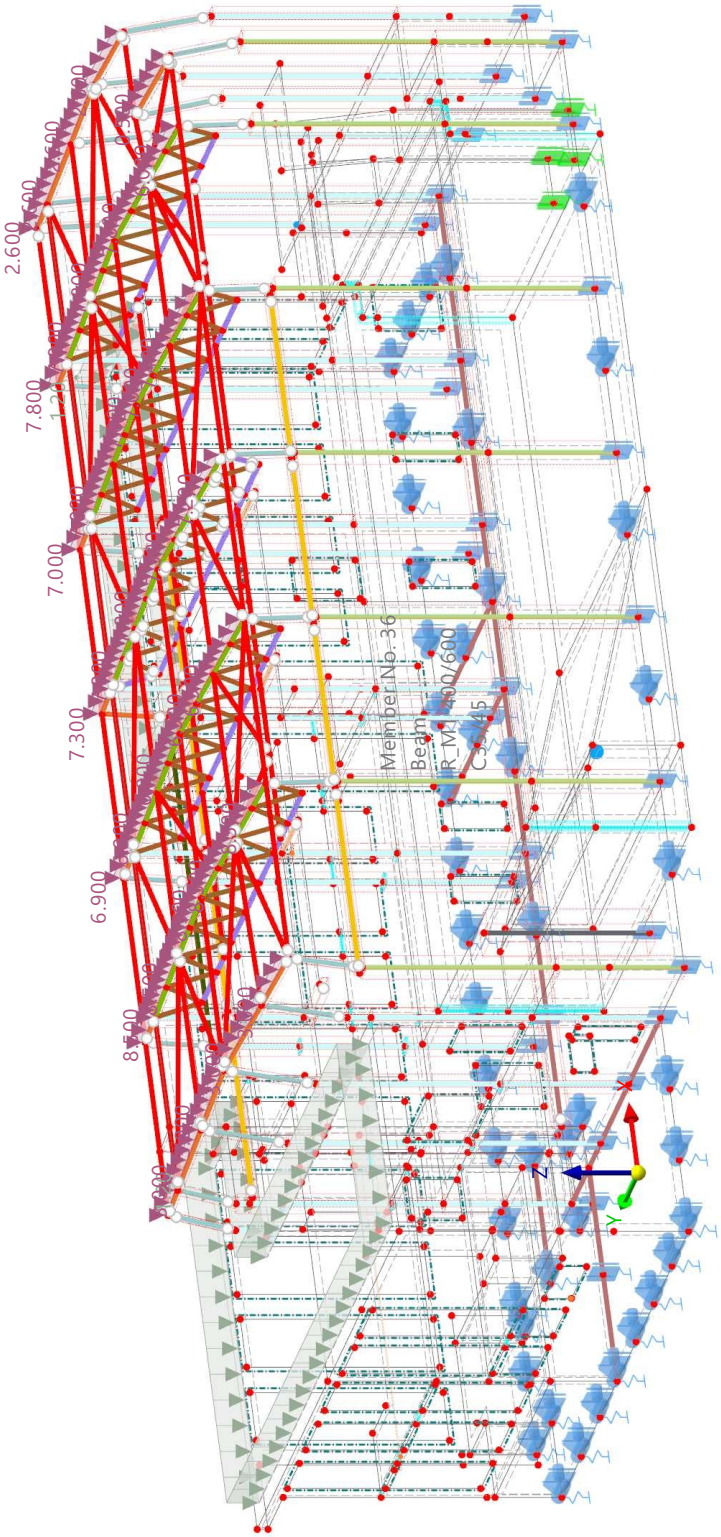
3.5.2 SURFACE LOADS

LC5: Sniegas Qs

Load No.	Surfaces No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	73,74	Force	Uniform	1	Z_A	p	-1.20	kN/m²

3.5.3 LC5: LOADING, IN AXONOMETRIC DIRECTION

In Axonometric Direction



LC5 - Sniegas
Loads [kN/m], [kN/m^2]

3.6 LC6 - Kranas

3.6.1 NODAL LOADS

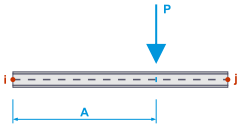
LC6: Kranas A

Load No.	On Nodes No.	Load Type	Coord. System	Direction	Load Parameters Symbol	Value	Unit
1	771	Components	1		F_X	0.000	kN
					F_Y	0.000	kN
					F_Z	-25.100	kN
					M_X	0.00	kNm
					M_Y	75.30	kNm
					M_Z	0.00	kNm

3.6.2 MEMBER LOADS

LC6: Kranas A

Load Type 'Force' | Load Distribution 'Concentrated - 1'

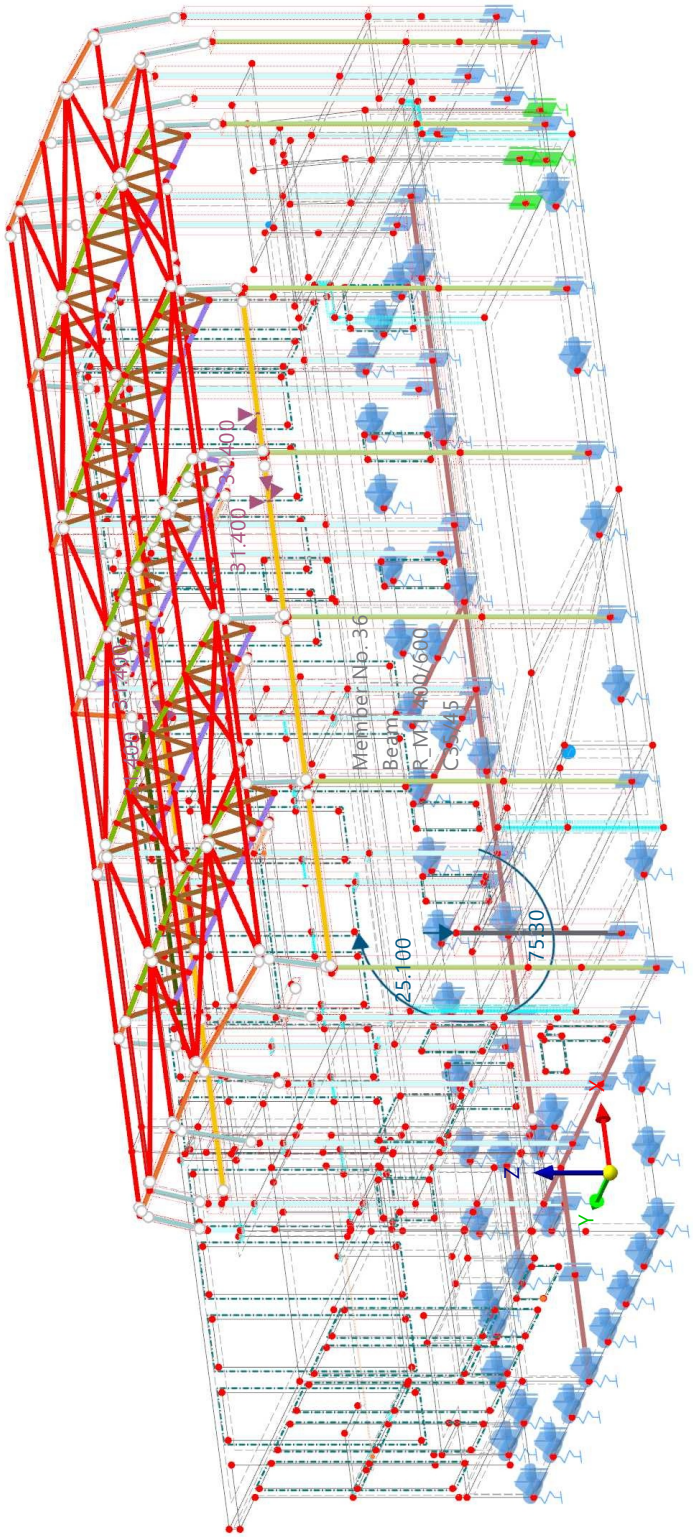


Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	40,427	Force	Concentrated - 1	1	Z_L	P	-31.400	kN
						A	1.600	m
2	37,215	Force	Concentrated - 1	1	Z_L	P	-31.400	kN
						A	4.400	m
3	427	Force	Concentrated - 1	1	Y_L	P	9.700	kN
						A	1.600	m
4	215	Force	Concentrated - 1	1	Y_L	P	-2.100	kN
						A	4.400	m
5	37	Force	Concentrated - 1	1	Y_L	P	-0.500	kN
						A	4.400	m
6	40	Force	Concentrated - 1	1	Y_L	P	2.400	kN
						A	1.600	m
7	40,427	Force	Concentrated - 1	1	X_L	P	-11.000	kN
						A	1.600	m

3.6.3 LC6: , LOADING, IN AXONOMETRIC DIRECTION

Static Analysis

In Axonometric Direction

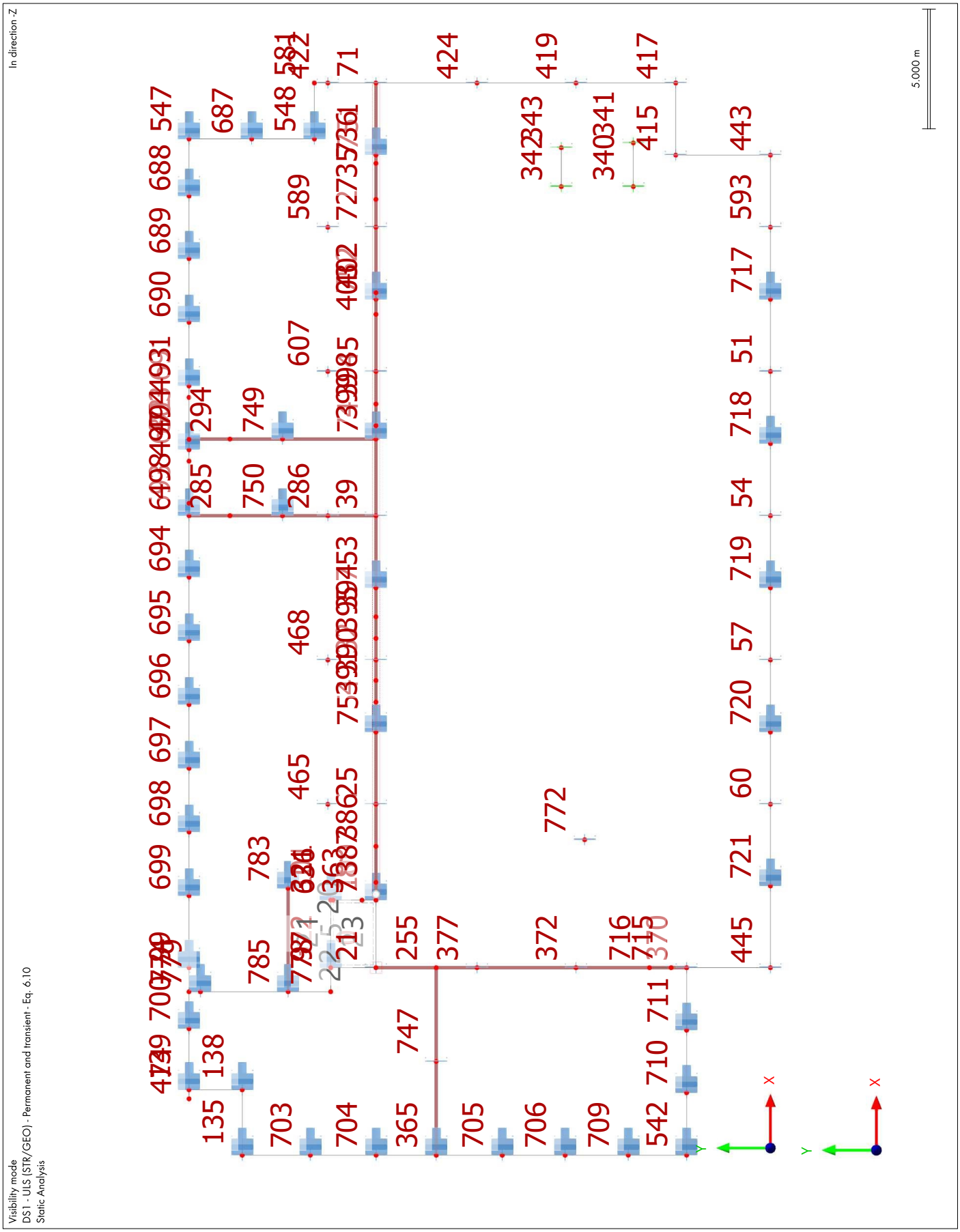


LC6 - Kranas
Loads [kN], [kNm]
Static Analysis

4 Static Analysis Results

4.1 DS1: ENVELOPE VALUES - MAX VALUES, IN DIRECTION -Z

Static Analysis



4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
20	G LC1	-103.22	-12.79	-264.57	123.47	-82.93	6.62	
25	G LC1	-254.39	-5.00	-270.13	10.98	-64.97	0.82	
32	G LC1	-46.98	-8.59	-266.51	16.40	-37.01	-0.37	
39	G LC1	-10.71	-22.53	-251.80	46.62	-68.90	-0.10	
45	G LC1	3.97	-2.36	-230.24	6.63	-78.53	0.72	
51	G LC1	-93.23	10.45	-183.07	-15.57	-61.63	0.89	
54	G LC1	-70.77	3.61	-200.06	0.51	-69.89	0.70	
57	G LC1	-12.66	1.92	-221.05	7.38	-76.61	0.19	
60	G LC1	127.70	4.63	-246.61	2.13	-73.65	-0.72	
71	G LC1	17.26	49.33	-181.93	-21.10	-31.45	-3.64	
72	G LC1	23.11	0.17	-206.61	0.04	-77.40	0.77	
74	G LC1	62.12	-3.87	-236.74	0.00	0.00	-0.05	
99	G LC1	-72.99	-5.72	-239.02	0.00	0.00	2.18	
100	G LC1	93.71	9.02	-251.40	0.00	0.00	-5.22	
101	G LC1	145.64	66.02	-231.30	0.00	0.00	-0.64	
135	G LC1	69.55	223.71	-274.82	0.00	0.00	-0.98	
138	G LC1	170.21	11.20	-252.75	0.00	0.00	0.02	
139	G LC1	19.08	117.16	-246.08	0.00	0.00	-0.09	
286	G LC1	-3.88	-7.02	-246.67	102.17	-9.85	-0.69	
322	G LC1	-20.85	230.99	-247.83	0.00	0.00	16.89	
340	G LC1	-77.79	1.24	-138.15	-5.64	4.82	0.92	
341	G LC1	50.88	6.81	-137.40	-7.23	-4.90	-1.06	
342	G LC1	-64.87	-1.34	-128.84	-0.83	5.85	0.11	
343	G LC1	46.54	2.23	-127.38	-1.83	-6.42	-0.16	
365	G LC1	-148.62	-22.87	-301.79	0.00	0.00	-0.61	
370	G LC1	-3.10	-170.58	-284.41	-21.92	-60.86	-1.13	
372	G LC1	-4.06	-23.79	-292.43	-0.52	-12.81	-0.18	
377	G LC1	-4.55	-148.76	-290.16	12.70	-15.68	0.77	
415	G LC1	-74.51	9.20	-162.38	1.15	-0.02	0.17	
417	G LC1	-40.77	-84.17	-164.11	-13.39	-4.06	1.31	
419	G LC1	-4.04	-116.05	-170.50	-10.30	-6.91	-0.18	
422	G LC1	12.28	49.38	-183.58	-9.09	8.20	-0.91	
424	G LC1	-8.38	-75.21	-176.57	-13.01	-15.08	1.23	
443	G LC1	-33.36	-18.09	-161.95	-4.84	-50.18	-2.70	
445	G LC1	82.37	-241.65	-280.77	15.35	-64.43	0.33	
465	G LC1	-8.92	-7.34	-292.84	11.44	-16.98	-0.41	
468	G LC1	-2.26	-12.37	-309.20	20.40	-7.37	-0.43	
542	G LC1	-59.19	-115.16	-311.09	0.00	0.00	0.31	
547	G LC1	38.00	56.45	-165.88	0.00	0.00	-0.05	
548	G LC1	-48.63	-50.78	-181.50	0.00	0.00	2.38	
589	G LC1	0.24	-4.11	-181.16	15.79	-0.67	-0.04	
593	G LC1	-76.55	15.81	-168.80	-25.72	-53.80	-0.24	
607	G LC1	-0.18	-4.29	-196.99	16.26	-2.04	-0.07	
687	G LC1	-7.12	29.79	-173.79	0.00	0.00	0.25	
688	G LC1	5.03	-1.23	-172.99	0.00	0.00	-0.06	
689	G LC1	6.66	-0.18	-180.84	0.00	0.00	-0.01	
690	G LC1	1.87	-0.03	-188.81	0.00	0.00	0.06	
691	G LC1	13.44	-0.76	-196.75	0.00	0.00	0.39	
692	G LC1	54.68	-1.64	-209.41	0.00	0.00	1.39	
693	G LC1	22.03	13.26	-218.56	0.00	0.00	-1.09	
694	G LC1	5.33	-2.98	-222.19	0.00	0.00	-1.46	
695	G LC1	-2.99	0.23	-225.85	0.00	0.00	-0.18	
696	G LC1	-20.32	-0.25	-229.14	0.00	0.00	-0.16	
697	G LC1	-52.06	-0.70	-232.09	0.00	0.00	-0.18	
698	G LC1	-89.13	-0.07	-234.59	0.00	0.00	-0.45	
699	G LC1	-108.45	2.21	-236.61	0.00	0.00	-0.27	
700	G LC1	43.72	-3.27	-242.03	0.00	0.00	-0.83	
703	G LC1	-6.73	195.71	-285.91	0.00	0.00	0.14	
704	G LC1	-4.17	132.13	-294.99	0.00	0.00	0.84	
705	G LC1	-1.23	-155.60	-305.39	0.00	0.00	0.52	
706	G LC1	-0.21	-132.70	-307.63	0.00	0.00	0.07	
709	G LC1	-0.19	-65.76	-309.45	0.00	0.00	0.24	
710	G LC1	23.38	0.87	-302.14	0.00	0.00	0.23	
711	G LC1	75.82	1.63	-293.17	0.00	0.00	-0.09	
717	G LC1	4.35	0.20	-175.32	0.00	0.00	-0.03	
718	G LC1	25.37	0.62	-190.72	0.00	0.00	-0.16	
719	G LC1	71.79	1.55	-209.56	0.00	0.00	-0.13	
720	G LC1	155.44	1.70	-232.78	0.00	0.00	0.04	
721	G LC1	319.90	0.00	-262.69	0.00	0.00	0.51	
747	G LC1	-209.29	-3.50	-292.55	4.49	-26.22	-0.71	
749	G LC1	0.40	47.72	-222.97	0.00	0.00	-0.19	
750	G LC1	0.38	19.19	-237.44	0.00	0.00	-0.36	
751	G LC1	45.14	0.33	-185.18	0.00	0.00	0.20	
752	G LC1	56.08	-0.03	-211.08	0.00	0.00	-0.05	
753	G LC1	-10.28	-0.78	-253.63	0.00	0.00	-0.01	
754	G LC1	-52.74	-0.85	-260.14	0.00	0.00	-0.05	
772	G LC1	13.33	-2.25	-156.98	11.69	-95.53	-0.26	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
779	LC1		14.39	84.12	-240.26	0.00	0.00	1.75	
783	LC1		55.90	-0.05	-212.86	0.00	0.00	0.19	
785	LC1		-39.36	134.50	-248.95	0.00	0.00	-9.89	
	Total max/min values with corresponding values								
721	LC1	P_x	319.90	0.00	-262.69	0.00	0.00	0.51	
25			-254.39	-5.00	-270.13	10.98	-64.97	0.82	
322		P_y	-20.85	230.99	-247.83	0.00	0.00	16.89	
445			82.37	-241.65	-280.77	15.35	-64.43	0.33	
343		P_z	46.54	2.23	-127.38	-1.83	-6.42	-0.16	
542			-59.19	-115.16	-311.09	0.00	0.00	0.31	
20		M_x	-103.22	-12.79	-264.57	123.47	-82.93	6.62	
593			-76.55	15.81	-168.80	-25.72	-53.80	-0.24	
422		M_y	12.28	49.38	-183.58	-9.09	8.20	-0.91	
772			13.33	-2.25	-156.98	11.69	-95.53	-0.26	
322		M_z	-20.85	230.99	-247.83	0.00	0.00	16.89	
785			-39.36	134.50	-248.95	0.00	0.00	-9.89	
	Sum of loads and sum of support forces								
	LC1		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			0.00	0.00	-32927.60	Loads			
Σ			23.29	-2.01	-18212.50	Support Forces			
20	LC2		128.16	61.90	0.00	-169.18	253.51	6.69	
25	LC2		526.45	27.73	0.00	-89.21	534.08	-4.90	
32	LC2		115.08	23.26	0.00	-81.54	458.96	-0.08	
39	LC2		197.83	124.84	0.00	-404.11	545.01	2.28	
45	LC2		150.75	25.87	0.00	-88.84	521.20	-0.87	
51	LC2		438.17	64.31	0.00	-196.74	512.99	1.26	
54	LC2		477.51	62.38	0.00	-198.07	507.67	-1.88	
57	LC2		514.47	87.12	0.00	-262.05	502.95	-4.89	
60	LC2		453.52	119.62	0.00	-356.20	495.11	-3.44	
71	LC2		165.15	394.88	-32.64	-315.29	432.18	-10.46	
72	LC2		159.69	20.79	0.00	-74.93	512.79	-1.07	
74	LC2		-104.67	40.73	0.00	0.00	0.00	-0.60	
99	LC2		36.52	-0.91	0.00	0.00	0.00	0.39	
100	LC2		-271.20	-53.97	0.00	0.00	0.00	19.61	
101	LC2		-146.53	-68.96	0.00	0.00	0.00	-7.12	
135	LC2		23.68	19.07	0.00	0.00	0.00	0.15	
138	LC2		19.51	11.98	0.00	0.00	0.00	-0.01	
139	LC2		22.53	21.88	0.00	0.00	0.00	0.34	
286	LC2		24.42	175.54	0.00	-603.84	78.63	1.94	
322	LC2		-198.72	-239.50	0.00	0.00	0.00	-26.65	
340	LC2		75.91	-7.25	134.92	-14.57	2.01	-0.32	
341	LC2		-41.11	-16.85	115.41	-11.83	10.83	0.57	
342	LC2		34.63	16.30	48.68	-44.54	5.07	3.85	
343	LC2		0.83	0.83	28.96	-40.23	8.79	-3.64	
365	LC2		-31.75	12.20	0.00	0.00	0.00	1.14	
370	LC2		490.44	6.25	0.00	-488.90	385.33	-7.74	
372	LC2		20.65	112.26	0.00	-466.33	72.55	1.30	
377	LC2		19.38	391.93	0.00	-463.14	84.10	1.42	
415	LC2		95.43	-25.74	0.00	-307.18	219.63	10.79	
417	LC2		148.54	229.62	0.00	-298.05	221.73	-13.83	
419	LC2		35.19	214.93	0.00	-297.03	127.69	4.61	
422	LC2		138.68	34.09	-67.81	-125.31	199.90	-4.84	
424	LC2		35.95	349.20	0.00	-305.39	146.79	-3.14	
443	LC2		256.15	199.14	0.00	-643.01	472.78	5.00	
445	LC2		402.26	283.47	0.00	-667.07	455.08	5.91	
465	LC2		20.88	25.36	0.00	-75.33	65.36	-0.13	
468	LC2		21.20	24.47	0.00	-73.66	65.85	-0.11	
542	LC2		-23.83	8.08	0.00	0.00	0.00	0.00	
547	LC2		18.42	24.35	-94.26	0.00	0.00	-0.11	
548	LC2		-147.66	33.54	-22.19	0.00	0.00	3.68	
589	LC2		3.19	3.62	0.00	-24.74	24.02	-0.93	
593	LC2		169.54	79.25	0.00	-260.29	488.93	5.10	
607	LC2		3.38	4.07	0.00	-28.04	24.65	-0.92	
687	LC2		-10.71	19.42	-57.99	0.00	0.00	0.19	
688	LC2		5.34	-4.68	-50.50	0.00	0.00	-1.24	
689	LC2		23.12	-0.54	-2.57	0.00	0.00	-0.80	
690	LC2		16.51	-0.21	0.00	0.00	0.00	-0.47	
691	LC2		63.73	1.67	0.00	0.00	0.00	-0.92	
692	LC2		47.33	4.61	0.00	0.00	0.00	-0.23	
693	LC2		15.65	-3.33	0.00	0.00	0.00	-0.14	
694	LC2		14.84	0.53	0.00	0.00	0.00	-0.24	
695	LC2		27.47	0.80	0.00	0.00	0.00	-0.05	
696	LC2		26.30	0.77	0.00	0.00	0.00	-0.06	
697	LC2		23.49	1.01	0.00	0.00	0.00	-0.08	
698	LC2		21.19	1.47	0.00	0.00	0.00	-0.01	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
699	LC2		24.20	1.11	0.00	0.00	0.00	0.26	
700	LC2		35.28	-0.14	0.00	0.00	0.00	0.16	
703	LC2		1.43	31.86	0.00	0.00	0.00	-0.02	
704	LC2		1.51	26.64	0.00	0.00	0.00	0.23	
705	LC2		0.06	-15.70	0.00	0.00	0.00	-0.10	
706	LC2		-0.25	4.28	0.00	0.00	0.00	0.13	
709	LC2		-0.55	14.94	0.00	0.00	0.00	-0.01	
710	LC2		-73.92	0.97	0.00	0.00	0.00	0.30	
711	LC2		-211.07	-6.77	0.00	0.00	0.00	-3.09	
717	LC2		-449.39	-26.32	0.00	0.00	0.00	-1.09	
718	LC2		-379.90	-22.38	0.00	0.00	0.00	0.13	
719	LC2		-340.96	-25.56	0.00	0.00	0.00	0.77	
720	LC2		-310.90	-31.37	0.00	0.00	0.00	1.08	
721	LC2		-482.78	-18.62	0.00	0.00	0.00	-3.77	
747	LC2		38.62	9.51	0.00	-28.56	371.45	1.39	
749	LC2		0.20	59.09	0.00	0.00	0.00	-0.30	
750	LC2		-0.09	-67.83	0.00	0.00	0.00	-0.52	
751	LC2		-114.67	1.83	0.00	0.00	0.00	1.46	
752	LC2		-136.42	0.72	0.00	0.00	0.00	0.07	
753	LC2		-102.08	1.60	0.00	0.00	0.00	0.66	
754	LC2		-91.74	1.12	0.00	0.00	0.00	-0.02	
772	LC2		190.94	159.19	0.00	-869.74	1054.23	1.27	
779	LC2		1.47	11.31	0.00	0.00	0.00	-2.57	
783	LC2		6.33	0.09	0.00	0.00	0.00	-0.01	
785	LC2		60.21	56.57	0.00	0.00	0.00	24.76	
	Total max/min values with corresponding values								
25	LC2	P_x	526.45	27.73	0.00	-89.21	534.08	-4.90	
721			-482.78	-18.62	0.00	0.00	0.00	-3.77	
71		P_y	165.15	394.88	-32.64	-315.29	432.18	-10.46	
322			-198.72	-239.50	0.00	0.00	0.00	-26.65	
340		P_z	75.91	-7.25	134.92	-14.57	2.01	-0.32	
547			18.42	24.35	-94.26	0.00	0.00	-0.11	
74		M_x	-104.67	40.73	0.00	0.00	0.00	-0.60	
772			190.94	159.19	0.00	-869.74	1054.23	1.27	
772		M_y	190.94	159.19	0.00	-869.74	1054.23	1.27	
74			-104.67	40.73	0.00	0.00	0.00	-0.60	
785		M_z	60.21	56.57	0.00	0.00	0.00	24.76	
322			-198.72	-239.50	0.00	0.00	0.00	-26.65	
	Sum of loads and sum of support forces								
	LC2		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3124.82	4160.77	-11654.00	Loads			
Σ			2418.44	3109.31	0.00	Support Forces			
20	LC3		0.61	0.40	0.00	4.80	4.74	0.70	
25	LC3		5.86	-1.01	0.00	3.03	6.62	0.04	
32	LC3		-0.66	-1.13	0.00	3.45	6.43	-0.04	
39	LC3		-2.97	-4.97	0.00	16.73	6.75	-0.02	
45	LC3		-2.67	-0.12	0.00	1.95	4.47	0.24	
51	LC3		9.09	62.98	-0.54	-52.37	1.43	-0.58	
54	LC3		3.60	65.74	-0.06	-57.46	3.37	0.18	
57	LC3		-3.50	60.90	0.00	-46.44	4.96	0.88	
60	LC3		0.51	56.89	0.00	-29.84	6.01	-0.56	
71	LC3		-37.87	-7.57	0.00	4.56	-9.82	-6.52	
72	LC3		-3.35	0.13	0.00	0.43	4.53	0.15	
74	LC3		-5.43	0.46	0.00	0.00	0.00	0.06	
99	LC3		4.03	-23.45	0.00	0.00	0.00	-4.57	
100	LC3		-4.23	-0.40	0.00	0.00	0.00	0.29	
101	LC3		0.61	-1.70	0.00	0.00	0.00	0.08	
135	LC3		23.97	-1.47	0.00	0.00	0.00	0.70	
138	LC3		14.65	-22.47	0.00	0.00	0.00	0.30	
139	LC3		11.25	-9.09	0.00	0.00	0.00	-1.91	
286	LC3		-0.03	-7.51	0.00	24.50	0.47	0.00	
322	LC3		1.94	8.05	0.00	0.00	0.00	0.46	
340	LC3		0.28	-0.05	0.46	0.47	0.00	-0.06	
341	LC3		-0.13	-0.30	0.42	0.54	0.03	0.06	
342	LC3		0.45	0.09	0.66	0.30	0.00	-0.03	
343	LC3		-0.08	-0.19	0.56	0.38	0.06	0.03	
365	LC3		28.23	2.06	0.00	0.00	0.00	1.08	
370	LC3		20.73	21.32	0.00	9.30	7.42	0.66	
372	LC3		0.25	-4.10	0.00	12.86	0.90	0.03	
377	LC3		0.46	-14.79	0.00	13.36	1.27	-0.09	
415	LC3		-27.71	19.28	0.00	-1.07	-4.47	-3.97	
417	LC3		-27.82	10.79	0.00	1.40	-4.71	4.99	
419	LC3		-61.57	7.14	0.00	2.92	-26.28	0.32	
422	LC3		-18.11	-1.30	0.00	2.03	-10.47	3.50	
424	LC3		-62.00	0.83	0.00	3.64	-26.23	-0.03	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
443	G LC3		-16.12	21.40	-0.19	-0.86	-3.66	3.72	
445	G LC3		25.13	19.18	0.00	11.83	9.17	2.18	
465	G LC3		0.19	-0.88	0.00	2.55	0.73	-0.01	
468	G LC3		0.12	-1.01	0.00	2.89	0.60	-0.04	
542	G LC3		6.82	5.35	0.00	0.00	0.00	0.23	
547	G LC3		-2.13	-1.63	0.00	0.00	0.00	-0.10	
548	G LC3		-24.85	-19.20	0.00	0.00	0.00	1.64	
589	G LC3		-0.23	-0.36	0.00	2.62	-0.89	-0.21	
593	G LC3		2.26	49.98	-0.34	-30.20	-0.67	-4.35	
607	G LC3		-0.21	-0.28	0.00	1.93	-0.83	-0.22	
687	G LC3		-27.45	-25.75	0.00	0.00	0.00	-2.68	
688	G LC3		-9.79	-25.32	0.00	0.00	0.00	4.84	
689	G LC3		-8.34	-40.96	0.00	0.00	0.00	1.27	
690	G LC3		-7.65	-41.74	0.00	0.00	0.00	-0.14	
691	G LC3		-2.80	-30.63	0.00	0.00	0.00	-3.48	
692	G LC3		4.18	-15.17	0.00	0.00	0.00	-1.17	
693	G LC3		3.09	-30.08	0.00	0.00	0.00	1.47	
694	G LC3		1.62	-33.10	0.00	0.00	0.00	0.70	
695	G LC3		2.66	-34.57	0.00	0.00	0.00	-0.02	
696	G LC3		2.28	-34.37	0.00	0.00	0.00	-0.14	
697	G LC3		1.98	-33.98	0.00	0.00	0.00	-0.04	
698	G LC3		2.35	-31.65	0.00	0.00	0.00	-0.06	
699	G LC3		4.03	-36.21	0.00	0.00	0.00	2.24	
700	G LC3		6.33	-26.50	0.00	0.00	0.00	3.49	
703	G LC3		26.92	0.54	0.00	0.00	0.00	0.25	
704	G LC3		24.27	4.27	0.00	0.00	0.00	-1.07	
705	G LC3		32.63	-0.46	0.00	0.00	0.00	0.86	
706	G LC3		34.71	2.04	0.00	0.00	0.00	-0.07	
709	G LC3		26.85	8.12	0.00	0.00	0.00	-2.36	
710	G LC3		11.68	28.66	0.00	0.00	0.00	1.57	
711	G LC3		7.87	29.52	0.00	0.00	0.00	-1.34	
717	G LC3		8.58	32.41	-0.50	0.00	0.00	0.37	
718	G LC3		1.97	31.07	-0.41	0.00	0.00	0.02	
719	G LC3		-6.17	31.33	0.00	0.00	0.00	-0.11	
720	G LC3		-14.19	32.12	0.00	0.00	0.00	-0.16	
721	G LC3		6.77	38.67	0.00	0.00	0.00	0.17	
747	G LC3		11.52	-0.53	0.00	1.07	5.45	-0.08	
749	G LC3		-0.21	-7.21	0.00	0.00	0.00	0.26	
750	G LC3		-0.01	0.93	0.00	0.00	0.00	-0.01	
751	G LC3		-10.36	0.07	0.00	0.00	0.00	0.01	
752	G LC3		-6.14	0.04	0.00	0.00	0.00	-0.02	
753	G LC3		-4.33	-0.10	0.00	0.00	0.00	-0.03	
754	G LC3		-3.45	-0.06	0.00	0.00	0.00	0.00	
772	G LC3		2.30	-4.24	0.00	23.16	12.70	0.01	
779	G LC3		1.85	-26.13	0.00	0.00	0.00	-0.20	
783	G LC3		3.66	0.01	0.00	0.00	0.00	-0.01	
785	G LC3		4.16	-11.69	0.00	0.00	0.00	0.59	
	Total max/min values with corresponding values								
706	G LC3	P_x	34.71	2.04	0.00	0.00	0.00	-0.07	
424			-62.00	0.83	0.00	3.64	-26.23	-0.03	
54		P_y	3.60	65.74	-0.06	-57.46	3.37	0.18	
690			-7.65	-41.74	0.00	0.00	0.00	-0.14	
342		P_z	0.45	0.09	0.66	0.30	0.00	-0.03	
51			9.09	62.98	-0.54	-52.37	1.43	-0.58	
286		M_x	-0.03	-7.51	0.00	24.50	0.47	0.00	
54			3.60	65.74	-0.06	-57.46	3.37	0.18	
772		M_y	2.30	-4.24	0.00	23.16	12.70	0.01	
419			-61.57	7.14	0.00	2.92	-26.28	0.32	
417		M_z	-27.82	10.79	0.00	1.40	-4.71	4.99	
71			-37.87	-7.57	0.00	4.56	-9.82	-6.52	
	Sum of loads and sum of support forces								
	G LC3		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			-7.27	37.31	0.00	Loads			
Σ			-7.30	37.32	0.07	Support Forces			
20	QI B LC4		-9.79	-0.18	-29.98	14.80	-11.50	0.27	
25	QI B LC4		-28.24	-0.43	-28.99	1.23	-11.35	0.10	
32	QI B LC4		-1.67	-0.50	-26.90	1.43	-10.11	-0.06	
39	QI B LC4		8.66	-3.57	-23.12	8.00	-14.49	-0.03	
45	QI B LC4		-1.10	0.24	-19.71	0.65	-9.83	0.10	
51	QI B LC4		-14.71	1.18	-16.45	-0.48	-9.32	0.11	
54	QI B LC4		-12.58	-0.33	-18.98	1.83	-10.60	0.03	
57	QI B LC4		-4.81	0.72	-22.06	0.88	-11.60	-0.01	
60	QI B LC4		19.09	0.84	-25.81	0.49	-10.89	-0.06	
71	QI B LC4		5.43	19.82	-12.73	-0.40	-3.93	-1.23	
72	QI B LC4		3.41	-0.38	-16.53	0.94	-10.94	0.10	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
74	QI3 LC4		11.61	9.74	-20.48	0.00	0.00	-0.03	
99	QI3 LC4		5.78	0.55	-22.27	0.00	0.00	-0.22	
100	QI3 LC4		15.15	0.19	-28.10	0.00	0.00	-0.83	
101	QI3 LC4		22.76	7.07	-25.72	0.00	0.00	0.40	
135	QI3 LC4		10.38	28.60	-28.81	0.00	0.00	-0.03	
138	QI3 LC4		22.26	11.21	-26.60	0.00	0.00	-0.01	
139	QI3 LC4		11.86	35.92	-24.46	0.00	0.00	0.02	
286	QI3 LC4		-0.52	-3.10	-22.34	14.65	-1.40	-0.12	
322	QI3 LC4		7.54	25.04	-28.02	0.00	0.00	2.40	
340	QI3 LC4		-9.93	-0.52	-11.81	0.73	0.28	-0.11	
341	QI3 LC4		0.97	-0.30	-11.50	0.67	-0.55	0.10	
342	QI3 LC4		-11.60	-0.79	-13.53	1.37	0.43	-0.18	
343	QI3 LC4		-0.05	-0.87	-13.00	1.39	-0.84	0.18	
365	QI3 LC4		-37.80	-23.48	-33.17	0.00	0.00	-0.21	
370	QI3 LC4		-13.61	-35.53	-31.18	-6.85	-9.61	-0.15	
372	QI3 LC4		-0.59	-15.31	-34.13	-1.54	-1.88	-0.02	
377	QI3 LC4		-0.72	-19.12	-33.73	5.66	-2.10	0.29	
415	QI3 LC4		-8.62	-4.16	-12.86	2.50	-0.96	-0.07	
417	QI3 LC4		-6.51	-14.27	-12.91	1.59	-1.28	0.20	
419	QI3 LC4		-0.16	-18.11	-13.00	1.73	-0.71	-0.07	
422	QI3 LC4		3.22	20.77	-12.43	-0.03	5.29	0.09	
424	QI3 LC4		-1.25	-3.71	-13.00	0.82	-1.93	0.44	
443	QI3 LC4		-6.66	-7.80	-13.29	4.18	-7.47	-0.36	
445	QI3 LC4		9.94	-36.19	-30.84	4.33	-10.10	0.01	
465	QI3 LC4		-1.66	-2.54	-34.72	3.87	-3.05	-0.07	
468	QI3 LC4		-0.19	-3.56	-37.15	5.59	-0.96	-0.06	
542	QI3 LC4		-12.84	-11.62	-34.54	0.00	0.00	0.03	
547	QI3 LC4		-4.36	5.03	-4.10	0.00	0.00	0.00	
548	QI3 LC4		-14.99	0.22	-10.65	0.00	0.00	0.69	
589	QI3 LC4		-0.34	-0.50	-4.47	2.41	-1.50	-0.08	
593	QI3 LC4		-11.12	1.85	-14.31	-1.78	-8.04	-0.07	
607	QI3 LC4		0.27	-0.47	-9.02	2.13	0.47	-0.09	
687	QI3 LC4		-2.32	8.51	-7.37	0.00	0.00	0.03	
688	QI3 LC4		-6.98	-0.52	-5.28	0.00	0.00	-0.09	
689	QI3 LC4		-1.26	-0.08	-6.62	0.00	0.00	-0.07	
690	QI3 LC4		4.37	-0.03	-8.09	0.00	0.00	-0.03	
691	QI3 LC4		13.42	0.10	-9.64	0.00	0.00	-0.06	
692	QI3 LC4		26.90	0.53	-13.52	0.00	0.00	0.36	
693	QI3 LC4		5.42	3.82	-16.57	0.00	0.00	-0.18	
694	QI3 LC4		4.19	-0.63	-17.43	0.00	0.00	-0.30	
695	QI3 LC4		3.20	0.00	-18.31	0.00	0.00	-0.01	
696	QI3 LC4		-2.39	-0.16	-19.13	0.00	0.00	-0.01	
697	QI3 LC4		-9.08	-0.31	-19.88	0.00	0.00	-0.01	
698	QI3 LC4		-14.41	-0.21	-20.58	0.00	0.00	-0.07	
699	QI3 LC4		-10.48	0.11	-21.28	0.00	0.00	0.01	
700	QI3 LC4		10.97	0.04	-23.24	0.00	0.00	0.20	
703	QI3 LC4		-0.39	27.62	-30.63	0.00	0.00	-0.11	
704	QI3 LC4		-0.74	10.81	-32.11	0.00	0.00	-0.04	
705	QI3 LC4		-0.55	-46.99	-33.60	0.00	0.00	0.20	
706	QI3 LC4		-0.02	-34.91	-33.85	0.00	0.00	0.03	
709	QI3 LC4		-0.12	-13.97	-34.16	0.00	0.00	0.02	
710	QI3 LC4		-13.14	0.09	-33.39	0.00	0.00	0.04	
711	QI3 LC4		-7.87	0.24	-32.27	0.00	0.00	0.00	
717	QI3 LC4		0.49	0.30	-15.31	0.00	0.00	0.00	
718	QI3 LC4		2.83	0.26	-17.62	0.00	0.00	0.00	
719	QI3 LC4		8.58	0.33	-20.40	0.00	0.00	-0.02	
720	QI3 LC4		20.83	0.38	-23.80	0.00	0.00	0.01	
721	QI3 LC4		47.17	0.01	-28.23	0.00	0.00	0.09	
747	QI3 LC4		-54.96	-0.99	-33.12	1.17	-0.18	-0.22	
749	QI3 LC4		0.18	19.03	-17.04	0.00	0.00	-0.13	
750	QI3 LC4		0.16	3.32	-21.16	0.00	0.00	-0.13	
751	QI3 LC4		10.88	0.05	-13.74	0.00	0.00	0.04	
752	QI3 LC4		7.52	0.02	-17.48	0.00	0.00	-0.02	
753	QI3 LC4		7.90	-0.05	-24.41	0.00	0.00	-0.02	
754	QI3 LC4		-0.79	-0.03	-27.27	0.00	0.00	0.00	
772	QI3 LC4		16.61	-1.07	-15.63	4.33	10.93	-0.01	
779	QI3 LC4		5.77	42.21	-23.29	0.00	0.00	0.76	
783	QI3 LC4		4.08	-0.06	-23.75	0.00	0.00	0.09	
785	QI3 LC4		-5.37	33.22	-27.15	0.00	0.00	-1.78	
	Total max/min values with corresponding values								
721	QI3 LC4	P_x	47.17	0.01	-28.23	0.00	0.00	0.09	
747			-54.96	-0.99	-33.12	1.17	-0.18	-0.22	
779		P_y	5.77	42.21	-23.29	0.00	0.00	0.76	
705			-0.55	-46.99	-33.60	0.00	0.00	0.20	
547		P_z	-4.36	5.03	-4.10	0.00	0.00	0.00	
468			-0.19	-3.56	-37.15	5.59	-0.96	-0.06	
20		M_x	-9.79	-0.18	-29.98	14.80	-11.50	0.27	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
370		M_x	-13.61	-35.53	-31.18	-6.85	-9.61	-0.15	
772		M_y	16.61	-1.07	-15.63	4.33	10.93	-0.01	
39			8.66	-3.57	-23.12	8.00	-14.49	-0.03	
322		M_z	7.54	25.04	-28.02	0.00	0.00	2.40	
785			-5.37	33.22	-27.15	0.00	0.00	-1.78	
	Sum of loads and sum of support forces								
	QIB LC4		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			0.00	0.00	-2398.51	Loads			
Σ			12.47	12.61	-1693.77	Support Forces			
20	Qs LC5		-11.00	-4.76	-12.80	13.35	-1.16	1.63	
25	Qs LC5		-14.40	-0.47	-16.14	1.88	1.98	0.16	
32	Qs LC5		-2.65	-0.38	-17.49	1.78	2.05	-0.04	
39	Qs LC5		0.83	1.07	-17.26	15.21	-0.17	-0.07	
45	Qs LC5		1.88	-0.31	-17.41	1.96	-1.69	0.09	
51	Qs LC5		24.47	5.08	-17.90	-1.55	-0.14	0.14	
54	Qs LC5		7.43	-0.81	-18.77	5.52	-1.17	0.07	
57	Qs LC5		-8.39	4.15	-19.22	0.65	-2.00	-0.05	
60	Qs LC5		-25.22	5.76	-19.33	-1.21	-2.95	-0.06	
71	Qs LC5		8.64	-14.80	-12.08	5.25	-1.53	-0.29	
72	Qs LC5		8.73	-2.40	-15.66	4.38	-5.20	0.07	
74	Qs LC5		1.10	2.05	-16.93	0.00	0.00	0.03	
99	Qs LC5		5.31	-0.35	-6.62	0.00	0.00	0.08	
100	Qs LC5		-4.19	1.03	-12.79	0.00	0.00	0.15	
101	Qs LC5		1.77	4.34	-10.79	0.00	0.00	-0.50	
135	Qs LC5		4.28	6.96	-7.65	0.00	0.00	0.01	
138	Qs LC5		6.13	-0.10	-7.74	0.00	0.00	0.00	
139	Qs LC5		-0.04	1.01	-6.45	0.00	0.00	-0.01	
286	Qs LC5		0.16	4.76	-15.47	25.43	0.32	-0.04	
322	Qs LC5		-5.41	26.26	-11.01	0.00	0.00	1.34	
340	Qs LC5		-6.23	0.64	-5.26	-0.93	0.24	0.21	
341	Qs LC5		-1.22	1.74	-5.46	-1.25	-0.14	-0.24	
342	Qs LC5		-2.46	-0.36	-2.09	0.67	0.17	-0.04	
343	Qs LC5		-0.58	0.33	-2.22	0.48	-0.04	0.04	
365	Qs LC5		-11.14	-6.35	-12.04	0.00	0.00	-0.07	
370	Qs LC5		-5.68	1.73	-17.19	7.51	-0.26	0.20	
372	Qs LC5		-0.21	-9.70	-16.04	8.18	-0.23	0.00	
377	Qs LC5		-0.28	-24.89	-14.50	9.58	-0.02	0.16	
415	Qs LC5		-2.48	20.02	-13.59	4.81	4.59	0.10	
417	Qs LC5		-2.32	-10.39	-14.68	4.41	4.20	0.36	
419	Qs LC5		-1.36	-19.06	-13.70	5.45	0.10	0.14	
422	Qs LC5		1.84	2.67	-11.55	1.88	1.68	-0.10	
424	Qs LC5		-2.25	-30.33	-12.87	6.18	-1.45	-0.02	
443	Qs LC5		26.33	20.49	-15.99	10.90	0.11	-0.98	
445	Qs LC5		-18.36	-3.45	-18.99	13.61	-1.88	-0.28	
465	Qs LC5		-0.07	0.00	-12.84	0.87	-0.03	-0.04	
468	Qs LC5		-0.03	-0.06	-13.70	1.09	0.03	-0.04	
542	Qs LC5		-7.43	-4.35	-16.67	0.00	0.00	0.01	
547	Qs LC5		3.74	2.68	-7.88	0.00	0.00	-0.01	
548	Qs LC5		-4.24	-2.53	-10.88	0.00	0.00	0.21	
589	Qs LC5		0.41	-0.28	-19.60	1.40	1.47	0.03	
593	Qs LC5		37.13	5.08	-16.73	-1.76	0.60	-0.21	
607	Qs LC5		-0.25	-0.34	-18.68	1.67	-0.65	0.03	
687	Qs LC5		-0.61	2.86	-9.38	0.00	0.00	-0.02	
688	Qs LC5		4.10	-0.02	-8.13	0.00	0.00	0.03	
689	Qs LC5		2.62	0.00	-8.40	0.00	0.00	0.02	
690	Qs LC5		0.60	0.00	-8.65	0.00	0.00	0.03	
691	Qs LC5		3.98	-0.19	-8.88	0.00	0.00	0.09	
692	Qs LC5		-5.19	0.23	-9.17	0.00	0.00	0.38	
693	Qs LC5		-9.79	4.13	-8.35	0.00	0.00	-0.24	
694	Qs LC5		-10.90	-0.42	-7.90	0.00	0.00	-0.24	
695	Qs LC5		-5.86	0.12	-7.49	0.00	0.00	-0.01	
696	Qs LC5		0.81	0.02	-7.17	0.00	0.00	-0.01	
697	Qs LC5		6.39	-0.04	-6.96	0.00	0.00	0.00	
698	Qs LC5		8.52	-0.06	-6.82	0.00	0.00	-0.02	
699	Qs LC5		7.24	0.02	-6.72	0.00	0.00	-0.01	
700	Qs LC5		3.19	-0.18	-6.54	0.00	0.00	-0.05	
703	Qs LC5		0.12	5.55	-9.24	0.00	0.00	-0.06	
704	Qs LC5		-0.12	4.65	-10.72	0.00	0.00	-0.03	
705	Qs LC5		-0.15	-17.41	-13.24	0.00	0.00	0.05	
706	Qs LC5		-0.02	-13.47	-14.36	0.00	0.00	0.01	
709	Qs LC5		-0.03	-4.74	-15.53	0.00	0.00	0.00	
710	Qs LC5		-9.80	-0.01	-16.80	0.00	0.00	-0.01	
711	Qs LC5		-10.96	0.21	-16.97	0.00	0.00	0.07	
717	Qs LC5		27.92	1.39	-17.30	0.00	0.00	0.01	
718	Qs LC5		16.35	1.09	-18.32	0.00	0.00	0.06	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
719	Qs LC5		0.94	1.16	-18.98	0.00	0.00	-0.08	
720	Qs LC5		-10.03	1.52	-19.26	0.00	0.00	-0.01	
721	Qs LC5		-25.04	0.83	-19.13	0.00	0.00	0.23	
747	Qs LC5		-19.16	-0.45	-12.75	0.80	4.01	-0.12	
749	Qs LC5		-0.01	9.61	-13.72	0.00	0.00	0.00	
750	Qs LC5		0.00	11.53	-13.60	0.00	0.00	0.01	
751	Qs LC5		13.30	-0.14	-12.82	0.00	0.00	0.01	
752	Qs LC5		8.50	-0.09	-15.95	0.00	0.00	-0.04	
753	Qs LC5		-0.34	-0.03	-16.99	0.00	0.00	-0.03	
754	Qs LC5		-6.45	-0.01	-16.18	0.00	0.00	0.00	
772	Qs LC5		2.67	-3.63	0.00	18.41	5.40	0.01	
779	Qs LC5		0.74	5.55	-6.90	0.00	0.00	-0.20	
783	Qs LC5		5.16	0.02	-8.60	0.00	0.00	0.01	
785	Qs LC5		3.06	12.33	-9.55	0.00	0.00	-0.01	
	Total max/min values with corresponding values								
593	Qs LC5	P_x	37.13	5.08	-16.73	-1.76	0.60	-0.21	
60			-25.22	5.76	-19.33	-1.21	-2.95	-0.06	
322		P_y	-5.41	26.26	-11.01	0.00	0.00	1.34	
424			-2.25	-30.33	-12.87	6.18	-1.45	-0.02	
772		P_z	2.67	-3.63	0.00	18.41	5.40	0.01	
589			0.41	-0.28	-19.60	1.40	1.47	0.03	
286		M_x	0.16	4.76	-15.47	25.43	0.32	-0.04	
593			37.13	5.08	-16.73	-1.76	0.60	-0.21	
772		M_y	2.67	-3.63	0.00	18.41	5.40	0.01	
72			8.73	-2.40	-15.66	4.38	-5.20	0.07	
20		M_z	-11.00	-4.76	-12.80	13.35	-1.16	1.63	
443			26.33	20.49	-15.99	10.90	0.11	-0.98	

	Sum of loads and sum of support forces					
	Qs LC5	P_X [kN]	P_Y [kN]	P_Z [kN]		
Σ		0.00	0.00	-1103.36	Loads	
Σ		4.03	3.31	-1000.16	Support Forces	

20	A LC6		-1.76	-0.62	-1.00	1.59	0.18	0.25	
25	A LC6		-4.82	-0.01	-1.76	0.17	1.16	0.00	
32	A LC6		-2.67	-0.03	-2.67	0.25	1.96	-0.01	
39	A LC6		0.87	0.43	-3.02	3.10	-0.30	-0.02	
45	A LC6		2.39	-0.20	-2.48	0.61	-1.03	0.01	
51	A LC6		21.60	2.67	-3.71	-7.62	0.47	-0.36	
54	A LC6		3.37	0.55	-4.22	-7.97	0.16	-0.01	
57	A LC6		-19.14	-2.31	-3.84	-3.09	-0.30	0.35	
60	A LC6		-15.10	0.03	-3.02	-0.83	0.61	0.39	
71	A LC6		1.50	-2.81	-1.04	1.63	-0.51	0.00	
72	A LC6		2.60	0.10	-1.77	0.12	-1.21	0.02	
74	A LC6		3.38	1.40	-2.73	0.00	0.00	-0.01	
99	A LC6		0.41	-0.01	-0.06	0.00	0.00	0.01	
100	A LC6		-1.37	-0.06	-1.06	0.00	0.00	0.07	
101	A LC6		-0.31	0.52	-0.81	0.00	0.00	-0.08	
135	A LC6		-0.36	-0.36	0.00	0.00	0.00	0.01	
138	A LC6		-0.34	-0.16	-0.03	0.00	0.00	0.00	
139	A LC6		-0.13	-0.46	0.00	0.00	0.00	0.00	
286	A LC6		0.05	1.48	-2.64	5.30	0.11	-0.02	
322	A LC6		-0.57	3.28	-0.79	0.00	0.00	0.15	
340	A LC6		-0.90	0.05	-0.60	0.01	0.03	0.02	
341	A LC6		-0.31	0.23	-0.65	-0.04	-0.01	-0.02	
342	A LC6		-0.26	-0.11	-0.12	0.24	0.02	-0.02	
343	A LC6		-0.14	0.03	-0.15	0.20	0.01	0.02	
365	A LC6		-1.58	-1.18	-0.56	0.00	0.00	-0.01	
370	A LC6		-0.22	4.16	-1.92	1.57	0.84	0.08	
372	A LC6		0.03	0.23	-1.48	1.69	0.13	0.01	
377	A LC6		-0.02	-2.33	-1.16	1.81	0.12	0.05	
415	A LC6		0.74	3.66	-1.92	1.60	1.03	0.01	
417	A LC6		0.75	-0.93	-2.13	1.37	0.99	0.08	
419	A LC6		0.07	-1.43	-1.74	1.52	0.34	0.00	
422	A LC6		0.11	0.44	-0.86	0.58	0.07	-0.01	
424	A LC6		0.01	-4.16	-1.38	1.71	0.11	0.01	
443	A LC6		4.82	3.92	-2.58	3.45	-1.21	-0.18	
445	A LC6		-1.68	2.68	-2.26	1.81	1.58	-0.06	
465	A LC6		-0.02	0.05	-1.08	0.05	0.00	-0.01	
468	A LC6		-0.04	0.03	-1.83	0.14	-0.04	-0.02	
542	A LC6		-0.72	-0.18	-1.46	0.00	0.00	0.00	
547	A LC6		0.14	-0.03	-0.28	0.00	0.00	0.00	
548	A LC6		-0.24	-0.28	-0.80	0.00	0.00	0.01	
589	A LC6		0.01	-0.06	-0.43	0.31	0.08	0.01	
593	A LC6		13.73	0.27	-2.94	-0.60	-0.63	-0.33	
607	A LC6		0.08	-0.07	-1.19	0.35	0.29	0.01	
687	A LC6		-0.02	-0.08	-0.54	0.00	0.00	0.01	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
688	A LC6		0.12	0.00	-0.37	0.00	0.00	0.01	
689	A LC6		0.37	0.00	-0.46	0.00	0.00	0.01	
690	A LC6		0.61	0.00	-0.56	0.00	0.00	0.01	
691	A LC6		2.36	-0.03	-0.66	0.00	0.00	0.02	
692	A LC6		1.47	0.09	-0.95	0.00	0.00	0.11	
693	A LC6		-1.21	1.13	-0.97	0.00	0.00	-0.07	
694	A LC6		-1.65	-0.10	-0.83	0.00	0.00	-0.07	
695	A LC6		-1.02	0.05	-0.69	0.00	0.00	-0.01	
696	A LC6		-0.33	0.03	-0.55	0.00	0.00	-0.01	
697	A LC6		0.20	0.04	-0.42	0.00	0.00	-0.01	
698	A LC6		0.45	0.06	-0.30	0.00	0.00	-0.01	
699	A LC6		0.43	0.05	-0.19	0.00	0.00	0.01	
700	A LC6		-0.06	-0.01	0.00	0.00	0.00	0.00	
703	A LC6		0.08	-0.62	-0.13	0.00	0.00	-0.01	
704	A LC6		-0.01	-0.46	-0.35	0.00	0.00	-0.01	
705	A LC6		-0.03	-1.77	-0.79	0.00	0.00	0.01	
706	A LC6		-0.01	-1.08	-1.01	0.00	0.00	0.00	
709	A LC6		0.00	-0.04	-1.24	0.00	0.00	0.01	
710	A LC6		-1.11	0.00	-1.61	0.00	0.00	0.00	
711	A LC6		-2.02	0.01	-1.76	0.00	0.00	0.01	
717	A LC6		17.62	-0.40	-3.32	0.00	0.00	0.09	
718	A LC6		16.20	-1.00	-4.03	0.00	0.00	0.10	
719	A LC6		-12.12	-1.32	-4.11	0.00	0.00	-0.01	
720	A LC6		-19.48	-0.76	-3.44	0.00	0.00	-0.16	
721	A LC6		-7.78	-0.18	-2.61	0.00	0.00	-0.05	
747	A LC6		-3.49	-0.07	-0.77	0.13	1.02	-0.02	
749	A LC6		0.02	3.30	-1.96	0.00	0.00	-0.01	
750	A LC6		0.00	3.03	-2.24	0.00	0.00	0.00	
751	A LC6		2.70	0.01	-1.25	0.00	0.00	-0.01	
752	A LC6		3.91	0.00	-2.03	0.00	0.00	0.00	
753	A LC6		-2.09	0.00	-2.87	0.00	0.00	-0.01	
754	A LC6		-4.96	0.00	-2.04	0.00	0.00	0.00	
772	A LC6		-17.04	-0.36	-1.53	1.81	-27.92	0.04	
779	A LC6		0.03	1.19	-0.08	0.00	0.00	-0.02	
783	A LC6		0.54	0.00	-0.56	0.00	0.00	0.00	
785	A LC6		0.47	1.28	-0.53	0.00	0.00	0.03	
	Total max/min values with corresponding values								
51	A LC6	P_x	21.60	2.67	-3.71	-7.62	0.47	-0.36	
720			-19.48	-0.76	-3.44	0.00	0.00	-0.16	
370		P_y	-0.22	4.16	-1.92	1.57	0.84	0.08	
424			0.01	-4.16	-1.38	1.71	0.11	0.01	
135		P_z	-0.36	-0.36	0.00	0.00	0.00	0.01	
54			3.37	0.55	-4.22	-7.97	0.16	-0.01	
286		M_x	0.05	1.48	-2.64	5.30	0.11	-0.02	
54			3.37	0.55	-4.22	-7.97	0.16	-0.01	
32		M_y	-2.67	-0.03	-2.67	0.25	1.96	-0.01	
772			-17.04	-0.36	-1.53	1.81	-27.92	0.04	
60		M_z	-15.10	0.03	-3.02	-0.83	0.61	0.39	
51			21.60	2.67	-3.71	-7.62	0.47	-0.36	
	Sum of loads and sum of support forces								
	A LC6		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			-22.00	9.50	-150.70	Loads			
Σ			-22.86	10.44	-113.90	Support Forces			
20	ULS DS1	P_x	-105.78	-5.81	-355.79	162.06	-99.72	9.71	CO1
			-128.70	-12.01	-399.55	192.64	-111.58	12.05	CO5
		P_y	-105.78	-5.81	-355.79	162.06	-99.72	9.71	CO1
			-128.70	-12.01	-399.55	192.64	-111.58	12.05	CO5
		P_z	-105.78	-5.81	-355.79	162.06	-99.72	9.71	CO1
			-128.18	-10.22	-406.26	193.26	-115.55	11.53	CO3
		M_x	-128.18	-10.22	-406.26	193.26	-115.55	11.53	CO3
			-105.78	-5.81	-355.79	162.06	-99.72	9.71	CO1
		M_y	-105.78	-5.81	-355.79	162.06	-99.72	9.71	CO1
			-128.18	-10.22	-406.26	193.26	-115.55	11.53	CO3
		M_z	-128.70	-12.01	-399.55	192.64	-111.58	12.05	CO5
			-105.78	-5.81	-355.79	162.06	-99.72	9.71	CO1
Extremes			-105.78	-5.81	-355.79	193.26	-99.72	12.05	
20			-128.70	-12.01	-406.26	162.06	-115.55	9.71	
25	ULS DS1	P_x	-217.66	6.32	-363.19	-23.48	-48.85	-0.29	CO1
			-266.73	5.35	-415.43	-20.23	-61.47	-0.02	CO3
		P_y	-217.66	6.32	-363.19	-23.48	-48.85	-0.29	CO1
			-266.73	5.35	-415.43	-20.23	-61.47	-0.02	CO3
		P_z	-217.66	6.32	-363.19	-23.48	-48.85	-0.29	CO1
			-266.73	5.35	-415.43	-20.23	-61.47	-0.02	CO3
		M_x	-261.69	5.37	-410.39	-20.07	-56.36	0.00	CO5

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
25		M_x	-217.66	6.32	-363.19	-23.48	-48.85	-0.29	CO1
		M_y	-236.14	5.77	-384.06	-21.20	-46.09	-0.10	CO4
			-253.15	5.72	-400.83	-21.77	-63.19	-0.15	CO2
		M_z	-261.69	5.37	-410.39	-20.07	-56.36	0.00	CO5
			-217.66	6.32	-363.19	-23.48	-48.85	-0.29	CO1
Extremes			-217.66	6.32	-363.19	-20.07	-46.09	0.00	
25			-266.73	5.35	-415.43	-23.48	-63.19	-0.29	
32	ULS DS1	P_x	4.94	-0.11	-357.26	-14.47	-37.08	-0.43	CO1
			0.23	-1.01	-404.35	-11.01	-43.49	-0.53	CO5
		P_y	4.94	-0.11	-357.26	-14.47	-37.08	-0.43	CO1
			0.75	-1.08	-408.05	-11.08	-48.19	-0.54	CO3
		P_z	4.94	-0.11	-357.26	-14.47	-37.08	-0.43	CO1
			0.75	-1.08	-408.05	-11.08	-48.19	-0.54	CO3
		M_x	0.23	-1.01	-404.35	-11.01	-43.49	-0.53	CO5
			4.94	-0.11	-357.26	-14.47	-37.08	-0.43	CO1
		M_y	1.67	-0.56	-379.92	-12.30	-34.33	-0.48	CO4
			3.31	-0.78	-392.21	-12.56	-50.02	-0.50	CO2
		M_z	4.94	-0.11	-357.26	-14.47	-37.08	-0.43	CO1
			0.75	-1.08	-408.05	-11.08	-48.19	-0.54	CO3
Extremes			4.94	-0.11	-357.26	-11.01	-34.33	-0.43	
32			0.23	-1.08	-408.05	-14.47	-50.02	-0.54	
39	ULS DS1	P_x	87.67	52.42	-384.84	-64.26	-71.44	0.47	CO3
			74.85	55.93	-339.15	-88.04	-52.78	0.57	CO1
		P_y	76.34	57.56	-361.52	-68.85	-52.81	0.47	CO4
			87.11	51.25	-369.22	-77.62	-71.21	0.54	CO2
		P_z	74.85	55.93	-339.15	-88.04	-52.78	0.57	CO1
			87.67	52.42	-384.84	-64.26	-71.44	0.47	CO3
		M_x	84.40	54.31	-382.53	-61.64	-65.94	0.45	CO5
			74.85	55.93	-339.15	-88.04	-52.78	0.57	CO1
		M_y	74.85	55.93	-339.15	-88.04	-52.78	0.57	CO1
			87.67	52.42	-384.84	-64.26	-71.44	0.47	CO3
		M_z	74.85	55.93	-339.15	-88.04	-52.78	0.57	CO1
			84.40	54.31	-382.53	-61.64	-65.94	0.45	CO5
Extremes			87.67	57.56	-339.15	-61.64	-52.78	0.57	
39			74.85	51.25	-384.84	-88.04	-71.44	0.45	
45	ULS DS1	P_x	15.91	12.56	-346.37	-33.63	-40.26	1.24	CO4
			12.51	13.27	-349.43	-35.30	-50.70	1.27	CO2
		P_y	12.51	13.27	-349.43	-35.30	-50.70	1.27	CO2
			15.91	12.56	-346.37	-33.63	-40.26	1.24	CO4
		P_z	13.10	12.97	-323.77	-36.18	-38.44	1.15	CO1
			14.12	12.99	-365.19	-33.55	-52.23	1.34	CO3
		M_x	15.12	12.78	-364.26	-33.05	-49.13	1.33	CO5
			13.10	12.97	-323.77	-36.18	-38.44	1.15	CO1
		M_y	13.10	12.97	-323.77	-36.18	-38.44	1.15	CO1
			14.12	12.99	-365.19	-33.55	-52.23	1.34	CO3
		M_z	14.12	12.99	-365.19	-33.55	-52.23	1.34	CO3
			13.10	12.97	-323.77	-36.18	-38.44	1.15	CO1
Extremes			15.91	13.27	-323.77	-33.05	-38.44	1.34	
45			12.51	12.56	-365.19	-36.18	-52.23	1.15	
51	ULS DS1	P_x	253.49	127.30	-270.64	-160.68	-9.89	-0.75	CO4
			201.65	122.13	-269.06	-158.96	-22.40	-0.76	CO2
		P_y	239.56	128.36	-285.64	-161.08	-18.37	-0.65	CO5
			223.98	120.72	-246.99	-158.73	-10.29	-0.89	CO1
		P_z	223.98	120.72	-246.99	-158.73	-10.29	-0.89	CO1
			239.56	128.36	-285.64	-161.08	-18.37	-0.65	CO5
		M_x	223.98	120.72	-246.99	-158.73	-10.29	-0.89	CO1
			239.56	128.36	-285.64	-161.08	-18.37	-0.65	CO5
		M_y	253.49	127.30	-270.64	-160.68	-9.89	-0.75	CO4
			201.65	122.13	-269.06	-158.96	-22.40	-0.76	CO2
		M_z	239.56	128.36	-285.64	-161.08	-18.37	-0.65	CO5
			223.98	120.72	-246.99	-158.73	-10.29	-0.89	CO1
Extremes			253.49	128.36	-246.99	-158.73	-9.89	-0.65	
51			201.65	120.72	-285.64	-161.08	-22.40	-0.89	
54	ULS DS1	P_x	257.51	125.29	-284.58	-167.16	-13.99	-0.79	CO4
			231.20	125.61	-285.30	-171.10	-26.71	-0.81	CO2
		P_y	249.67	126.19	-260.09	-173.92	-13.13	-0.86	CO1
			245.51	124.97	-301.85	-165.44	-23.63	-0.76	CO5
		P_z	249.67	126.19	-260.09	-173.92	-13.13	-0.86	CO1
			237.55	125.07	-302.10	-166.62	-27.43	-0.77	CO3
		M_x	245.51	124.97	-301.85	-165.44	-23.63	-0.76	CO5
			249.67	126.19	-260.09	-173.92	-13.13	-0.86	CO1
		M_y	249.67	126.19	-260.09	-173.92	-13.13	-0.86	CO1

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
54		M_y	237.55	125.07	-302.10	-166.62	-27.43	-0.77	CO3
		M_z	245.51	124.97	-301.85	-165.44	-23.63	-0.76	CO5
			249.67	126.19	-260.09	-173.92	-13.13	-0.86	CO1
Extremes			257.51	126.19	-260.09	-165.44	-13.13	-0.76	
54			231.20	124.97	-302.10	-173.92	-27.43	-0.86	
57	ULS DS1	P_x	314.93	131.26	-275.35	-190.57	-11.82	-1.18	CO1
			297.36	137.49	-320.22	-189.46	-24.38	-1.26	CO5
		P_y	297.36	137.49	-320.22	-189.46	-24.38	-1.26	CO5
			314.93	131.26	-275.35	-190.57	-11.82	-1.18	CO1
		P_z	314.93	131.26	-275.35	-190.57	-11.82	-1.18	CO1
			298.92	136.03	-321.53	-189.02	-28.20	-1.24	CO3
		M_x	307.56	132.01	-304.43	-188.91	-26.61	-1.19	CO2
			314.93	131.26	-275.35	-190.57	-11.82	-1.18	CO1
		M_y	314.93	131.26	-275.35	-190.57	-11.82	-1.18	CO1
			298.92	136.03	-321.53	-189.02	-28.20	-1.24	CO3
		M_z	314.93	131.26	-275.35	-190.57	-11.82	-1.18	CO1
			297.36	137.49	-320.22	-189.46	-24.38	-1.26	CO5
Extremes			314.93	137.49	-275.35	-188.91	-11.82	-1.18	
57			297.36	131.26	-321.53	-190.57	-28.20	-1.26	
60	ULS DS1	P_x	393.27	143.06	-326.05	-211.28	-19.73	-2.17	CO2
			335.48	149.79	-316.95	-214.54	-9.17	-2.16	CO4
		P_y	352.66	150.53	-340.39	-214.02	-19.07	-2.21	CO5
			368.33	142.12	-292.23	-212.38	-5.93	-2.09	CO1
		P_z	368.33	142.12	-292.23	-212.38	-5.93	-2.09	CO1
			370.02	148.51	-343.14	-213.03	-22.22	-2.22	CO3
		M_x	393.27	143.06	-326.05	-211.28	-19.73	-2.17	CO2
			335.48	149.79	-316.95	-214.54	-9.17	-2.16	CO4
		M_y	368.33	142.12	-292.23	-212.38	-5.93	-2.09	CO1
			370.02	148.51	-343.14	-213.03	-22.22	-2.22	CO3
		M_z	368.33	142.12	-292.23	-212.38	-5.93	-2.09	CO1
			370.02	148.51	-343.14	-213.03	-22.22	-2.22	CO3
Extremes			393.27	150.53	-292.23	-211.28	-5.93	-2.09	
60			335.48	142.12	-343.14	-214.54	-22.22	-2.22	
71	ULS DS1	P_x	13.20	388.59	-328.15	-106.00	26.73	-22.16	CO5
			-3.04	389.52	-300.79	-113.15	31.87	-20.70	CO1
		P_y	4.44	415.20	-317.51	-113.05	27.36	-22.27	CO2
			8.21	370.47	-316.60	-105.72	30.17	-21.05	CO4
		P_z	-3.04	389.52	-300.79	-113.15	31.87	-20.70	CO1
			12.10	401.98	-328.44	-108.18	25.91	-22.53	CO3
		M_x	8.21	370.47	-316.60	-105.72	30.17	-21.05	CO4
			-3.04	389.52	-300.79	-113.15	31.87	-20.70	CO1
		M_y	-3.04	389.52	-300.79	-113.15	31.87	-20.70	CO1
			12.10	401.98	-328.44	-108.18	25.91	-22.53	CO3
		M_z	-3.04	389.52	-300.79	-113.15	31.87	-20.70	CO1
			12.10	401.98	-328.44	-108.18	25.91	-22.53	CO3
Extremes			13.20	415.20	-300.79	-105.72	31.87	-20.70	
71			-3.04	370.47	-328.44	-113.15	25.91	-22.53	
72	ULS DS1	P_x	64.68	8.34	-345.60	-29.67	-47.73	0.16	CO5
			49.58	11.87	-310.23	-36.37	-31.53	0.00	CO1
		P_y	49.58	11.87	-310.23	-36.37	-31.53	0.00	CO1
			64.68	8.34	-345.60	-29.67	-47.73	0.16	CO5
		P_z	49.58	11.87	-310.23	-36.37	-31.53	0.00	CO1
			62.75	9.14	-345.97	-31.03	-49.88	0.18	CO3
		M_x	64.68	8.34	-345.60	-29.67	-47.73	0.16	CO5
			49.58	11.87	-310.23	-36.37	-31.53	0.00	CO1
		M_y	49.58	11.87	-310.23	-36.37	-31.53	0.00	CO1
			62.75	9.14	-345.97	-31.03	-49.88	0.18	CO3
		M_z	62.75	9.14	-345.97	-31.03	-49.88	0.18	CO3
			49.58	11.87	-310.23	-36.37	-31.53	0.00	CO1
Extremes			64.68	11.87	-310.23	-29.67	-31.53	0.18	
72			49.58	8.34	-345.97	-36.37	-49.88	0.00	
74	ULS DS1	P_x	108.88	93.78	-364.77	0.00	0.00	-0.62	CO3
			92.29	79.11	-322.80	0.00	0.00	-0.61	CO1
		P_y	108.88	93.78	-364.77	0.00	0.00	-0.62	CO3
			92.29	79.11	-322.80	0.00	0.00	-0.61	CO1
		P_z	92.29	79.11	-322.80	0.00	0.00	-0.61	CO1
			108.88	93.78	-364.77	0.00	0.00	-0.62	CO3
		M_x	92.29	79.11	-322.80	0.00	0.00	-0.61	CO1
			92.29	79.11	-322.80	0.00	0.00	-0.61	CO1
		M_y	92.29	79.11	-322.80	0.00	0.00	-0.61	CO1
			92.29	79.11	-322.80	0.00	0.00	-0.61	CO1
		M_z	93.91	81.93	-344.75	0.00	0.00	-0.57	CO4

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
74		M_z	108.01	91.85	-349.45	0.00	0.00	-0.64	CO2
Extremes			108.88	93.78	-322.80	0.00	0.00	-0.57	
74			92.29	79.11	-364.77	0.00	0.00	-0.64	
99	ULS DS1	P_x	41.45	-38.96	-376.39	0.00	0.00	-3.30	CO3
			28.74	-39.35	-341.45	0.00	0.00	-3.07	CO1
		P_y	36.31	-38.64	-370.28	0.00	0.00	-3.37	CO2
			36.15	-39.81	-350.10	0.00	0.00	-2.97	CO4
		P_z	28.74	-39.35	-341.45	0.00	0.00	-3.07	CO1
			41.45	-38.96	-376.39	0.00	0.00	-3.30	CO3
		M_x	28.74	-39.35	-341.45	0.00	0.00	-3.07	CO1
			28.74	-39.35	-341.45	0.00	0.00	-3.07	CO1
		M_y	28.74	-39.35	-341.45	0.00	0.00	-3.07	CO1
			28.74	-39.35	-341.45	0.00	0.00	-3.07	CO1
		M_z	36.15	-39.81	-350.10	0.00	0.00	-2.97	CO4
			36.31	-38.64	-370.28	0.00	0.00	-3.37	CO2
Extremes			41.45	-38.64	-341.45	0.00	0.00	-2.97	
99			28.74	-39.81	-376.39	0.00	0.00	-3.37	
100	ULS DS1	P_x	142.36	16.75	-375.94	0.00	0.00	-8.99	CO2
			117.24	17.86	-355.97	0.00	0.00	-7.74	CO4
		P_y	131.06	18.04	-381.51	0.00	0.00	-8.49	CO5
			122.71	16.52	-339.46	0.00	0.00	-7.92	CO1
		P_z	122.71	16.52	-339.46	0.00	0.00	-7.92	CO1
			138.58	17.70	-387.50	0.00	0.00	-8.86	CO3
		M_x	122.71	16.52	-339.46	0.00	0.00	-7.92	CO1
			122.71	16.52	-339.46	0.00	0.00	-7.92	CO1
		M_y	122.71	16.52	-339.46	0.00	0.00	-7.92	CO1
			122.71	16.52	-339.46	0.00	0.00	-7.92	CO1
		M_z	117.24	17.86	-355.97	0.00	0.00	-7.74	CO4
			142.36	16.75	-375.94	0.00	0.00	-8.99	CO2
Extremes			142.36	18.04	-339.46	0.00	0.00	-7.74	
100			117.24	16.52	-387.50	0.00	0.00	-8.99	
101	ULS DS1	P_x	203.13	129.66	-359.38	0.00	0.00	-3.60	CO3
			171.98	116.60	-316.21	0.00	0.00	-3.67	CO1
		P_y	203.13	129.66	-359.38	0.00	0.00	-3.60	CO3
			171.98	116.60	-316.21	0.00	0.00	-3.67	CO1
		P_z	171.98	116.60	-316.21	0.00	0.00	-3.67	CO1
			203.13	129.66	-359.38	0.00	0.00	-3.60	CO3
		M_x	171.98	116.60	-316.21	0.00	0.00	-3.67	CO1
			171.98	116.60	-316.21	0.00	0.00	-3.67	CO1
		M_y	171.98	116.60	-316.21	0.00	0.00	-3.67	CO1
			171.98	116.60	-316.21	0.00	0.00	-3.67	CO1
		M_z	201.63	125.62	-349.61	0.00	0.00	-3.14	CO2
			174.15	122.27	-330.17	0.00	0.00	-4.33	CO4
Extremes			203.13	129.66	-316.21	0.00	0.00	-3.14	
101			171.98	116.60	-359.38	0.00	0.00	-4.33	
135	ULS DS1	P_x	225.99	417.75	-428.89	0.00	0.00	-0.28	CO3
			208.44	374.18	-384.59	0.00	0.00	-0.26	CO1
		P_y	225.99	417.75	-428.89	0.00	0.00	-0.28	CO3
			208.44	374.18	-384.59	0.00	0.00	-0.26	CO1
		P_z	208.44	374.18	-384.59	0.00	0.00	-0.26	CO1
			225.99	417.75	-428.89	0.00	0.00	-0.28	CO3
		M_x	208.44	374.18	-384.59	0.00	0.00	-0.26	CO1
			208.44	374.18	-384.59	0.00	0.00	-0.26	CO1
		M_y	208.44	374.18	-384.59	0.00	0.00	-0.26	CO1
			208.44	374.18	-384.59	0.00	0.00	-0.26	CO1
		M_z	214.29	383.44	-394.52	0.00	0.00	-0.24	CO4
			221.85	411.15	-421.84	0.00	0.00	-0.30	CO2
Extremes			225.99	417.75	-384.59	0.00	0.00	-0.24	
135			208.44	374.18	-428.89	0.00	0.00	-0.30	
138	ULS DS1	P_x	355.80	36.87	-396.39	0.00	0.00	0.40	CO3
			321.18	22.31	-354.85	0.00	0.00	0.41	CO1
		P_y	355.80	36.87	-396.39	0.00	0.00	0.40	CO3
			321.18	22.31	-354.85	0.00	0.00	0.41	CO1
		P_z	321.18	22.31	-354.85	0.00	0.00	0.41	CO1
			355.80	36.87	-396.39	0.00	0.00	0.40	CO3
		M_x	321.18	22.31	-354.85	0.00	0.00	0.41	CO1
			321.18	22.31	-354.85	0.00	0.00	0.41	CO1
		M_y	321.18	22.31	-354.85	0.00	0.00	0.41	CO1
			321.18	22.31	-354.85	0.00	0.00	0.41	CO1
		M_z	321.18	22.31	-354.85	0.00	0.00	0.41	CO1
			355.80	36.87	-396.39	0.00	0.00	0.40	CO3
Extremes			355.80	36.87	-354.85	0.00	0.00	0.41	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
138			321.18	22.31	-396.39	0.00	0.00	0.40	
139	ULS DS1	P_x	110.55	265.25	-389.15	0.00	0.00	-1.77	CO3
			95.04	217.46	-351.54	0.00	0.00	-1.79	CO1
		P_y	110.55	265.25	-389.15	0.00	0.00	-1.77	CO3
			95.04	217.46	-351.54	0.00	0.00	-1.79	CO1
		P_z	95.04	217.46	-351.54	0.00	0.00	-1.79	CO1
			110.55	265.25	-389.15	0.00	0.00	-1.77	CO3
		M_x	95.04	217.46	-351.54	0.00	0.00	-1.79	CO1
			95.04	217.46	-351.54	0.00	0.00	-1.79	CO1
		M_y	95.04	217.46	-351.54	0.00	0.00	-1.79	CO1
			95.04	217.46	-351.54	0.00	0.00	-1.79	CO1
		M_z	110.44	264.12	-383.17	0.00	0.00	-1.76	CO2
			95.18	219.04	-359.96	0.00	0.00	-1.80	CO4
Extremes			110.55	265.25	-351.54	0.00	0.00	-1.76	
139			95.04	217.46	-389.15	0.00	0.00	-1.80	
286	ULS DS1	P_x	-3.16	136.39	-364.59	-46.28	-5.48	-0.53	CO4
			-4.02	125.73	-373.55	-59.41	-7.67	-0.62	CO2
		P_y	-3.16	136.39	-364.59	-46.28	-5.48	-0.53	CO4
			-4.02	125.73	-373.55	-59.41	-7.67	-0.62	CO2
		P_z	-3.38	129.82	-344.50	-78.49	-5.92	-0.48	CO1
			-3.88	130.37	-387.58	-36.97	-7.40	-0.66	CO3
		M_x	-3.63	133.57	-384.89	-33.05	-6.75	-0.63	CO5
			-3.38	129.82	-344.50	-78.49	-5.92	-0.48	CO1
		M_y	-3.16	136.39	-364.59	-46.28	-5.48	-0.53	CO4
			-4.02	125.73	-373.55	-59.41	-7.67	-0.62	CO2
		M_z	-3.38	129.82	-344.50	-78.49	-5.92	-0.48	CO1
			-3.88	130.37	-387.58	-36.97	-7.40	-0.66	CO3
Extremes			-3.16	136.39	-344.50	-33.05	-5.48	-0.48	
286			-4.02	125.73	-387.58	-78.49	-7.67	-0.66	
322	ULS DS1	P_x	-50.70	336.99	-369.98	0.00	0.00	24.19	CO2
			-67.76	338.33	-347.84	0.00	0.00	22.79	CO4
		P_y	-60.87	360.99	-373.30	0.00	0.00	24.96	CO5
			-60.59	304.51	-333.63	0.00	0.00	21.07	CO1
		P_z	-60.59	304.51	-333.63	0.00	0.00	21.07	CO1
			-55.75	360.61	-379.94	0.00	0.00	25.38	CO3
		M_x	-60.59	304.51	-333.63	0.00	0.00	21.07	CO1
			-60.59	304.51	-333.63	0.00	0.00	21.07	CO1
		M_y	-60.59	304.51	-333.63	0.00	0.00	21.07	CO1
			-60.59	304.51	-333.63	0.00	0.00	21.07	CO1
		M_z	-55.75	360.61	-379.94	0.00	0.00	25.38	CO3
			-60.59	304.51	-333.63	0.00	0.00	21.07	CO1
Extremes			-50.70	360.99	-333.63	0.00	0.00	25.38	
322			-67.76	304.51	-379.94	0.00	0.00	21.07	
340	ULS DS1	P_x	-111.01	18.37	-255.28	-31.87	6.35	3.98	CO1
			-130.32	18.11	-275.27	-31.55	6.91	4.01	CO3
		P_y	-119.64	19.04	-261.94	-32.89	6.66	4.24	CO4
			-124.51	17.68	-270.67	-30.86	6.70	3.84	CO2
		P_z	-111.01	18.37	-255.28	-31.87	6.35	3.98	CO1
			-130.32	18.11	-275.27	-31.55	6.91	4.01	CO3
		M_x	-124.51	17.68	-270.67	-30.86	6.70	3.84	CO2
			-119.64	19.04	-261.94	-32.89	6.66	4.24	CO4
		M_y	-130.32	18.11	-275.27	-31.55	6.91	4.01	CO3
			-111.01	18.37	-255.28	-31.87	6.35	3.98	CO1
		M_z	-119.64	19.04	-261.94	-32.89	6.66	4.24	CO4
			-124.51	17.68	-270.67	-30.86	6.70	3.84	CO2
Extremes			-111.01	19.04	-255.28	-30.86	6.91	4.24	
340			-130.32	17.68	-275.27	-32.89	6.35	3.84	
341	ULS DS1	P_x	123.97	5.47	-261.30	-27.38	-12.06	-3.51	CO2
			121.00	8.15	-253.26	-29.79	-11.51	-3.95	CO4
		P_y	121.00	8.15	-253.26	-29.79	-11.51	-3.95	CO4
			123.97	5.47	-261.30	-27.38	-12.06	-3.51	CO2
		P_z	123.28	5.86	-246.33	-28.30	-11.33	-3.65	CO1
			122.56	7.02	-266.09	-28.38	-12.18	-3.71	CO3
		M_x	123.97	5.47	-261.30	-27.38	-12.06	-3.51	CO2
			121.00	8.15	-253.26	-29.79	-11.51	-3.95	CO4
		M_y	123.28	5.86	-246.33	-28.30	-11.33	-3.65	CO1
			122.56	7.02	-266.09	-28.38	-12.18	-3.71	CO3
		M_z	123.97	5.47	-261.30	-27.38	-12.06	-3.51	CO2
			121.00	8.15	-253.26	-29.79	-11.51	-3.95	CO4
Extremes			123.97	8.15	-246.33	-27.38	-11.33	-3.51	
341			121.00	5.47	-266.09	-29.79	-12.18	-3.95	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
342	ULS DS1	P_x	-103.71	19.89	-235.92	-29.23	9.28	2.84	CO1
			-121.05	18.89	-256.44	-27.11	10.05	2.60	CO3
		P_y	-103.71	19.89	-235.92	-29.23	9.28	2.84	CO1
			-117.49	18.88	-252.14	-27.15	9.96	2.62	CO5
		P_z	-103.71	19.89	-235.92	-29.23	9.28	2.84	CO1
			-121.05	18.89	-256.44	-27.11	10.05	2.60	CO3
		M_x	-121.05	18.89	-256.44	-27.11	10.05	2.60	CO3
			-103.71	19.89	-235.92	-29.23	9.28	2.84	CO1
		M_y	-121.05	18.89	-256.44	-27.11	10.05	2.60	CO3
			-103.71	19.89	-235.92	-29.23	9.28	2.84	CO1
		M_z	-103.71	19.89	-235.92	-29.23	9.28	2.84	CO1
			-121.05	18.89	-256.44	-27.11	10.05	2.60	CO3
Extremes			-103.71	19.89	-235.92	-27.11	10.05	2.84	
342			-121.05	18.88	-256.44	-29.23	9.28	2.60	
343	ULS DS1	P_x	99.39	-3.02	-247.40	-21.81	-14.13	-2.39	CO2
			98.54	-1.91	-233.35	-21.96	-13.08	-2.43	CO4
		P_y	98.54	-1.91	-233.35	-21.96	-13.08	-2.43	CO4
			99.39	-3.02	-247.40	-21.81	-14.13	-2.39	CO2
		P_z	98.89	-2.09	-229.85	-23.11	-13.01	-2.54	CO1
			99.19	-2.89	-249.85	-21.04	-14.18	-2.31	CO3
		M_x	99.19	-2.89	-249.85	-21.04	-14.18	-2.31	CO3
			98.89	-2.09	-229.85	-23.11	-13.01	-2.54	CO1
		M_y	98.89	-2.09	-229.85	-23.11	-13.01	-2.54	CO1
			99.19	-2.89	-249.85	-21.04	-14.18	-2.31	CO3
		M_z	99.19	-2.89	-249.85	-21.04	-14.18	-2.31	CO3
			98.89	-2.09	-229.85	-23.11	-13.01	-2.54	CO1
Extremes			99.39	-1.91	-229.85	-21.04	-13.01	-2.31	
343			98.54	-3.02	-249.85	-23.11	-14.18	-2.54	
365	ULS DS1	P_x	-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
			-256.45	20.31	-445.59	0.00	0.00	-0.01	CO3
		P_y	-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
			-256.45	20.31	-445.59	0.00	0.00	-0.01	CO3
		P_z	-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
			-256.45	20.31	-445.59	0.00	0.00	-0.01	CO3
		M_x	-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
			-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
		M_y	-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
			-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
		M_z	-197.32	56.85	-391.75	0.00	0.00	0.32	CO1
			-256.45	20.31	-445.59	0.00	0.00	-0.01	CO3
Extremes			-197.32	56.85	-391.75	0.00	0.00	0.32	
365			-256.45	20.31	-445.59	0.00	0.00	-0.01	
370	ULS DS1	P_x	192.16	-80.87	-347.27	-179.55	1.24	-5.44	CO1
			170.62	-126.96	-403.17	-181.86	-11.09	-5.45	CO3
		P_y	186.26	-80.23	-369.23	-170.40	1.31	-5.18	CO4
			174.98	-127.47	-387.89	-187.99	-10.99	-5.62	CO2
		P_z	192.16	-80.87	-347.27	-179.55	1.24	-5.44	CO1
			170.62	-126.96	-403.17	-181.86	-11.09	-5.45	CO3
		M_x	186.26	-80.23	-369.23	-170.40	1.31	-5.18	CO4
			174.98	-127.47	-387.89	-187.99	-10.99	-5.62	CO2
		M_y	186.26	-80.23	-369.23	-170.40	1.31	-5.18	CO4
			170.62	-126.96	-403.17	-181.86	-11.09	-5.45	CO3
		M_z	186.26	-80.23	-369.23	-170.40	1.31	-5.18	CO4
			174.98	-127.47	-387.89	-187.99	-10.99	-5.62	CO2
Extremes			192.16	-80.23	-347.27	-170.40	1.31	-5.18	
370			170.62	-127.47	-403.17	-187.99	-11.09	-5.62	
372	ULS DS1	P_x	-2.75	227.79	-373.03	-117.52	-7.50	0.56	CO1
			-3.68	199.18	-431.81	-112.37	-10.07	0.53	CO3
		P_y	-2.75	227.79	-373.03	-117.52	-7.50	0.56	CO1
			-3.68	199.18	-431.81	-112.37	-10.07	0.53	CO3
		P_z	-2.75	227.79	-373.03	-117.52	-7.50	0.56	CO1
			-3.68	199.18	-431.81	-112.37	-10.07	0.53	CO3
		M_x	-3.00	215.72	-393.64	-107.49	-7.74	0.56	CO4
			-3.50	207.45	-417.43	-119.17	-9.87	0.53	CO2
		M_y	-2.75	227.79	-373.03	-117.52	-7.50	0.56	CO1
			-3.68	199.18	-431.81	-112.37	-10.07	0.53	CO3
		M_z	-3.00	215.72	-393.64	-107.49	-7.74	0.56	CO4
			-3.50	207.45	-417.43	-119.17	-9.87	0.53	CO2
Extremes			-2.75	227.79	-373.03	-107.49	-7.50	0.56	
372			-3.68	199.18	-431.81	-119.17	-10.07	0.53	
377	ULS DS1	P_x	-4.06	-8.88	-386.57	-100.46	-13.13	2.25	CO1
			-5.22	-55.81	-443.45	-84.65	-15.81	2.78	CO3

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
377		P_y	-4.06	-8.88	-386.57	-100.46	-13.13	2.25	CO1
			-5.06	-57.66	-435.91	-83.39	-15.02	2.73	CO5
		P_z	-4.06	-8.88	-386.57	-100.46	-13.13	2.25	CO1
			-5.22	-55.81	-443.45	-84.65	-15.81	2.78	CO3
		M_x	-5.06	-57.66	-435.91	-83.39	-15.02	2.73	CO5
			-4.06	-8.88	-386.57	-100.46	-13.13	2.25	CO1
		M_y	-4.41	-40.28	-405.26	-88.54	-13.12	2.47	CO4
			-5.22	-55.81	-443.45	-84.65	-15.81	2.78	CO3
		M_z	-5.22	-55.81	-443.45	-84.65	-15.81	2.78	CO3
			-4.06	-8.88	-386.57	-100.46	-13.13	2.25	CO1
Extremes			-4.06	-8.88	-386.57	-83.39	-13.12	2.78	
377			-5.22	-57.66	-443.45	-100.46	-15.81	2.25	
415	ULS DS1	P_x	0.35	268.97	-264.73	-151.84	-107.52	-5.14	CO1
			-11.97	285.82	-294.48	-144.25	-104.18	-5.15	CO3
		P_y	-1.85	298.53	-282.95	-145.57	-101.09	-5.02	CO4
			-10.00	266.92	-282.15	-148.70	-108.67	-5.25	CO2
		P_z	0.35	268.97	-264.73	-151.84	-107.52	-5.14	CO1
			-9.57	295.16	-294.67	-143.29	-101.89	-5.08	CO5
		M_x	-9.57	295.16	-294.67	-143.29	-101.89	-5.08	CO5
			0.35	268.97	-264.73	-151.84	-107.52	-5.14	CO1
		M_y	-1.85	298.53	-282.95	-145.57	-101.09	-5.02	CO4
			-10.00	266.92	-282.15	-148.70	-108.67	-5.25	CO2
		M_z	-1.85	298.53	-282.95	-145.57	-101.09	-5.02	CO4
			-10.00	266.92	-282.15	-148.70	-108.67	-5.25	CO2
Extremes			0.35	298.53	-264.73	-143.29	-101.09	-5.02	
415			-11.97	266.92	-294.67	-151.84	-108.67	-5.25	
417	ULS DS1	P_x	91.53	189.75	-238.28	-110.79	-113.44	1.04	CO1
			81.84	162.32	-269.14	-104.18	-110.91	1.62	CO3
		P_y	91.53	189.75	-238.28	-110.79	-113.44	1.04	CO1
			81.84	162.32	-269.14	-104.18	-110.91	1.62	CO3
		P_z	91.53	189.75	-238.28	-110.79	-113.44	1.04	CO1
			83.46	163.79	-269.78	-103.10	-108.64	1.69	CO5
		M_x	83.46	163.79	-269.78	-103.10	-108.64	1.69	CO5
			91.53	189.75	-238.28	-110.79	-113.44	1.04	CO1
		M_y	89.33	176.84	-257.99	-104.62	-107.56	1.50	CO4
			83.74	171.64	-255.76	-108.24	-115.04	1.29	CO2
		M_z	83.46	163.79	-269.78	-103.10	-108.64	1.69	CO5
			91.53	189.75	-238.28	-110.79	-113.44	1.04	CO1
Extremes			91.53	189.75	-238.28	-103.10	-107.56	1.69	
417			81.84	162.32	-269.78	-110.79	-115.04	1.04	
419	ULS DS1	P_x	-97.34	306.63	-260.10	-112.48	-82.48	-0.46	CO1
			-99.20	266.74	-290.22	-103.28	-82.79	-0.33	CO5
		P_y	-97.34	306.63	-260.10	-112.48	-82.48	-0.46	CO1
			-99.20	266.74	-290.22	-103.28	-82.79	-0.33	CO5
		P_z	-97.34	306.63	-260.10	-112.48	-82.48	-0.46	CO1
			-99.20	266.74	-290.22	-103.28	-82.79	-0.33	CO5
		M_x	-99.20	266.74	-290.22	-103.28	-82.79	-0.33	CO5
			-97.34	306.63	-260.10	-112.48	-82.48	-0.46	CO1
		M_y	-99.06	283.12	-278.37	-104.92	-82.17	-0.27	CO4
			-97.52	284.35	-277.52	-109.74	-83.30	-0.55	CO2
		M_z	-99.06	283.12	-278.37	-104.92	-82.17	-0.27	CO4
			-97.52	284.35	-277.52	-109.74	-83.30	-0.55	CO2
Extremes			-97.34	306.63	-260.10	-103.28	-82.17	-0.27	
419			-99.20	266.74	-290.22	-112.48	-83.30	-0.55	
422	ULS DS1	P_x	44.63	217.11	-336.15	-39.25	78.16	0.52	CO3
			38.68	187.55	-309.47	-41.24	69.63	0.53	CO1
		P_y	44.63	217.11	-336.15	-39.25	78.16	0.52	CO3
			38.68	187.55	-309.47	-41.24	69.63	0.53	CO1
		P_z	38.68	187.55	-309.47	-41.24	69.63	0.53	CO1
			44.63	217.11	-336.15	-39.25	78.16	0.52	CO3
		M_x	44.05	210.04	-335.77	-38.51	76.69	0.45	CO5
			38.68	187.55	-309.47	-41.24	69.63	0.53	CO1
		M_y	44.63	217.11	-336.15	-39.25	78.16	0.52	CO3
			38.68	187.55	-309.47	-41.24	69.63	0.53	CO1
		M_z	43.02	214.68	-325.72	-41.01	76.71	0.62	CO2
			41.11	191.17	-324.50	-38.52	71.86	0.37	CO4
Extremes			44.63	217.11	-309.47	-38.51	78.16	0.62	
422			38.68	187.55	-336.15	-41.24	69.63	0.37	
424	ULS DS1	P_x	-97.87	359.96	-280.97	-113.55	-60.22	1.98	CO1
			-101.89	318.56	-309.80	-104.21	-63.71	2.34	CO5
		P_y	-97.87	359.96	-280.97	-113.55	-60.22	1.98	CO1
			-101.89	318.56	-309.80	-104.21	-63.71	2.34	CO5

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
424		P_z	-97.87	359.96	-280.97	-113.55	-60.22	1.98	CO1
			-101.49	328.84	-309.90	-106.27	-63.86	2.51	CO3
		M_x	-101.89	318.56	-309.80	-104.21	-63.71	2.34	CO5
			-97.87	359.96	-280.97	-113.55	-60.22	1.98	CO1
		M_y	-97.87	359.96	-280.97	-113.55	-60.22	1.98	CO1
			-101.49	328.84	-309.90	-106.27	-63.86	2.51	CO3
		M_z	-99.44	355.94	-298.22	-111.95	-62.54	2.53	CO2
			-100.77	321.57	-297.98	-105.00	-62.00	1.94	CO4
Extremes			-97.87	359.96	-280.97	-104.21	-60.22	2.53	
424			-101.89	318.56	-309.90	-113.55	-63.86	1.94	
443	ULS DS1	P_x	154.22	335.78	-251.43	-298.96	-13.69	13.16	CO4
			110.60	298.70	-248.01	-307.97	-24.12	13.99	CO2
		P_y	154.22	335.78	-251.43	-298.96	-13.69	13.16	CO4
			110.60	298.70	-248.01	-307.97	-24.12	13.99	CO2
		P_z	118.85	306.83	-229.93	-313.62	-14.51	14.43	CO1
			148.21	328.93	-263.57	-295.07	-20.47	12.83	CO5
		M_x	148.21	328.93	-263.57	-295.07	-20.47	12.83	CO5
			118.85	306.83	-229.93	-313.62	-14.51	14.43	CO1
		M_y	154.22	335.78	-251.43	-298.96	-13.69	13.16	CO4
			110.60	298.70	-248.01	-307.97	-24.12	13.99	CO2
		M_z	118.85	306.83	-229.93	-313.62	-14.51	14.43	CO1
			148.21	328.93	-263.57	-295.07	-20.47	12.83	CO5
Extremes			154.22	335.78	-229.93	-295.07	-13.69	14.43	
443			110.60	298.70	-263.57	-313.62	-24.12	12.83	
445	ULS DS1	P_x	191.53	-190.39	-350.82	-251.90	-19.79	8.22	CO2
			156.89	-148.59	-334.70	-241.38	-8.72	7.88	CO4
		P_y	177.96	-142.76	-310.56	-258.26	-7.05	8.23	CO1
			176.65	-194.28	-367.58	-240.49	-21.16	7.99	CO3
		P_z	177.96	-142.76	-310.56	-258.26	-7.05	8.23	CO1
			176.65	-194.28	-367.58	-240.49	-21.16	7.99	CO3
		M_x	166.23	-181.72	-362.73	-237.36	-17.86	7.89	CO5
			177.96	-142.76	-310.56	-258.26	-7.05	8.23	CO1
		M_y	177.96	-142.76	-310.56	-258.26	-7.05	8.23	CO1
			176.65	-194.28	-367.58	-240.49	-21.16	7.99	CO3
		M_z	177.96	-142.76	-310.56	-258.26	-7.05	8.23	CO1
			156.89	-148.59	-334.70	-241.38	-8.72	7.88	CO4
Extremes			191.53	-142.76	-310.56	-237.36	-7.05	8.23	
445			156.89	-194.28	-367.58	-258.26	-21.16	7.88	
465	ULS DS1	P_x	-9.06	3.97	-401.41	-20.17	-14.97	-0.54	CO1
			-11.26	0.69	-458.16	-14.39	-18.91	-0.66	CO3
		P_y	-9.14	4.02	-418.05	-19.17	-14.99	-0.59	CO4
			-11.18	0.63	-446.51	-15.04	-18.86	-0.62	CO2
		P_z	-9.06	3.97	-401.41	-20.17	-14.97	-0.54	CO1
			-11.26	0.69	-458.16	-14.39	-18.91	-0.66	CO3
		M_x	-11.26	0.69	-458.16	-14.39	-18.91	-0.66	CO3
			-9.06	3.97	-401.41	-20.17	-14.97	-0.54	CO1
		M_y	-9.06	3.97	-401.41	-20.17	-14.97	-0.54	CO1
			-11.26	0.69	-458.16	-14.39	-18.91	-0.66	CO3
		M_z	-9.06	3.97	-401.41	-20.17	-14.97	-0.54	CO1
			-11.26	0.69	-458.16	-14.39	-18.91	-0.66	CO3
Extremes			-9.06	4.02	-401.41	-14.39	-14.97	-0.54	
465			-11.26	0.63	-458.16	-20.17	-18.91	-0.66	
468	ULS DS1	P_x	0.12	-3.39	-424.27	-7.47	-1.56	-0.55	CO1
			-0.13	-8.05	-484.98	0.72	-2.72	-0.67	CO3
		P_y	0.12	-3.39	-424.27	-7.47	-1.56	-0.55	CO1
			-0.13	-8.05	-484.98	0.72	-2.72	-0.67	CO3
		P_z	0.12	-3.39	-424.27	-7.47	-1.56	-0.55	CO1
			-0.13	-8.05	-484.98	0.72	-2.72	-0.67	CO3
		M_x	-0.13	-8.05	-484.98	0.72	-2.72	-0.67	CO3
			0.12	-3.39	-424.27	-7.47	-1.56	-0.55	CO1
		M_y	0.10	-3.42	-442.05	-6.18	-1.49	-0.60	CO4
			-0.10	-8.05	-472.55	-0.15	-2.73	-0.62	CO2
		M_z	0.12	-3.39	-424.27	-7.47	-1.56	-0.55	CO1
			-0.13	-8.05	-484.98	0.72	-2.72	-0.67	CO3
Extremes			0.12	-3.39	-424.27	0.72	-1.49	-0.55	
468			-0.13	-8.05	-484.98	-7.47	-2.73	-0.67	
542	ULS DS1	P_x	-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
			-47.04	-156.40	-413.15	0.00	0.00	1.04	CO3
		P_y	-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
			-47.04	-156.40	-413.15	0.00	0.00	1.04	CO3
		P_z	-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
			-47.04	-156.40	-413.15	0.00	0.00	1.04	CO3

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
542		M_x	-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
			-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
		M_y	-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
			-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
		M_z	-47.04	-156.40	-413.15	0.00	0.00	1.04	CO3
			-24.14	-137.27	-353.47	0.00	0.00	0.99	CO1
Extremes			-24.14	-137.27	-353.47	0.00	0.00	1.04	
542			-47.04	-156.40	-413.15	0.00	0.00	0.99	
547	ULS DS1	P_x	29.68	98.42	-269.05	0.00	0.00	0.06	CO4
			19.13	101.50	-264.12	0.00	0.00	0.07	CO2
		P_y	22.55	103.89	-271.29	0.00	0.00	0.06	CO3
			24.78	95.09	-258.77	0.00	0.00	0.07	CO1
		P_z	24.78	95.09	-258.77	0.00	0.00	0.07	CO1
			25.72	102.96	-272.76	0.00	0.00	0.06	CO5
		M_x	24.78	95.09	-258.77	0.00	0.00	0.07	CO1
			24.78	95.09	-258.77	0.00	0.00	0.07	CO1
		M_y	24.78	95.09	-258.77	0.00	0.00	0.07	CO1
			24.78	95.09	-258.77	0.00	0.00	0.07	CO1
		M_z	24.78	95.09	-258.77	0.00	0.00	0.07	CO1
			25.72	102.96	-272.76	0.00	0.00	0.06	CO5
Extremes			29.68	103.89	-258.77	0.00	0.00	0.07	
547			19.13	95.09	-272.76	0.00	0.00	0.06	
548	ULS DS1	P_x	-193.60	-74.15	-290.57	0.00	0.00	7.90	CO1
			-216.79	-76.13	-314.28	0.00	0.00	8.97	CO3
		P_y	-213.05	-73.83	-304.43	0.00	0.00	8.78	CO2
			-198.99	-77.40	-304.71	0.00	0.00	8.16	CO4
		P_z	-193.60	-74.15	-290.57	0.00	0.00	7.90	CO1
			-212.56	-77.20	-314.35	0.00	0.00	8.78	CO5
		M_x	-193.60	-74.15	-290.57	0.00	0.00	7.90	CO1
			-193.60	-74.15	-290.57	0.00	0.00	7.90	CO1
		M_y	-193.60	-74.15	-290.57	0.00	0.00	7.90	CO1
			-193.60	-74.15	-290.57	0.00	0.00	7.90	CO1
		M_z	-216.79	-76.13	-314.28	0.00	0.00	8.97	CO3
			-193.60	-74.15	-290.57	0.00	0.00	7.90	CO1
Extremes			-193.60	-73.83	-290.57	0.00	0.00	8.97	
548			-216.79	-77.40	-314.35	0.00	0.00	7.90	
589	ULS DS1	P_x	-0.51	-5.92	-284.08	21.56	-4.38	-1.03	CO4
			-1.49	-6.22	-264.42	22.89	-8.23	-1.17	CO2
		P_y	-1.04	-5.56	-258.60	19.76	-6.30	-1.06	CO1
			-1.11	-6.47	-282.24	24.14	-6.90	-1.14	CO3
		P_z	-1.04	-5.56	-258.60	19.76	-6.30	-1.06	CO1
			-0.82	-6.38	-288.13	23.74	-5.75	-1.10	CO5
		M_x	-1.11	-6.47	-282.24	24.14	-6.90	-1.14	CO3
			-1.04	-5.56	-258.60	19.76	-6.30	-1.06	CO1
		M_y	-0.51	-5.92	-284.08	21.56	-4.38	-1.03	CO4
			-1.49	-6.22	-264.42	22.89	-8.23	-1.17	CO2
		M_z	-0.51	-5.92	-284.08	21.56	-4.38	-1.03	CO4
			-1.49	-6.22	-264.42	22.89	-8.23	-1.17	CO2
Extremes			-0.51	-5.56	-258.60	24.14	-4.38	-1.03	
589			-1.49	-6.47	-288.13	19.76	-8.23	-1.17	
593	ULS DS1	P_x	267.63	111.32	-257.66	-151.58	-6.09	-3.66	CO4
			203.82	107.13	-254.68	-151.65	-17.94	-3.46	CO2
		P_y	257.20	112.97	-270.72	-153.11	-13.41	-3.72	CO5
			220.59	104.99	-235.28	-150.00	-7.43	-3.40	CO1
		P_z	220.59	104.99	-235.28	-150.00	-7.43	-3.40	CO1
			257.20	112.97	-270.72	-153.11	-13.41	-3.72	CO5
		M_x	220.59	104.99	-235.28	-150.00	-7.43	-3.40	CO1
			237.97	111.71	-269.87	-153.12	-16.97	-3.66	CO3
		M_y	267.63	111.32	-257.66	-151.58	-6.09	-3.66	CO4
			203.82	107.13	-254.68	-151.65	-17.94	-3.46	CO2
		M_z	220.59	104.99	-235.28	-150.00	-7.43	-3.40	CO1
			257.20	112.97	-270.72	-153.11	-13.41	-3.72	CO5
Extremes			267.63	112.97	-235.28	-150.00	-6.09	-3.40	
593			203.82	104.99	-270.72	-153.12	-17.94	-3.72	
607	ULS DS1	P_x	-0.04	-5.55	-285.94	18.27	-3.59	-1.22	CO2
			-0.73	-5.38	-298.48	17.65	-5.08	-1.08	CO4
		P_y	-0.40	-4.94	-274.20	15.51	-4.23	-1.11	CO1
			-0.27	-5.86	-302.91	19.76	-4.20	-1.20	CO3
		P_z	-0.40	-4.94	-274.20	15.51	-4.23	-1.11	CO1
			-0.48	-5.80	-306.67	19.57	-4.65	-1.16	CO5
		M_x	-0.27	-5.86	-302.91	19.76	-4.20	-1.20	CO3
			-0.40	-4.94	-274.20	15.51	-4.23	-1.11	CO1

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
607		M_y	-0.04	-5.55	-285.94	18.27	-3.59	-1.22	CO2
			-0.73	-5.38	-298.48	17.65	-5.08	-1.08	CO4
		M_z	-0.73	-5.38	-298.48	17.65	-5.08	-1.08	CO4
			-0.04	-5.55	-285.94	18.27	-3.59	-1.22	CO2
Extremes			-0.04	-4.94	-274.20	19.76	-3.59	-1.08	
607			-0.73	-5.86	-306.67	15.51	-5.08	-1.22	
687	ULS DS1	P_x	-53.09	34.37	-274.72	0.00	0.00	-0.50	CO1
			-56.57	47.70	-292.82	0.00	0.00	-0.45	CO3
		P_y	-56.57	47.70	-292.82	0.00	0.00	-0.45	CO3
			-53.09	34.37	-274.72	0.00	0.00	-0.50	CO1
		P_z	-53.09	34.37	-274.72	0.00	0.00	-0.50	CO1
			-55.89	45.48	-293.60	0.00	0.00	-0.47	CO5
		M_x	-53.09	34.37	-274.72	0.00	0.00	-0.50	CO1
			-53.09	34.37	-274.72	0.00	0.00	-0.50	CO1
		M_y	-53.09	34.37	-274.72	0.00	0.00	-0.50	CO1
			-53.09	34.37	-274.72	0.00	0.00	-0.50	CO1
		M_z	-56.04	45.19	-284.31	0.00	0.00	-0.44	CO2
			-53.80	37.82	-286.92	0.00	0.00	-0.50	CO4
Extremes			-53.09	47.70	-274.72	0.00	0.00	-0.44	
687			-56.57	34.37	-293.60	0.00	0.00	-0.50	
688	ULS DS1	P_x	-32.47	-42.90	-277.82	0.00	0.00	5.11	CO4
			-46.85	-43.54	-274.08	0.00	0.00	4.96	CO2
		P_y	-37.87	-42.84	-267.21	0.00	0.00	5.08	CO1
			-43.10	-43.57	-281.49	0.00	0.00	4.98	CO3
		P_z	-37.87	-42.84	-267.21	0.00	0.00	5.08	CO1
			-38.79	-43.37	-282.61	0.00	0.00	5.03	CO5
		M_x	-37.87	-42.84	-267.21	0.00	0.00	5.08	CO1
			-37.87	-42.84	-267.21	0.00	0.00	5.08	CO1
		M_y	-37.87	-42.84	-267.21	0.00	0.00	5.08	CO1
			-37.87	-42.84	-267.21	0.00	0.00	5.08	CO1
		M_z	-32.47	-42.90	-277.82	0.00	0.00	5.11	CO4
			-46.85	-43.54	-274.08	0.00	0.00	4.96	CO2
Extremes			-32.47	-42.84	-267.21	0.00	0.00	5.11	
688			-46.85	-43.57	-282.61	0.00	0.00	4.96	
689	ULS DS1	P_x	1.85	-56.41	-287.65	0.00	0.00	0.89	CO4
			-3.19	-56.51	-285.30	0.00	0.00	0.78	CO2
		P_y	-1.63	-56.40	-276.68	0.00	0.00	0.87	CO1
			-0.79	-56.52	-292.96	0.00	0.00	0.80	CO3
		P_z	-1.63	-56.40	-276.68	0.00	0.00	0.87	CO1
			0.72	-56.49	-293.66	0.00	0.00	0.83	CO5
		M_x	-1.63	-56.40	-276.68	0.00	0.00	0.87	CO1
			-1.63	-56.40	-276.68	0.00	0.00	0.87	CO1
		M_y	-1.63	-56.40	-276.68	0.00	0.00	0.87	CO1
			-1.63	-56.40	-276.68	0.00	0.00	0.87	CO1
		M_z	1.85	-56.41	-287.65	0.00	0.00	0.89	CO4
			-3.19	-56.51	-285.30	0.00	0.00	0.78	CO2
Extremes			1.85	-56.40	-276.68	0.00	0.00	0.89	
689			-3.19	-56.52	-293.66	0.00	0.00	0.78	
690	ULS DS1	P_x	25.79	-56.64	-305.12	0.00	0.00	-0.51	CO3
			19.49	-56.60	-286.69	0.00	0.00	-0.49	CO1
		P_y	20.34	-56.59	-297.99	0.00	0.00	-0.46	CO4
			25.22	-56.64	-297.21	0.00	0.00	-0.53	CO2
		P_z	19.49	-56.60	-286.69	0.00	0.00	-0.49	CO1
			24.32	-56.62	-305.35	0.00	0.00	-0.49	CO5
		M_x	19.49	-56.60	-286.69	0.00	0.00	-0.49	CO1
			19.49	-56.60	-286.69	0.00	0.00	-0.49	CO1
		M_y	19.49	-56.60	-286.69	0.00	0.00	-0.49	CO1
			19.49	-56.60	-286.69	0.00	0.00	-0.49	CO1
		M_z	20.34	-56.59	-297.99	0.00	0.00	-0.46	CO4
			25.22	-56.64	-297.21	0.00	0.00	-0.53	CO2
Extremes			25.79	-56.59	-286.69	0.00	0.00	-0.46	
690			19.49	-56.64	-305.35	0.00	0.00	-0.53	
691	ULS DS1	P_x	111.25	-41.36	-317.59	0.00	0.00	-4.82	CO3
			89.89	-41.33	-296.93	0.00	0.00	-4.83	CO1
		P_y	107.50	-41.19	-309.47	0.00	0.00	-4.90	CO2
			95.38	-41.56	-308.54	0.00	0.00	-4.71	CO4
		P_z	89.89	-41.33	-296.93	0.00	0.00	-4.83	CO1
			111.25	-41.36	-317.59	0.00	0.00	-4.82	CO3
		M_x	89.89	-41.33	-296.93	0.00	0.00	-4.83	CO1
			89.89	-41.33	-296.93	0.00	0.00	-4.83	CO1
		M_y	89.89	-41.33	-296.93	0.00	0.00	-4.83	CO1
			89.89	-41.33	-296.93	0.00	0.00	-4.83	CO1

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
691		M_z	95.38	-41.56	-308.54	0.00	0.00	-4.71	CO4
			107.50	-41.19	-309.47	0.00	0.00	-4.90	CO2
Extremes			111.25	-41.19	-296.93	0.00	0.00	-4.71	
691			89.89	-41.56	-317.59	0.00	0.00	-4.90	
692	ULS DS1	P_x	169.82	-14.15	-338.63	0.00	0.00	3.05	CO2
			128.15	-14.54	-333.06	0.00	0.00	3.09	CO4
		P_y	165.14	-13.94	-347.03	0.00	0.00	3.40	CO3
			134.64	-14.85	-321.04	0.00	0.00	2.59	CO1
		P_z	134.64	-14.85	-321.04	0.00	0.00	2.59	CO1
			165.14	-13.94	-347.03	0.00	0.00	3.40	CO3
		M_x	134.64	-14.85	-321.04	0.00	0.00	2.59	CO1
			134.64	-14.85	-321.04	0.00	0.00	2.59	CO1
		M_y	134.64	-14.85	-321.04	0.00	0.00	2.59	CO1
			134.64	-14.85	-321.04	0.00	0.00	2.59	CO1
		M_z	152.62	-14.06	-345.36	0.00	0.00	3.41	CO5
			134.64	-14.85	-321.04	0.00	0.00	2.59	CO1
Extremes			169.82	-13.94	-321.04	0.00	0.00	3.41	
692			128.15	-14.85	-347.03	0.00	0.00	2.59	
693	ULS DS1	P_x	21.43	16.10	-356.20	0.00	0.00	-1.43	CO2
			1.54	16.59	-345.61	0.00	0.00	-1.51	CO4
		P_y	6.49	20.06	-360.68	0.00	0.00	-1.67	CO5
			14.22	11.15	-334.63	0.00	0.00	-1.20	CO1
		P_z	14.22	11.15	-334.63	0.00	0.00	-1.20	CO1
			12.47	19.91	-363.86	0.00	0.00	-1.65	CO3
		M_x	14.22	11.15	-334.63	0.00	0.00	-1.20	CO1
			14.22	11.15	-334.63	0.00	0.00	-1.20	CO1
		M_y	14.22	11.15	-334.63	0.00	0.00	-1.20	CO1
			14.22	11.15	-334.63	0.00	0.00	-1.20	CO1
		M_z	14.22	11.15	-334.63	0.00	0.00	-1.20	CO1
			6.49	20.06	-360.68	0.00	0.00	-1.67	CO5
Extremes			21.43	20.06	-334.63	0.00	0.00	-1.20	
693			1.54	11.15	-363.86	0.00	0.00	-1.67	
694	ULS DS1	P_x	-11.31	-50.72	-357.35	0.00	0.00	-3.22	CO2
			-31.10	-50.45	-345.06	0.00	0.00	-3.15	CO4
		P_y	-17.00	-49.90	-334.69	0.00	0.00	-2.84	CO1
			-21.31	-51.11	-364.60	0.00	0.00	-3.44	CO3
		P_z	-17.00	-49.90	-334.69	0.00	0.00	-2.84	CO1
			-21.31	-51.11	-364.60	0.00	0.00	-3.44	CO3
		M_x	-17.00	-49.90	-334.69	0.00	0.00	-2.84	CO1
			-17.00	-49.90	-334.69	0.00	0.00	-2.84	CO1
		M_y	-17.00	-49.90	-334.69	0.00	0.00	-2.84	CO1
			-17.00	-49.90	-334.69	0.00	0.00	-2.84	CO1
		M_z	-17.00	-49.90	-334.69	0.00	0.00	-2.84	CO1
			-21.31	-51.11	-364.60	0.00	0.00	-3.44	CO3
Extremes			-11.31	-49.90	-334.69	0.00	0.00	-2.84	
694			-31.10	-51.11	-364.60	0.00	0.00	-3.44	
695	ULS DS1	P_x	12.34	-43.42	-358.96	0.00	0.00	-0.19	CO2
			0.47	-43.25	-345.00	0.00	0.00	-0.19	CO4
		P_y	0.47	-43.25	-345.00	0.00	0.00	-0.19	CO4
			12.34	-43.42	-358.96	0.00	0.00	-0.19	CO2
		P_z	7.88	-43.41	-335.18	0.00	0.00	-0.18	CO1
			6.99	-43.30	-365.84	0.00	0.00	-0.20	CO3
		M_x	7.88	-43.41	-335.18	0.00	0.00	-0.18	CO1
			7.88	-43.41	-335.18	0.00	0.00	-0.18	CO1
		M_y	7.88	-43.41	-335.18	0.00	0.00	-0.18	CO1
			7.88	-43.41	-335.18	0.00	0.00	-0.18	CO1
		M_z	7.88	-43.41	-335.18	0.00	0.00	-0.18	CO1
			3.41	-43.25	-361.65	0.00	0.00	-0.20	CO5
Extremes			12.34	-43.25	-335.18	0.00	0.00	-0.18	
695			0.47	-43.42	-365.84	0.00	0.00	-0.20	
696	ULS DS1	P_x	6.90	-44.50	-345.17	0.00	0.00	-0.33	CO4
			2.73	-44.76	-360.60	0.00	0.00	-0.33	CO2
		P_y	6.90	-44.50	-345.17	0.00	0.00	-0.33	CO4
			2.73	-44.76	-360.60	0.00	0.00	-0.33	CO2
		P_z	5.57	-44.54	-335.77	0.00	0.00	-0.32	CO1
			3.50	-44.73	-367.20	0.00	0.00	-0.34	CO3
		M_x	5.57	-44.54	-335.77	0.00	0.00	-0.32	CO1
			5.57	-44.54	-335.77	0.00	0.00	-0.32	CO1
		M_y	5.57	-44.54	-335.77	0.00	0.00	-0.32	CO1
			5.57	-44.54	-335.77	0.00	0.00	-0.32	CO1
		M_z	5.57	-44.54	-335.77	0.00	0.00	-0.32	CO1
			4.73	-44.65	-362.56	0.00	0.00	-0.34	CO5

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
Extremes			6.90	-44.50	-335.77	0.00	0.00	-0.32	
696			2.73	-44.76	-367.20	0.00	0.00	-0.34	
697	ULS DS1	P_x	-14.41	-44.57	-345.64	0.00	0.00	-0.26	CO4
			-34.61	-44.93	-362.32	0.00	0.00	-0.27	CO2
		P_y	-23.02	-44.52	-336.54	0.00	0.00	-0.25	CO1
			-28.72	-44.96	-368.72	0.00	0.00	-0.27	CO3
		P_z	-23.02	-44.52	-336.54	0.00	0.00	-0.25	CO1
			-28.72	-44.96	-368.72	0.00	0.00	-0.27	CO3
		M_x	-23.02	-44.52	-336.54	0.00	0.00	-0.25	CO1
			-23.02	-44.52	-336.54	0.00	0.00	-0.25	CO1
		M_y	-23.02	-44.52	-336.54	0.00	0.00	-0.25	CO1
			-23.02	-44.52	-336.54	0.00	0.00	-0.25	CO1
		M_z	-23.02	-44.52	-336.54	0.00	0.00	-0.25	CO1
			-28.72	-44.96	-368.72	0.00	0.00	-0.27	CO3
Extremes			-14.41	-44.52	-336.54	0.00	0.00	-0.25	
697			-34.61	-44.96	-368.72	0.00	0.00	-0.27	
698	ULS DS1	P_x	-41.64	-39.60	-346.39	0.00	0.00	-0.63	CO4
			-71.65	-39.83	-364.14	0.00	0.00	-0.70	CO2
		P_y	-53.06	-39.54	-337.47	0.00	0.00	-0.61	CO1
			-63.76	-39.86	-370.42	0.00	0.00	-0.72	CO3
		P_z	-53.06	-39.54	-337.47	0.00	0.00	-0.61	CO1
			-63.76	-39.86	-370.42	0.00	0.00	-0.72	CO3
		M_x	-53.06	-39.54	-337.47	0.00	0.00	-0.61	CO1
			-53.06	-39.54	-337.47	0.00	0.00	-0.61	CO1
		M_y	-53.06	-39.54	-337.47	0.00	0.00	-0.61	CO1
			-53.06	-39.54	-337.47	0.00	0.00	-0.61	CO1
		M_z	-53.06	-39.54	-337.47	0.00	0.00	-0.61	CO1
			-63.76	-39.86	-370.42	0.00	0.00	-0.72	CO3
Extremes			-41.64	-39.54	-337.47	0.00	0.00	-0.61	
698			-71.65	-39.86	-370.42	0.00	0.00	-0.72	
699	ULS DS1	P_x	-38.72	-43.23	-347.43	0.00	0.00	3.50	CO4
			-62.06	-43.14	-366.22	0.00	0.00	3.53	CO2
		P_y	-55.26	-43.11	-372.42	0.00	0.00	3.52	CO3
			-48.54	-43.26	-338.65	0.00	0.00	3.51	CO1
		P_z	-48.54	-43.26	-338.65	0.00	0.00	3.51	CO1
			-55.26	-43.11	-372.42	0.00	0.00	3.52	CO3
		M_x	-48.54	-43.26	-338.65	0.00	0.00	3.51	CO1
			-48.54	-43.26	-338.65	0.00	0.00	3.51	CO1
		M_y	-48.54	-43.26	-338.65	0.00	0.00	3.51	CO1
			-48.54	-43.26	-338.65	0.00	0.00	3.51	CO1
		M_z	-62.06	-43.14	-366.22	0.00	0.00	3.53	CO2
			-38.72	-43.23	-347.43	0.00	0.00	3.50	CO4
Extremes			-38.72	-43.11	-338.65	0.00	0.00	3.53	
699			-62.06	-43.26	-372.42	0.00	0.00	3.50	
700	ULS DS1	P_x	168.46	-39.89	-381.70	0.00	0.00	4.81	CO3
			151.07	-39.79	-345.57	0.00	0.00	4.59	CO1
		P_y	165.34	-39.73	-375.64	0.00	0.00	4.85	CO2
			155.53	-40.02	-354.11	0.00	0.00	4.53	CO4
		P_z	151.07	-39.79	-345.57	0.00	0.00	4.59	CO1
			168.46	-39.89	-381.70	0.00	0.00	4.81	CO3
		M_x	151.07	-39.79	-345.57	0.00	0.00	4.59	CO1
			151.07	-39.79	-345.57	0.00	0.00	4.59	CO1
		M_y	151.07	-39.79	-345.57	0.00	0.00	4.59	CO1
			151.07	-39.79	-345.57	0.00	0.00	4.59	CO1
		M_z	165.34	-39.73	-375.64	0.00	0.00	4.85	CO2
			155.53	-40.02	-354.11	0.00	0.00	4.53	CO4
Extremes			168.46	-39.73	-345.57	0.00	0.00	4.85	
700			151.07	-40.02	-381.70	0.00	0.00	4.53	
703	ULS DS1	P_x	28.48	390.12	-401.89	0.00	0.00	0.30	CO4
			27.80	418.17	-429.59	0.00	0.00	0.23	CO2
		P_y	27.92	423.61	-438.03	0.00	0.00	0.18	CO3
			28.31	382.59	-389.96	0.00	0.00	0.37	CO1
		P_z	28.31	382.59	-389.96	0.00	0.00	0.37	CO1
			27.92	423.61	-438.03	0.00	0.00	0.18	CO3
		M_x	28.31	382.59	-389.96	0.00	0.00	0.37	CO1
			28.31	382.59	-389.96	0.00	0.00	0.37	CO1
		M_y	28.31	382.59	-389.96	0.00	0.00	0.37	CO1
			28.31	382.59	-389.96	0.00	0.00	0.37	CO1
		M_z	28.31	382.59	-389.96	0.00	0.00	0.37	CO1
			27.92	423.61	-438.03	0.00	0.00	0.18	CO3
Extremes			28.48	423.61	-389.96	0.00	0.00	0.37	
703			27.80	382.59	-438.03	0.00	0.00	0.18	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
704	ULS DS1	P_x	27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
			26.31	315.07	-443.67	0.00	0.00	-0.18	CO3
		P_y	26.31	315.07	-443.67	0.00	0.00	-0.18	CO3
			27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
		P_z	27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
			26.31	315.07	-443.67	0.00	0.00	-0.18	CO3
		M_x	27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
			27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
		M_y	27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
			27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
		M_z	27.38	296.87	-392.35	0.00	0.00	-0.10	CO1
			26.31	315.07	-443.67	0.00	0.00	-0.18	CO3
Extremes			27.38	315.07	-392.35	0.00	0.00	-0.10	
704			26.31	296.87	-443.67	0.00	0.00	-0.18	
705	ULS DS1	P_x	40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
			40.09	-220.84	-439.97	0.00	0.00	2.80	CO3
		P_y	40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
			40.09	-220.84	-439.97	0.00	0.00	2.80	CO3
		P_z	40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
			40.09	-220.84	-439.97	0.00	0.00	2.80	CO3
		M_x	40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
			40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
		M_y	40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
			40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
		M_z	40.09	-220.84	-439.97	0.00	0.00	2.80	CO3
			40.94	-143.56	-384.51	0.00	0.00	2.49	CO1
Extremes			40.94	-143.56	-384.51	0.00	0.00	2.80	
705			40.09	-220.84	-439.97	0.00	0.00	2.49	
706	ULS DS1	P_x	46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
			46.25	-148.52	-431.88	0.00	0.00	0.40	CO3
		P_y	46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
			46.25	-148.52	-431.88	0.00	0.00	0.40	CO3
		P_z	46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
			46.25	-148.52	-431.88	0.00	0.00	0.40	CO3
		M_x	46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
			46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
		M_y	46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
			46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
		M_z	46.25	-148.52	-431.88	0.00	0.00	0.40	CO3
			46.29	-90.64	-375.11	0.00	0.00	0.36	CO1
Extremes			46.29	-90.64	-375.11	0.00	0.00	0.40	
706			46.25	-148.52	-431.88	0.00	0.00	0.36	
709	ULS DS1	P_x	35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
			34.93	-48.14	-422.65	0.00	0.00	-2.56	CO3
		P_y	35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
			34.93	-48.14	-422.65	0.00	0.00	-2.56	CO3
		P_z	35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
			34.93	-48.14	-422.65	0.00	0.00	-2.56	CO3
		M_x	35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
			35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
		M_y	35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
			35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
		M_z	34.93	-48.14	-422.65	0.00	0.00	-2.56	CO3
			35.10	-25.51	-364.47	0.00	0.00	-2.59	CO1
Extremes			35.10	-25.51	-364.47	0.00	0.00	-2.56	
709			34.93	-48.14	-422.65	0.00	0.00	-2.59	
710	ULS DS1	P_x	134.71	41.35	-351.82	0.00	0.00	3.16	CO1
			109.82	41.46	-410.16	0.00	0.00	3.20	CO3
		P_y	117.96	41.46	-395.25	0.00	0.00	3.20	CO2
			123.24	41.35	-373.21	0.00	0.00	3.15	CO4
		P_z	134.71	41.35	-351.82	0.00	0.00	3.16	CO1
			109.82	41.46	-410.16	0.00	0.00	3.20	CO3
		M_x	134.71	41.35	-351.82	0.00	0.00	3.16	CO1
			134.71	41.35	-351.82	0.00	0.00	3.16	CO1
		M_y	134.71	41.35	-351.82	0.00	0.00	3.16	CO1
			134.71	41.35	-351.82	0.00	0.00	3.16	CO1
		M_z	117.96	41.46	-395.25	0.00	0.00	3.20	CO2
			123.24	41.35	-373.21	0.00	0.00	3.15	CO4
Extremes			134.71	41.46	-351.82	0.00	0.00	3.20	
710			109.82	41.35	-410.16	0.00	0.00	3.15	
711	ULS DS1	P_x	196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
			176.20	42.56	-400.58	0.00	0.00	-2.87	CO5

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
711		P_y	177.07	42.57	-406.70	0.00	0.00	-2.90	CO3
			196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
		P_z	196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
			177.07	42.57	-406.70	0.00	0.00	-2.90	CO3
		M_x	196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
			196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
		M_y	196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
			196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
		M_z	176.20	42.56	-400.58	0.00	0.00	-2.87	CO5
			196.12	42.08	-349.63	0.00	0.00	-2.96	CO1
Extremes			196.12	42.57	-349.63	0.00	0.00	-2.87	
711			176.20	42.08	-406.70	0.00	0.00	-2.96	
717	ULS DS1	P_x	252.39	36.04	-277.48	0.00	0.00	0.02	CO5
			216.67	34.36	-261.17	0.00	0.00	0.01	CO2
		P_y	252.39	36.04	-277.48	0.00	0.00	0.02	CO5
			218.99	33.93	-240.52	0.00	0.00	0.01	CO1
		P_z	218.99	33.93	-240.52	0.00	0.00	0.01	CO1
			252.39	36.04	-277.48	0.00	0.00	0.02	CO5
		M_x	218.99	33.93	-240.52	0.00	0.00	0.01	CO1
			218.99	33.93	-240.52	0.00	0.00	0.01	CO1
		M_y	218.99	33.93	-240.52	0.00	0.00	0.01	CO1
			218.99	33.93	-240.52	0.00	0.00	0.01	CO1
		M_z	252.39	36.04	-277.48	0.00	0.00	0.02	CO5
			216.67	34.36	-261.17	0.00	0.00	0.01	CO2
Extremes			252.39	36.04	-240.52	0.00	0.00	0.02	
717			216.67	33.93	-277.48	0.00	0.00	0.01	
718	ULS DS1	P_x	249.88	35.58	-292.86	0.00	0.00	0.29	CO5
			229.40	33.93	-252.76	0.00	0.00	0.21	CO1
		P_y	249.88	35.58	-292.86	0.00	0.00	0.29	CO5
			229.40	33.93	-252.76	0.00	0.00	0.21	CO1
		P_z	229.40	33.93	-252.76	0.00	0.00	0.21	CO1
			249.88	35.58	-292.86	0.00	0.00	0.29	CO5
		M_x	229.40	33.93	-252.76	0.00	0.00	0.21	CO1
			229.40	33.93	-252.76	0.00	0.00	0.21	CO1
		M_y	229.40	33.93	-252.76	0.00	0.00	0.21	CO1
			229.40	33.93	-252.76	0.00	0.00	0.21	CO1
		M_z	247.80	35.34	-276.81	0.00	0.00	0.29	CO4
			229.40	33.93	-252.76	0.00	0.00	0.21	CO1
Extremes			249.88	35.58	-252.76	0.00	0.00	0.29	
718			229.40	33.93	-292.86	0.00	0.00	0.21	
719	ULS DS1	P_x	282.17	32.61	-293.87	0.00	0.00	0.24	CO2
			271.56	33.59	-291.52	0.00	0.00	0.17	CO4
		P_y	278.85	33.90	-310.07	0.00	0.00	0.15	CO5
			272.87	32.13	-266.88	0.00	0.00	0.27	CO1
		P_z	272.87	32.13	-266.88	0.00	0.00	0.27	CO1
			281.98	33.61	-310.80	0.00	0.00	0.17	CO3
		M_x	272.87	32.13	-266.88	0.00	0.00	0.27	CO1
			272.87	32.13	-266.88	0.00	0.00	0.27	CO1
		M_y	272.87	32.13	-266.88	0.00	0.00	0.27	CO1
			272.87	32.13	-266.88	0.00	0.00	0.27	CO1
		M_z	272.87	32.13	-266.88	0.00	0.00	0.27	CO1
			278.85	33.90	-310.07	0.00	0.00	0.15	CO5
Extremes			282.17	33.90	-266.88	0.00	0.00	0.27	
719			271.56	32.13	-310.80	0.00	0.00	0.15	
720	ULS DS1	P_x	360.63	31.05	-314.42	0.00	0.00	0.26	CO2
			319.11	32.43	-307.90	0.00	0.00	0.23	CO4
		P_y	337.63	32.78	-329.53	0.00	0.00	0.24	CO5
			334.55	30.52	-283.15	0.00	0.00	0.25	CO1
		P_z	334.55	30.52	-283.15	0.00	0.00	0.25	CO1
			350.06	32.37	-331.50	0.00	0.00	0.25	CO3
		M_x	334.55	30.52	-283.15	0.00	0.00	0.25	CO1
			334.55	30.52	-283.15	0.00	0.00	0.25	CO1
		M_y	334.55	30.52	-283.15	0.00	0.00	0.25	CO1
			334.55	30.52	-283.15	0.00	0.00	0.25	CO1
		M_z	360.63	31.05	-314.42	0.00	0.00	0.26	CO2
			319.11	32.43	-307.90	0.00	0.00	0.23	CO4
Extremes			360.63	32.78	-283.15	0.00	0.00	0.26	
720			319.11	30.52	-331.50	0.00	0.00	0.23	
721	ULS DS1	P_x	383.54	42.72	-337.67	0.00	0.00	-0.69	CO2
			291.58	43.72	-325.14	0.00	0.00	-0.53	CO4
		P_y	334.80	43.73	-350.78	0.00	0.00	-0.45	CO5
			322.09	42.68	-300.76	0.00	0.00	-0.82	CO1

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
721		P_z	322.09	42.68	-300.76	0.00	0.00	-0.82	CO1
			362.39	43.43	-354.55	0.00	0.00	-0.49	CO3
		M_x	322.09	42.68	-300.76	0.00	0.00	-0.82	CO1
			322.09	42.68	-300.76	0.00	0.00	-0.82	CO1
		M_y	322.09	42.68	-300.76	0.00	0.00	-0.82	CO1
			322.09	42.68	-300.76	0.00	0.00	-0.82	CO1
		M_z	334.80	43.73	-350.78	0.00	0.00	-0.45	CO5
			322.09	42.68	-300.76	0.00	0.00	-0.82	CO1
Extremes			383.54	43.73	-300.76	0.00	0.00	-0.45	
721			291.58	42.68	-354.55	0.00	0.00	-0.82	
747	ULS DS1	P_x	-344.10	-6.13	-388.06	2.80	4.96	-1.18	CO1
			-432.55	-7.83	-442.54	5.04	8.58	-1.57	CO3
		P_y	-344.10	-6.13	-388.06	2.80	4.96	-1.18	CO1
			-432.55	-7.83	-442.54	5.04	8.58	-1.57	CO3
		P_z	-344.10	-6.13	-388.06	2.80	4.96	-1.18	CO1
			-432.55	-7.83	-442.54	5.04	8.58	-1.57	CO3
		M_x	-432.55	-7.83	-442.54	5.04	8.58	-1.57	CO3
			-344.10	-6.13	-388.06	2.80	4.96	-1.18	CO1
		M_y	-369.22	-6.71	-404.47	3.82	10.36	-1.33	CO4
			-414.58	-7.42	-431.03	4.34	4.92	-1.47	CO2
		M_z	-344.10	-6.13	-388.06	2.80	4.96	-1.18	CO1
			-432.55	-7.83	-442.54	5.04	8.58	-1.57	CO3
Extremes			-344.10	-6.13	-388.06	5.04	10.36	-1.18	
747			-432.55	-7.83	-442.54	2.80	4.92	-1.57	
749	ULS DS1	P_x	0.79	227.29	-349.08	0.00	0.00	-0.33	CO2
			0.55	215.16	-344.78	0.00	0.00	-0.15	CO4
		P_y	0.78	236.13	-361.56	0.00	0.00	-0.32	CO3
			0.56	202.46	-326.91	0.00	0.00	-0.15	CO1
		P_z	0.56	202.46	-326.91	0.00	0.00	-0.15	CO1
			0.78	236.13	-361.56	0.00	0.00	-0.32	CO3
		M_x	0.56	202.46	-326.91	0.00	0.00	-0.15	CO1
			0.56	202.46	-326.91	0.00	0.00	-0.15	CO1
		M_y	0.56	202.46	-326.91	0.00	0.00	-0.15	CO1
			0.56	202.46	-326.91	0.00	0.00	-0.15	CO1
		M_z	0.55	215.16	-344.78	0.00	0.00	-0.15	CO4
			0.79	227.29	-349.08	0.00	0.00	-0.33	CO2
Extremes			0.79	236.13	-326.91	0.00	0.00	-0.15	
749			0.55	202.46	-361.56	0.00	0.00	-0.33	
750	ULS DS1	P_x	0.67	73.41	-371.93	0.00	0.00	-0.71	CO2
			0.46	84.19	-362.13	0.00	0.00	-0.54	CO4
		P_y	0.60	87.17	-381.36	0.00	0.00	-0.65	CO5
			0.46	69.14	-344.42	0.00	0.00	-0.55	CO1
		P_z	0.46	69.14	-344.42	0.00	0.00	-0.55	CO1
			0.66	83.95	-384.31	0.00	0.00	-0.71	CO3
		M_x	0.46	69.14	-344.42	0.00	0.00	-0.55	CO1
			0.46	69.14	-344.42	0.00	0.00	-0.55	CO1
		M_y	0.46	69.14	-344.42	0.00	0.00	-0.55	CO1
			0.46	69.14	-344.42	0.00	0.00	-0.55	CO1
		M_z	0.46	84.19	-362.13	0.00	0.00	-0.54	CO4
			0.67	73.41	-371.93	0.00	0.00	-0.71	CO2
Extremes			0.67	87.17	-344.42	0.00	0.00	-0.54	
750			0.46	69.14	-384.31	0.00	0.00	-0.71	
751	ULS DS1	P_x	53.71	1.41	-320.01	0.00	0.00	0.85	CO5
			26.56	1.55	-290.83	0.00	0.00	0.80	CO1
		P_y	40.95	1.61	-308.80	0.00	0.00	0.85	CO2
			43.76	1.37	-307.55	0.00	0.00	0.82	CO4
		P_z	26.56	1.55	-290.83	0.00	0.00	0.80	CO1
			52.89	1.49	-320.40	0.00	0.00	0.86	CO3
		M_x	26.56	1.55	-290.83	0.00	0.00	0.80	CO1
			26.56	1.55	-290.83	0.00	0.00	0.80	CO1
		M_y	26.56	1.55	-290.83	0.00	0.00	0.80	CO1
			26.56	1.55	-290.83	0.00	0.00	0.80	CO1
		M_z	52.89	1.49	-320.40	0.00	0.00	0.86	CO3
			26.56	1.55	-290.83	0.00	0.00	0.80	CO1
Extremes			53.71	1.61	-290.83	0.00	0.00	0.86	
751			26.56	1.37	-320.40	0.00	0.00	0.80	
752	ULS DS1	P_x	67.35	0.65	-342.53	0.00	0.00	-0.14	CO5
			49.00	0.76	-305.95	0.00	0.00	-0.07	CO1
		P_y	59.41	0.78	-328.72	0.00	0.00	-0.10	CO2
			60.31	0.64	-326.68	0.00	0.00	-0.12	CO4
		P_z	49.00	0.76	-305.95	0.00	0.00	-0.07	CO1
			67.09	0.70	-343.16	0.00	0.00	-0.13	CO3

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
752		M_x	49.00	0.76	-305.95	0.00	0.00	-0.07	CO1
			49.00	0.76	-305.95	0.00	0.00	-0.07	CO1
		M_y	49.00	0.76	-305.95	0.00	0.00	-0.07	CO1
			49.00	0.76	-305.95	0.00	0.00	-0.07	CO1
		M_z	49.00	0.76	-305.95	0.00	0.00	-0.07	CO1
			67.35	0.65	-342.53	0.00	0.00	-0.14	CO5
Extremes			67.35	0.78	-305.95	0.00	0.00	-0.07	
752			49.00	0.64	-343.16	0.00	0.00	-0.14	
753	ULS DS1	P_x	56.20	-0.26	-370.77	0.00	0.00	0.27	CO2
			45.16	-0.24	-361.07	0.00	0.00	0.26	CO4
		P_y	45.42	-0.20	-339.06	0.00	0.00	0.30	CO1
			55.77	-0.29	-386.16	0.00	0.00	0.25	CO3
		P_z	45.42	-0.20	-339.06	0.00	0.00	0.30	CO1
			55.77	-0.29	-386.16	0.00	0.00	0.25	CO3
		M_x	45.42	-0.20	-339.06	0.00	0.00	0.30	CO1
			45.42	-0.20	-339.06	0.00	0.00	0.30	CO1
		M_y	45.42	-0.20	-339.06	0.00	0.00	0.30	CO1
			45.42	-0.20	-339.06	0.00	0.00	0.30	CO1
		M_z	45.42	-0.20	-339.06	0.00	0.00	0.30	CO1
			52.43	-0.28	-383.24	0.00	0.00	0.25	CO5
Extremes			56.20	-0.20	-339.06	0.00	0.00	0.30	
753			45.16	-0.29	-386.16	0.00	0.00	0.25	
754	ULS DS1	P_x	4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
			-4.60	-0.57	-396.87	0.00	0.00	-0.08	CO5
		P_y	4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
			-2.22	-0.58	-401.22	0.00	0.00	-0.08	CO3
		P_z	4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
			-2.22	-0.58	-401.22	0.00	0.00	-0.08	CO3
		M_x	4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
			4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
		M_y	4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
			4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
		M_z	-4.60	-0.57	-396.87	0.00	0.00	-0.08	CO5
			4.45	-0.53	-351.16	0.00	0.00	-0.08	CO1
Extremes			4.45	-0.53	-351.16	0.00	0.00	-0.08	
754			-4.60	-0.58	-401.22	0.00	0.00	-0.08	
772	ULS DS1	P_x	55.29	78.29	-301.13	-376.23	15.50	2.00	CO3
			31.86	82.50	-280.07	-397.34	-3.25	1.99	CO1
		P_y	31.86	82.50	-280.07	-397.34	-3.25	1.99	CO1
			49.46	77.35	-295.17	-371.38	12.61	2.01	CO5
		P_z	31.86	82.50	-280.07	-397.34	-3.25	1.99	CO1
			55.29	78.29	-301.13	-376.23	15.50	2.00	CO3
		M_x	49.46	77.35	-295.17	-371.38	12.61	2.01	CO5
			31.86	82.50	-280.07	-397.34	-3.25	1.99	CO1
		M_y	55.29	78.29	-301.13	-376.23	15.50	2.00	CO3
			31.86	82.50	-280.07	-397.34	-3.25	1.99	CO1
		M_z	34.29	78.10	-280.80	-374.99	2.51	2.02	CO4
			53.67	81.24	-300.66	-391.28	11.95	1.97	CO2
Extremes			55.29	82.50	-280.07	-371.38	15.50	2.02	
772			31.86	77.35	-301.13	-397.34	-3.25	1.97	
779	ULS DS1	P_x	44.50	250.67	-378.61	0.00	0.00	-0.58	CO3
			36.30	190.68	-342.10	0.00	0.00	-1.38	CO1
		P_y	44.50	250.67	-378.61	0.00	0.00	-0.58	CO3
			36.30	190.68	-342.10	0.00	0.00	-1.38	CO1
		P_z	36.30	190.68	-342.10	0.00	0.00	-1.38	CO1
			44.50	250.67	-378.61	0.00	0.00	-0.58	CO3
		M_x	36.30	190.68	-342.10	0.00	0.00	-1.38	CO1
			36.30	190.68	-342.10	0.00	0.00	-1.38	CO1
		M_y	36.30	190.68	-342.10	0.00	0.00	-1.38	CO1
			36.30	190.68	-342.10	0.00	0.00	-1.38	CO1
		M_z	43.79	245.21	-372.24	0.00	0.00	-0.39	CO2
			37.32	198.29	-351.09	0.00	0.00	-1.65	CO4
Extremes			44.50	250.67	-342.10	0.00	0.00	-0.39	
779			36.30	190.68	-378.61	0.00	0.00	-1.65	
783	ULS DS1	P_x	89.14	0.26	-328.68	0.00	0.00	0.48	CO5
			78.75	0.30	-295.93	0.00	0.00	0.39	CO1
		P_y	85.44	0.32	-307.08	0.00	0.00	0.40	CO4
			84.09	0.21	-326.79	0.00	0.00	0.50	CO2
		P_z	78.75	0.30	-295.93	0.00	0.00	0.39	CO1
			88.74	0.23	-334.59	0.00	0.00	0.51	CO3
		M_x	78.75	0.30	-295.93	0.00	0.00	0.39	CO1
			78.75	0.30	-295.93	0.00	0.00	0.39	CO1

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
783		M_y	78.75	0.30	-295.93	0.00	0.00	0.39	CO1
			78.75	0.30	-295.93	0.00	0.00	0.39	CO1
		M_z	88.74	0.23	-334.59	0.00	0.00	0.51	CO3
			78.75	0.30	-295.93	0.00	0.00	0.39	CO1
Extremes			89.14	0.32	-295.93	0.00	0.00	0.51	
783			78.75	0.21	-334.59	0.00	0.00	0.39	
785	ULS DS1	P_x	-38.95	318.26	-352.92	0.00	0.00	-11.91	CO4
			-49.79	344.51	-375.75	0.00	0.00	-14.19	CO2
		P_y	-47.08	356.23	-384.44	0.00	0.00	-14.21	CO3
			-42.93	301.79	-340.56	0.00	0.00	-11.90	CO1
		P_z	-42.93	301.79	-340.56	0.00	0.00	-11.90	CO1
			-47.08	356.23	-384.44	0.00	0.00	-14.21	CO3
		M_x	-42.93	301.79	-340.56	0.00	0.00	-11.90	CO1
			-42.93	301.79	-340.56	0.00	0.00	-11.90	CO1
		M_y	-42.93	301.79	-340.56	0.00	0.00	-11.90	CO1
			-42.93	301.79	-340.56	0.00	0.00	-11.90	CO1
		M_z	-42.93	301.79	-340.56	0.00	0.00	-11.90	CO1
			-47.08	356.23	-384.44	0.00	0.00	-14.21	CO3
Extremes			-38.95	356.23	-340.56	0.00	0.00	-11.90	
785			-49.79	301.79	-384.44	0.00	0.00	-14.21	
	Total max/min values with corresponding values								
60	ULS DS1	P_x	393.27	143.06	-326.05	-211.28	-19.73	-2.17	CO2
747			-432.55	-7.83	-442.54	5.04	8.58	-1.57	CO3
703		P_y	27.92	423.61	-438.03	0.00	0.00	0.18	CO3
705			40.09	-220.84	-439.97	0.00	0.00	2.80	CO3
343		P_z	98.89	-2.09	-229.85	-23.11	-13.01	-2.54	CO1
468			-0.13	-8.05	-484.98	0.72	-2.72	-0.67	CO3
20		M_x	-128.18	-10.22	-406.26	193.26	-115.55	11.53	CO3
772			31.86	82.50	-280.07	-397.34	-3.25	1.99	CO1
422		M_y	44.63	217.11	-336.15	-39.25	78.16	0.52	CO3
20			-128.18	-10.22	-406.26	193.26	-115.55	11.53	CO3
322		M_z	-55.75	360.61	-379.94	0.00	0.00	25.38	CO3
71			12.10	401.98	-328.44	-108.18	25.91	-22.53	CO3
20	S Ch DS2	P_x	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO6
			-96.00	-9.08	-297.21	143.57	-83.00	8.99	CO10
		P_y	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO6
			-96.00	-9.08	-297.21	143.57	-83.00	8.99	CO10
		P_z	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO6
			-95.60	-7.70	-302.37	144.04	-86.05	8.59	CO8
		M_x	-95.60	-7.70	-302.37	144.04	-86.05	8.59	CO8
			-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO6
		M_y	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO6
			-95.60	-7.70	-302.37	144.04	-86.05	8.59	CO8
		M_z	-96.00	-9.08	-297.21	143.57	-83.00	8.99	CO10
			-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO6
Extremes			-78.36	-4.31	-263.55	144.04	-73.86	8.99	
20			-96.00	-9.08	-302.37	120.04	-86.05	7.19	
25	S Ch DS2	P_x	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO6
			-199.02	3.94	-309.21	-14.90	-45.91	0.00	CO8
		P_y	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO6
			-199.02	3.94	-309.21	-14.90	-45.91	0.00	CO8
		P_z	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO6
			-199.02	3.94	-309.21	-14.90	-45.91	0.00	CO8
		M_x	-195.15	3.95	-305.34	-14.77	-41.98	0.01	CO10
			-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO6
		M_y	-175.46	4.26	-285.08	-15.64	-34.07	-0.07	CO9
			-188.54	4.22	-297.98	-16.08	-47.22	-0.11	CO7
		M_z	-195.15	3.95	-305.34	-14.77	-41.98	0.01	CO10
			-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO6
Extremes			-161.23	4.68	-269.03	-14.77	-34.07	0.01	
25			-199.02	3.94	-309.21	-17.39	-47.22	-0.21	
32	S Ch DS2	P_x	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO6
			0.02	-0.78	-300.86	-8.06	-32.41	-0.40	CO10
		P_y	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO6
			0.41	-0.83	-303.70	-8.11	-36.02	-0.40	CO8
		P_z	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO6
			0.41	-0.83	-303.70	-8.11	-36.02	-0.40	CO8
		M_x	0.02	-0.78	-300.86	-8.06	-32.41	-0.40	CO10
			3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO6
		M_y	1.14	-0.43	-282.06	-9.05	-25.35	-0.36	CO9
			2.40	-0.60	-291.52	-9.25	-37.42	-0.37	CO7
		M_z	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO6

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
32		M_z	0.41	-0.83	-303.70	-8.11	-36.02	-0.40	CO8
Extremes			3.66	-0.08	-264.64	-8.06	-25.35	-0.32	
32			0.02	-0.83	-303.70	-10.72	-37.42	-0.40	
39	S Ch DS2	P_x	65.27	38.73	-286.37	-46.92	-53.47	0.34	CO8
			55.44	41.43	-251.22	-65.21	-39.10	0.42	CO6
		P_y	56.58	42.68	-268.43	-50.46	-39.12	0.35	CO9
			64.87	37.83	-274.35	-57.20	-53.28	0.40	CO7
		P_z	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO6
			65.27	38.73	-286.37	-46.92	-53.47	0.34	CO8
		M_x	62.75	40.19	-284.59	-44.91	-49.24	0.33	CO10
			55.44	41.43	-251.22	-65.21	-39.10	0.42	CO6
		M_y	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO6
			65.27	38.73	-286.37	-46.92	-53.47	0.34	CO8
		M_z	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO6
			62.75	40.19	-284.59	-44.91	-49.24	0.33	CO10
Extremes			65.27	42.68	-251.22	-44.91	-39.10	0.42	
39			55.44	37.83	-286.37	-65.21	-53.47	0.33	
45	S Ch DS2	P_x	11.86	9.29	-257.22	-24.84	-29.88	0.92	CO9
			9.24	9.84	-259.57	-26.13	-37.90	0.95	CO7
		P_y	9.24	9.84	-259.57	-26.13	-37.90	0.95	CO7
			11.86	9.29	-257.22	-24.84	-29.88	0.92	CO9
		P_z	9.71	9.61	-239.83	-26.80	-28.47	0.85	CO6
			10.46	9.62	-271.69	-24.78	-39.11	1.00	CO8
		M_x	11.23	9.46	-270.97	-24.40	-36.72	0.99	CO10
			9.71	9.61	-239.83	-26.80	-28.47	0.85	CO6
		M_y	9.71	9.61	-239.83	-26.80	-28.47	0.85	CO6
			10.46	9.62	-271.69	-24.78	-39.11	1.00	CO8
		M_z	10.46	9.62	-271.69	-24.78	-39.11	1.00	CO8
			9.71	9.61	-239.83	-26.80	-28.47	0.85	CO6
Extremes			11.86	9.84	-239.83	-24.40	-28.47	1.00	
45			9.24	9.29	-271.69	-26.80	-39.11	0.85	
51	S Ch DS2	P_x	188.63	94.49	-201.14	-119.09	-7.31	-0.55	CO9
			148.76	90.51	-199.93	-117.77	-16.94	-0.56	CO7
		P_y	178.01	95.31	-212.66	-119.40	-13.84	-0.47	CO10
			165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO6
		P_z	165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO6
			178.01	95.31	-212.66	-119.40	-13.84	-0.47	CO10
		M_x	165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO6
			178.01	95.31	-212.66	-119.40	-13.84	-0.47	CO10
		M_y	188.63	94.49	-201.14	-119.09	-7.31	-0.55	CO9
			148.76	90.51	-199.93	-117.77	-16.94	-0.56	CO7
		M_z	178.01	95.31	-212.66	-119.40	-13.84	-0.47	CO10
			165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO6
Extremes			188.63	95.31	-182.96	-117.58	-7.31	-0.47	
51			148.76	89.42	-212.66	-119.40	-16.94	-0.66	
54	S Ch DS2	P_x	190.97	92.78	-211.49	-123.63	-10.39	-0.59	CO9
			170.74	93.03	-212.05	-126.67	-20.17	-0.60	CO7
		P_y	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO6
			181.82	92.54	-224.76	-122.32	-17.81	-0.56	CO10
		P_z	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO6
			175.69	92.62	-224.95	-123.23	-20.74	-0.57	CO8
		M_x	181.82	92.54	-224.76	-122.32	-17.81	-0.56	CO10
			184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO6
		M_y	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO6
			175.69	92.62	-224.95	-123.23	-20.74	-0.57	CO8
		M_z	181.82	92.54	-224.76	-122.32	-17.81	-0.56	CO10
			184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO6
Extremes			190.97	93.48	-192.66	-122.32	-9.73	-0.56	
54			170.74	92.54	-224.95	-128.83	-20.74	-0.64	
57	S Ch DS2	P_x	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO6
			219.79	102.03	-238.46	-140.33	-18.43	-0.94	CO10
		P_y	219.79	102.03	-238.46	-140.33	-18.43	-0.94	CO10
			233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO6
		P_z	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO6
			220.99	100.91	-239.46	-139.99	-21.37	-0.92	CO8
		M_x	227.61	97.81	-226.33	-139.89	-20.13	-0.89	CO7
			233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO6
		M_y	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO6
			220.99	100.91	-239.46	-139.99	-21.37	-0.92	CO8
		M_z	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO6
			219.79	102.03	-238.46	-140.33	-18.43	-0.94	CO10
Extremes			233.28	102.03	-203.97	-139.89	-8.75	-0.88	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
57			219.79	97.23	-239.46	-141.16	-21.37	-0.94	
60	S Ch DS2	P_x	292.02	106.00	-242.48	-156.48	-15.01	-1.61	CO7
			247.56	111.17	-235.47	-158.98	-6.89	-1.60	CO9
		P_y	260.78	111.75	-253.50	-158.60	-14.51	-1.64	CO10
			272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO6
		P_z	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO6
			274.13	110.19	-255.62	-157.83	-16.94	-1.64	CO8
		M_x	292.02	106.00	-242.48	-156.48	-15.01	-1.61	CO7
			247.56	111.17	-235.47	-158.98	-6.89	-1.60	CO9
		M_y	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO6
			274.13	110.19	-255.62	-157.83	-16.94	-1.64	CO8
		M_z	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO6
			274.13	110.19	-255.62	-157.83	-16.94	-1.64	CO8
Extremes			292.02	111.75	-216.46	-156.48	-4.39	-1.55	
60			247.56	105.27	-255.62	-158.98	-16.94	-1.64	
71	S Ch DS2	P_x	10.23	287.82	-243.84	-78.34	19.63	-16.46	CO10
			-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO6
		P_y	3.50	308.29	-235.67	-83.74	20.13	-16.54	CO7
			6.40	273.88	-234.96	-78.10	22.29	-15.61	CO9
		P_z	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO6
			9.38	298.12	-244.07	-80.02	19.00	-16.74	CO8
		M_x	6.40	273.88	-234.96	-78.10	22.29	-15.61	CO9
			-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO6
		M_y	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO6
			9.38	298.12	-244.07	-80.02	19.00	-16.74	CO8
		M_z	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO6
			9.38	298.12	-244.07	-80.02	19.00	-16.74	CO8
Extremes			10.23	308.29	-222.81	-78.10	23.61	-15.33	
71			-2.25	273.88	-244.07	-83.82	19.00	-16.74	
72	S Ch DS2	P_x	48.32	6.08	-257.00	-21.79	-35.84	0.13	CO10
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO6
		P_y	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO6
			48.32	6.08	-257.00	-21.79	-35.84	0.13	CO10
		P_z	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO6
			46.83	6.69	-257.29	-22.83	-37.49	0.14	CO8
		M_x	48.32	6.08	-257.00	-21.79	-35.84	0.13	CO10
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO6
		M_y	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO6
			46.83	6.69	-257.29	-22.83	-37.49	0.14	CO8
		M_z	46.83	6.69	-257.29	-22.83	-37.49	0.14	CO8
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO6
Extremes			48.32	8.79	-229.80	-21.79	-23.36	0.14	
72			36.73	6.08	-257.29	-26.94	-37.49	0.00	
74	S Ch DS2	P_x	81.10	69.88	-271.39	0.00	0.00	-0.46	CO8
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO6
		P_y	81.10	69.88	-271.39	0.00	0.00	-0.46	CO8
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO6
		P_z	68.36	58.60	-239.11	0.00	0.00	-0.45	CO6
			81.10	69.88	-271.39	0.00	0.00	-0.46	CO8
		M_x	68.36	58.60	-239.11	0.00	0.00	-0.45	CO6
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO6
		M_y	68.36	58.60	-239.11	0.00	0.00	-0.45	CO6
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO6
		M_z	69.60	60.77	-256.00	0.00	0.00	-0.42	CO9
			80.45	68.40	-259.61	0.00	0.00	-0.48	CO7
Extremes			81.10	69.88	-239.11	0.00	0.00	-0.42	
74			68.36	58.60	-271.39	0.00	0.00	-0.48	
99	S Ch DS2	P_x	31.06	-28.85	-279.81	0.00	0.00	-2.45	CO8
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO6
		P_y	27.12	-28.60	-275.10	0.00	0.00	-2.50	CO7
			26.99	-29.50	-259.58	0.00	0.00	-2.20	CO9
		P_z	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO6
			31.06	-28.85	-279.81	0.00	0.00	-2.45	CO8
		M_x	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO6
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO6
		M_y	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO6
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO6
		M_z	26.99	-29.50	-259.58	0.00	0.00	-2.20	CO9
			27.12	-28.60	-275.10	0.00	0.00	-2.50	CO7
Extremes			31.06	-28.60	-252.93	0.00	0.00	-2.20	
99			21.29	-29.50	-279.81	0.00	0.00	-2.50	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
100	S Ch DS2	P_x	106.01	12.42	-279.52	0.00	0.00	-6.69	CO7
			86.69	13.27	-264.15	0.00	0.00	-5.72	CO9
		P_y	97.32	13.40	-283.80	0.00	0.00	-6.30	CO10
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO6
		P_z	90.89	12.24	-251.45	0.00	0.00	-5.87	CO6
			103.11	13.15	-288.41	0.00	0.00	-6.59	CO8
		M_x	90.89	12.24	-251.45	0.00	0.00	-5.87	CO6
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO6
		M_y	90.89	12.24	-251.45	0.00	0.00	-5.87	CO6
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO6
		M_z	86.69	13.27	-264.15	0.00	0.00	-5.72	CO9
			106.01	12.42	-279.52	0.00	0.00	-6.69	CO7
Extremes			106.01	13.40	-251.45	0.00	0.00	-5.72	
100			86.69	12.24	-288.41	0.00	0.00	-6.69	
101	S Ch DS2	P_x	151.35	96.42	-267.44	0.00	0.00	-2.67	CO8
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO6
		P_y	151.35	96.42	-267.44	0.00	0.00	-2.67	CO8
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO6
		P_z	127.39	86.37	-234.23	0.00	0.00	-2.72	CO6
			151.35	96.42	-267.44	0.00	0.00	-2.67	CO8
		M_x	127.39	86.37	-234.23	0.00	0.00	-2.72	CO6
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO6
		M_y	127.39	86.37	-234.23	0.00	0.00	-2.72	CO6
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO6
		M_z	150.20	93.31	-259.92	0.00	0.00	-2.31	CO7
			129.06	90.74	-244.97	0.00	0.00	-3.23	CO9
Extremes			151.35	96.42	-234.23	0.00	0.00	-2.31	
101			127.39	86.37	-267.44	0.00	0.00	-3.23	
135	S Ch DS2	P_x	167.90	310.69	-318.97	0.00	0.00	-0.21	CO8
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO6
		P_y	167.90	310.69	-318.97	0.00	0.00	-0.21	CO8
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO6
		P_z	154.40	277.17	-284.88	0.00	0.00	-0.19	CO6
			167.90	310.69	-318.97	0.00	0.00	-0.21	CO8
		M_x	154.40	277.17	-284.88	0.00	0.00	-0.19	CO6
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO6
		M_y	154.40	277.17	-284.88	0.00	0.00	-0.19	CO6
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO6
		M_z	158.90	284.30	-292.52	0.00	0.00	-0.18	CO9
			164.72	305.61	-313.54	0.00	0.00	-0.22	CO7
Extremes			167.90	310.69	-284.88	0.00	0.00	-0.18	
135			154.40	277.17	-318.97	0.00	0.00	-0.22	
138	S Ch DS2	P_x	264.55	27.73	-294.81	0.00	0.00	0.30	CO8
			237.91	16.52	-262.85	0.00	0.00	0.31	CO6
		P_y	264.55	27.73	-294.81	0.00	0.00	0.30	CO8
			237.91	16.52	-262.85	0.00	0.00	0.31	CO6
		P_z	237.91	16.52	-262.85	0.00	0.00	0.31	CO6
			264.55	27.73	-294.81	0.00	0.00	0.30	CO8
		M_x	237.91	16.52	-262.85	0.00	0.00	0.31	CO6
			237.91	16.52	-262.85	0.00	0.00	0.31	CO6
		M_y	237.91	16.52	-262.85	0.00	0.00	0.31	CO6
			237.91	16.52	-262.85	0.00	0.00	0.31	CO6
		M_z	237.91	16.52	-262.85	0.00	0.00	0.31	CO6
			264.55	27.73	-294.81	0.00	0.00	0.30	CO8
Extremes			264.55	27.73	-262.85	0.00	0.00	0.31	
138			237.91	16.52	-294.81	0.00	0.00	0.30	
139	S Ch DS2	P_x	82.33	197.85	-289.34	0.00	0.00	-1.31	CO8
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO6
		P_y	82.33	197.85	-289.34	0.00	0.00	-1.31	CO8
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO6
		P_z	70.40	161.08	-260.40	0.00	0.00	-1.32	CO6
			82.33	197.85	-289.34	0.00	0.00	-1.31	CO8
		M_x	70.40	161.08	-260.40	0.00	0.00	-1.32	CO6
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO6
		M_y	70.40	161.08	-260.40	0.00	0.00	-1.32	CO6
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO6
		M_z	82.25	196.97	-284.73	0.00	0.00	-1.30	CO7
			70.51	162.30	-266.88	0.00	0.00	-1.33	CO9
Extremes			82.33	197.85	-260.40	0.00	0.00	-1.30	
139			70.40	161.08	-289.34	0.00	0.00	-1.33	
286	S Ch DS2	P_x	-2.34	101.22	-270.64	-33.37	-4.05	-0.39	CO9
			-3.00	93.02	-277.53	-43.47	-5.73	-0.46	CO7

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
286		P_y	-2.34	101.22	-270.64	-33.37	-4.05	-0.39	CO9
			-3.00	93.02	-277.53	-43.47	-5.73	-0.46	CO7
		P_z	-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO6
			-2.89	96.59	-288.33	-26.21	-5.53	-0.49	CO8
		M_x	-2.69	99.05	-286.25	-23.19	-5.03	-0.47	CO10
			-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO6
		M_y	-2.34	101.22	-270.64	-33.37	-4.05	-0.39	CO9
			-3.00	93.02	-277.53	-43.47	-5.73	-0.46	CO7
		M_z	-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO6
			-2.89	96.59	-288.33	-26.21	-5.53	-0.49	CO8
Extremes			-2.34	101.22	-255.18	-23.19	-4.05	-0.35	
286			-3.00	93.02	-288.33	-58.14	-5.73	-0.49	
322	S Ch DS2	P_x	-37.28	250.55	-275.09	0.00	0.00	18.00	CO7
			-50.39	251.57	-258.06	0.00	0.00	16.93	CO9
		P_y	-45.10	269.01	-277.65	0.00	0.00	18.60	CO10
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO6
		P_z	-44.88	225.57	-247.13	0.00	0.00	15.61	CO6
			-41.16	268.72	-282.76	0.00	0.00	18.93	CO8
		M_x	-44.88	225.57	-247.13	0.00	0.00	15.61	CO6
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO6
		M_y	-44.88	225.57	-247.13	0.00	0.00	15.61	CO6
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO6
		M_z	-41.16	268.72	-282.76	0.00	0.00	18.93	CO8
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO6
Extremes			-37.28	269.01	-247.13	0.00	0.00	18.93	
322			-50.39	225.57	-282.76	0.00	0.00	15.61	
340	S Ch DS2	P_x	-82.23	13.61	-189.09	-23.61	4.71	2.95	CO6
			-97.06	13.41	-204.47	-23.36	5.14	2.97	CO8
		P_y	-88.87	14.12	-194.22	-24.39	4.94	3.15	CO9
			-92.61	13.07	-200.94	-22.83	4.97	2.84	CO7
		P_z	-82.23	13.61	-189.09	-23.61	4.71	2.95	CO6
			-97.06	13.41	-204.47	-23.36	5.14	2.97	CO8
		M_x	-92.61	13.07	-200.94	-22.83	4.97	2.84	CO7
			-88.87	14.12	-194.22	-24.39	4.94	3.15	CO9
		M_y	-97.06	13.41	-204.47	-23.36	5.14	2.97	CO8
			-82.23	13.61	-189.09	-23.61	4.71	2.95	CO6
		M_z	-88.87	14.12	-194.22	-24.39	4.94	3.15	CO9
			-92.61	13.07	-200.94	-22.83	4.97	2.84	CO7
Extremes			-82.23	14.12	-189.09	-22.83	5.14	3.15	
340			-97.06	13.07	-204.47	-24.39	4.71	2.84	
341	S Ch DS2	P_x	91.86	4.04	-193.98	-20.25	-8.95	-2.60	CO7
			89.57	6.10	-187.79	-22.11	-8.53	-2.93	CO9
		P_y	89.57	6.10	-187.79	-22.11	-8.53	-2.93	CO9
			91.86	4.04	-193.98	-20.25	-8.95	-2.60	CO7
		P_z	91.32	4.34	-182.47	-20.97	-8.39	-2.70	CO6
			90.78	5.23	-197.67	-21.03	-9.04	-2.75	CO8
		M_x	91.86	4.04	-193.98	-20.25	-8.95	-2.60	CO7
			89.57	6.10	-187.79	-22.11	-8.53	-2.93	CO9
		M_y	91.32	4.34	-182.47	-20.97	-8.39	-2.70	CO6
			90.78	5.23	-197.67	-21.03	-9.04	-2.75	CO8
		M_z	91.86	4.04	-193.98	-20.25	-8.95	-2.60	CO7
			89.57	6.10	-187.79	-22.11	-8.53	-2.93	CO9
Extremes			91.86	6.10	-182.47	-20.25	-8.39	-2.60	
341			89.57	4.04	-197.67	-22.11	-9.04	-2.93	
342	S Ch DS2	P_x	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO6
			-90.16	13.96	-190.52	-20.01	7.47	1.92	CO8
		P_y	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO6
			-87.42	13.95	-187.22	-20.04	7.40	1.94	CO10
		P_z	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO6
			-90.16	13.96	-190.52	-20.01	7.47	1.92	CO8
		M_x	-90.16	13.96	-190.52	-20.01	7.47	1.92	CO8
			-76.82	14.73	-174.75	-21.65	6.88	2.10	CO6
		M_y	-90.16	13.96	-190.52	-20.01	7.47	1.92	CO8
			-76.82	14.73	-174.75	-21.65	6.88	2.10	CO6
		M_z	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO6
			-90.16	13.96	-190.52	-20.01	7.47	1.92	CO8
Extremes			-76.82	14.73	-174.75	-20.01	7.47	2.10	
342			-90.16	13.95	-190.52	-21.65	6.88	1.92	
343	S Ch DS2	P_x	73.62	-2.27	-183.74	-16.11	-10.50	-1.76	CO7
			72.98	-1.41	-172.95	-16.23	-9.69	-1.80	CO9
		P_y	72.98	-1.41	-172.95	-16.23	-9.69	-1.80	CO9
			73.62	-2.27	-183.74	-16.11	-10.50	-1.76	CO7

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
343		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO6
			73.47	-2.16	-185.63	-15.52	-10.54	-1.70	CO8
		M_x	73.47	-2.16	-185.63	-15.52	-10.54	-1.70	CO8
			73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO6
		M_y	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO6
			73.47	-2.16	-185.63	-15.52	-10.54	-1.70	CO8
		M_z	73.47	-2.16	-185.63	-15.52	-10.54	-1.70	CO8
			73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO6
Extremes			73.62	-1.41	-170.26	-15.52	-9.64	-1.70	
343			72.98	-2.27	-185.63	-17.12	-10.54	-1.88	
365	S Ch DS2	P_x	-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
			-191.66	14.02	-331.60	0.00	0.00	-0.02	CO8
		P_y	-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
			-191.66	14.02	-331.60	0.00	0.00	-0.02	CO8
		P_z	-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
			-191.66	14.02	-331.60	0.00	0.00	-0.02	CO8
		M_x	-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
			-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
		M_y	-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
			-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
		M_z	-146.16	42.11	-290.18	0.00	0.00	0.24	CO6
			-191.66	14.02	-331.60	0.00	0.00	-0.02	CO8
Extremes			-146.16	42.11	-290.18	0.00	0.00	0.24	
365			-191.66	14.02	-331.60	0.00	0.00	-0.02	
370	S Ch DS2	P_x	142.34	-59.90	-257.23	-133.00	0.92	-4.03	CO6
			125.75	-95.35	-300.23	-134.79	-8.58	-4.03	CO8
		P_y	137.80	-59.42	-274.12	-125.97	0.97	-3.83	CO9
			129.12	-95.76	-288.48	-139.50	-8.49	-4.17	CO7
		P_z	142.34	-59.90	-257.23	-133.00	0.92	-4.03	CO6
			125.75	-95.35	-300.23	-134.79	-8.58	-4.03	CO8
		M_x	137.80	-59.42	-274.12	-125.97	0.97	-3.83	CO9
			129.12	-95.76	-288.48	-139.50	-8.49	-4.17	CO7
		M_y	137.80	-59.42	-274.12	-125.97	0.97	-3.83	CO9
			125.75	-95.35	-300.23	-134.79	-8.58	-4.03	CO8
		M_z	137.80	-59.42	-274.12	-125.97	0.97	-3.83	CO9
			129.12	-95.76	-288.48	-139.50	-8.49	-4.17	CO7
Extremes			142.34	-59.42	-257.23	-125.97	0.97	-3.83	
370			125.75	-95.76	-300.23	-139.50	-8.58	-4.17	
372	S Ch DS2	P_x	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO6
			-2.76	146.74	-321.53	-83.11	-7.54	0.39	CO8
		P_y	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO6
			-2.76	146.74	-321.53	-83.11	-7.54	0.39	CO8
		P_z	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO6
			-2.76	146.74	-321.53	-83.11	-7.54	0.39	CO8
		M_x	-2.23	159.45	-292.17	-79.34	-5.74	0.42	CO9
			-2.61	153.09	-310.47	-88.33	-7.38	0.39	CO7
		M_y	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO6
			-2.76	146.74	-321.53	-83.11	-7.54	0.39	CO8
		M_z	-2.23	159.45	-292.17	-79.34	-5.74	0.42	CO9
			-2.61	153.09	-310.47	-88.33	-7.38	0.39	CO7
Extremes			-2.04	168.73	-276.32	-79.34	-5.55	0.42	
372			-2.76	146.74	-321.53	-88.33	-7.54	0.39	
377	S Ch DS2	P_x	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO6
			-3.90	-42.67	-330.10	-62.27	-11.79	2.07	CO8
		P_y	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO6
			-3.78	-44.09	-324.30	-61.30	-11.18	2.04	CO10
		P_z	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO6
			-3.90	-42.67	-330.10	-62.27	-11.79	2.07	CO8
		M_x	-3.78	-44.09	-324.30	-61.30	-11.18	2.04	CO10
			-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO6
		M_y	-3.28	-30.73	-300.73	-65.25	-9.72	1.83	CO9
			-3.90	-42.67	-330.10	-62.27	-11.79	2.07	CO8
		M_z	-3.90	-42.67	-330.10	-62.27	-11.79	2.07	CO8
			-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO6
Extremes			-3.00	-6.57	-286.35	-61.30	-9.72	2.07	
377			-3.90	-44.09	-330.10	-74.41	-11.79	1.67	
415	S Ch DS2	P_x	0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO6
			-9.25	212.07	-218.95	-106.63	-77.08	-3.82	CO8
		P_y	-1.44	221.94	-210.10	-107.65	-74.70	-3.71	CO9
			-7.71	197.63	-209.49	-110.06	-80.53	-3.89	CO7
		P_z	0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO6
			-7.40	219.26	-219.10	-105.89	-75.31	-3.76	CO10

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
415		M_x	-7.40	219.26	-219.10	-105.89	-75.31	-3.76	CO10
			0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO6
		M_y	-1.44	221.94	-210.10	-107.65	-74.70	-3.71	CO9
			-7.71	197.63	-209.49	-110.06	-80.53	-3.89	CO7
		M_z	-1.44	221.94	-210.10	-107.65	-74.70	-3.71	CO9
			-7.71	197.63	-209.49	-110.06	-80.53	-3.89	CO7
Extremes			0.26	221.94	-196.09	-105.89	-74.70	-3.71	
415			-9.25	197.63	-219.10	-112.47	-80.53	-3.89	
417	S Ch DS2	P_x	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO6
			60.32	119.44	-200.21	-77.00	-82.08	1.22	CO8
		P_y	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO6
			60.32	119.44	-200.21	-77.00	-82.08	1.22	CO8
		P_z	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO6
			61.57	120.57	-200.70	-76.17	-80.34	1.27	CO10
		M_x	61.57	120.57	-200.70	-76.17	-80.34	1.27	CO10
			67.80	140.55	-176.51	-82.07	-84.03	0.77	CO6
		M_y	66.11	130.62	-191.66	-77.33	-79.50	1.12	CO9
			61.80	126.63	-189.94	-80.11	-85.26	0.97	CO7
		M_z	61.57	120.57	-200.70	-76.17	-80.34	1.27	CO10
			67.80	140.55	-176.51	-82.07	-84.03	0.77	CO6
Extremes			67.80	140.55	-176.51	-76.17	-79.50	1.27	
417			60.32	119.44	-200.70	-82.07	-85.26	0.77	
419	S Ch DS2	P_x	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO6
			-73.54	196.41	-215.81	-76.26	-61.34	-0.24	CO10
		P_y	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO6
			-73.54	196.41	-215.81	-76.26	-61.34	-0.24	CO10
		P_z	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO6
			-73.54	196.41	-215.81	-76.26	-61.34	-0.24	CO10
		M_x	-73.54	196.41	-215.81	-76.26	-61.34	-0.24	CO10
			-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO6
		M_y	-73.43	209.04	-206.71	-77.51	-60.86	-0.19	CO9
			-72.24	209.99	-206.06	-81.22	-61.73	-0.41	CO7
		M_z	-73.43	209.04	-206.71	-77.51	-60.86	-0.19	CO9
			-72.24	209.99	-206.06	-81.22	-61.73	-0.41	CO7
Extremes			-72.11	227.13	-192.67	-76.26	-60.86	-0.19	
419			-73.54	196.41	-215.81	-83.32	-61.73	-0.41	
422	S Ch DS2	P_x	33.22	161.65	-249.76	-29.03	58.13	0.39	CO8
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO6
		P_y	33.22	161.65	-249.76	-29.03	58.13	0.39	CO8
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO6
		P_z	28.65	138.93	-229.23	-30.55	51.57	0.40	CO6
			33.22	161.65	-249.76	-29.03	58.13	0.39	CO8
		M_x	32.77	156.22	-249.46	-28.46	57.00	0.33	CO10
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO6
		M_y	33.22	161.65	-249.76	-29.03	58.13	0.39	CO8
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO6
		M_z	31.99	159.80	-241.74	-30.37	57.02	0.46	CO7
			30.52	141.71	-240.80	-28.46	53.29	0.27	CO9
Extremes			33.22	161.65	-229.23	-28.46	58.13	0.46	
422			28.65	138.93	-249.76	-30.55	51.57	0.27	
424	S Ch DS2	P_x	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO6
			-75.59	234.77	-230.29	-76.95	-47.30	1.74	CO10
		P_y	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO6
			-75.59	234.77	-230.29	-76.95	-47.30	1.74	CO10
		P_z	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO6
			-75.28	242.68	-230.36	-78.53	-47.42	1.88	CO8
		M_x	-75.59	234.77	-230.29	-76.95	-47.30	1.74	CO10
			-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO6
		M_y	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO6
			-75.28	242.68	-230.36	-78.53	-47.42	1.88	CO8
		M_z	-73.70	263.54	-221.39	-82.88	-46.39	1.89	CO7
			-74.73	237.10	-221.21	-77.54	-45.98	1.44	CO9
Extremes			-72.50	266.64	-208.13	-76.95	-44.61	1.89	
424			-75.59	234.77	-230.36	-84.11	-47.42	1.44	
443	S Ch DS2	P_x	115.25	249.53	-186.85	-221.04	-10.12	9.71	CO9
			81.69	221.01	-184.22	-227.97	-18.14	10.35	CO7
		P_y	115.25	249.53	-186.85	-221.04	-10.12	9.71	CO9
			81.69	221.01	-184.22	-227.97	-18.14	10.35	CO7
		P_z	88.04	227.28	-170.32	-232.31	-10.75	10.69	CO6
			110.60	244.20	-196.16	-218.05	-15.34	9.46	CO10
		M_x	110.60	244.20	-196.16	-218.05	-15.34	9.46	CO10
			88.04	227.28	-170.32	-232.31	-10.75	10.69	CO6

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
443		M_y	115.25	249.53	-186.85	-221.04	-10.12	9.71	CO9
			81.69	221.01	-184.22	-227.97	-18.14	10.35	CO7
		M_z	88.04	227.28	-170.32	-232.31	-10.75	10.69	CO6
			110.60	244.20	-196.16	-218.05	-15.34	9.46	CO10
Extremes			115.25	249.53	-170.32	-218.05	-10.12	10.69	
443			81.69	221.01	-196.16	-232.31	-18.14	9.46	
445	S Ch DS2	P_x	142.26	-142.39	-261.01	-186.42	-15.03	6.09	CO7
			115.62	-110.23	-248.61	-178.33	-6.51	5.83	CO9
		P_y	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO6
			130.79	-145.36	-273.90	-177.66	-16.09	5.91	CO8
		P_z	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO6
			130.79	-145.36	-273.90	-177.66	-16.09	5.91	CO8
		M_x	122.78	-135.70	-270.17	-175.26	-13.55	5.83	CO10
			131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO6
		M_y	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO6
			130.79	-145.36	-273.90	-177.66	-16.09	5.91	CO8
		M_z	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO6
			115.62	-110.23	-248.61	-178.33	-6.51	5.83	CO9
Extremes			142.26	-105.75	-230.04	-175.26	-5.22	6.10	
445			115.62	-145.36	-273.90	-191.30	-16.09	5.83	
465	S Ch DS2	P_x	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO6
			-8.40	0.42	-340.99	-10.50	-14.13	-0.49	CO8
		P_y	-6.77	2.98	-310.14	-14.17	-11.11	-0.44	CO9
			-8.34	0.37	-332.04	-10.99	-14.08	-0.46	CO7
		P_z	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO6
			-8.40	0.42	-340.99	-10.50	-14.13	-0.49	CO8
		M_x	-8.40	0.42	-340.99	-10.50	-14.13	-0.49	CO8
			-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO6
		M_y	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO6
			-8.40	0.42	-340.99	-10.50	-14.13	-0.49	CO8
		M_z	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO6
			-8.40	0.42	-340.99	-10.50	-14.13	-0.49	CO8
Extremes			-6.71	2.98	-297.34	-10.50	-11.09	-0.40	
465			-8.40	0.37	-340.99	-14.94	-14.13	-0.49	
468	S Ch DS2	P_x	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO6
			-0.11	-6.10	-360.98	0.76	-2.05	-0.50	CO8
		P_y	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO6
			-0.11	-6.10	-360.98	0.76	-2.05	-0.50	CO8
		P_z	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO6
			-0.11	-6.10	-360.98	0.76	-2.05	-0.50	CO8
		M_x	-0.11	-6.10	-360.98	0.76	-2.05	-0.50	CO8
			0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO6
		M_y	0.07	-2.53	-327.95	-4.54	-1.10	-0.45	CO9
			-0.08	-6.09	-351.41	0.10	-2.05	-0.47	CO7
		M_z	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO6
			-0.11	-6.10	-360.98	0.76	-2.05	-0.50	CO8
Extremes			0.09	-2.51	-314.28	0.76	-1.10	-0.40	
468			-0.11	-6.10	-360.98	-5.53	-2.05	-0.50	
542	S Ch DS2	P_x	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
			-35.50	-116.40	-307.73	0.00	0.00	0.77	CO8
		P_y	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
			-35.50	-116.40	-307.73	0.00	0.00	0.77	CO8
		P_z	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
			-35.50	-116.40	-307.73	0.00	0.00	0.77	CO8
		M_x	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
		M_y	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
		M_z	-35.50	-116.40	-307.73	0.00	0.00	0.77	CO8
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO6
Extremes			-17.88	-101.68	-261.83	0.00	0.00	0.77	
542			-35.50	-116.40	-307.73	0.00	0.00	0.73	
547	S Ch DS2	P_x	22.12	73.00	-199.59	0.00	0.00	0.05	CO9
			14.01	75.37	-195.80	0.00	0.00	0.05	CO7
		P_y	16.64	77.21	-201.31	0.00	0.00	0.04	CO8
			18.35	70.43	-191.68	0.00	0.00	0.05	CO6
		P_z	18.35	70.43	-191.68	0.00	0.00	0.05	CO6
			19.08	76.50	-202.44	0.00	0.00	0.04	CO10
		M_x	18.35	70.43	-191.68	0.00	0.00	0.05	CO6
			18.35	70.43	-191.68	0.00	0.00	0.05	CO6
		M_y	18.35	70.43	-191.68	0.00	0.00	0.05	CO6
			18.35	70.43	-191.68	0.00	0.00	0.05	CO6

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
547		M_z	18.35	70.43	-191.68	0.00	0.00	0.05	CO6
			19.08	76.50	-202.44	0.00	0.00	0.04	CO10
Extremes			22.12	77.21	-191.68	0.00	0.00	0.05	
547			14.01	70.43	-202.44	0.00	0.00	0.04	
548	S Ch DS2	P_x	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO6
			-161.25	-56.45	-233.47	0.00	0.00	6.67	CO8
		P_y	-158.37	-54.68	-225.90	0.00	0.00	6.53	CO7
			-147.56	-57.43	-226.11	0.00	0.00	6.05	CO9
		P_z	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO6
			-157.99	-57.27	-233.53	0.00	0.00	6.53	CO10
		M_x	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO6
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO6
		M_y	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO6
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO6
		M_z	-161.25	-56.45	-233.47	0.00	0.00	6.67	CO8
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO6
Extremes			-143.41	-54.68	-215.24	0.00	0.00	6.67	
548			-161.25	-57.43	-233.53	0.00	0.00	5.85	
589	S Ch DS2	P_x	-0.36	-4.40	-211.15	16.02	-3.19	-0.76	CO9
			-1.11	-4.63	-196.03	17.05	-6.15	-0.87	CO7
		P_y	-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO6
			-0.83	-4.82	-209.74	18.01	-5.13	-0.85	CO8
		P_z	-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO6
			-0.60	-4.75	-214.27	17.70	-4.24	-0.82	CO10
		M_x	-0.83	-4.82	-209.74	18.01	-5.13	-0.85	CO8
			-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO6
		M_y	-0.36	-4.40	-211.15	16.02	-3.19	-0.76	CO9
			-1.11	-4.63	-196.03	17.05	-6.15	-0.87	CO7
		M_z	-0.36	-4.40	-211.15	16.02	-3.19	-0.76	CO9
			-1.11	-4.63	-196.03	17.05	-6.15	-0.87	CO7
Extremes			-0.36	-4.12	-191.55	18.01	-3.19	-0.76	
589			-1.11	-4.82	-214.27	14.64	-6.15	-0.87	
593	S Ch DS2	P_x	199.61	82.64	-191.49	-112.33	-4.47	-2.72	CO9
			150.53	79.42	-189.20	-112.39	-13.59	-2.56	CO7
		P_y	191.64	83.92	-201.51	-113.53	-10.10	-2.77	CO10
			163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO6
		P_z	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO6
			191.64	83.92	-201.51	-113.53	-10.10	-2.77	CO10
		M_x	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO6
			176.85	82.95	-200.86	-113.53	-12.84	-2.72	CO8
		M_y	199.61	82.64	-191.49	-112.33	-4.47	-2.72	CO9
			150.53	79.42	-189.20	-112.39	-13.59	-2.56	CO7
		M_z	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO6
			191.64	83.92	-201.51	-113.53	-10.10	-2.77	CO10
Extremes			199.61	83.92	-174.28	-111.11	-4.47	-2.52	
593			150.53	77.77	-201.51	-113.53	-13.59	-2.77	
607	S Ch DS2	P_x	-0.02	-4.13	-212.14	13.62	-2.64	-0.91	CO7
			-0.55	-4.00	-221.78	13.13	-3.79	-0.80	CO9
		P_y	-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO6
			-0.20	-4.36	-225.20	14.76	-3.11	-0.89	CO8
		P_z	-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO6
			-0.36	-4.32	-228.09	14.61	-3.46	-0.86	CO10
		M_x	-0.20	-4.36	-225.20	14.76	-3.11	-0.89	CO8
			-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO6
		M_y	-0.02	-4.13	-212.14	13.62	-2.64	-0.91	CO7
			-0.55	-4.00	-221.78	13.13	-3.79	-0.80	CO9
		M_z	-0.55	-4.00	-221.78	13.13	-3.79	-0.80	CO9
			-0.02	-4.13	-212.14	13.62	-2.64	-0.91	CO7
Extremes			-0.02	-3.66	-203.11	14.76	-2.64	-0.80	
607			-0.55	-4.36	-228.09	11.49	-3.79	-0.91	
687	S Ch DS2	P_x	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO6
			-42.00	35.72	-217.42	0.00	0.00	-0.33	CO8
		P_y	-42.00	35.72	-217.42	0.00	0.00	-0.33	CO8
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO6
		P_z	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO6
			-41.49	34.01	-218.01	0.00	0.00	-0.35	CO10
		M_x	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO6
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO6
		M_y	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO6
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO6
		M_z	-41.60	33.79	-210.87	0.00	0.00	-0.32	CO7
			-39.88	28.12	-212.88	0.00	0.00	-0.37	CO9

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
Extremes			-39.33	35.72	-203.49	0.00	0.00	-0.32	
687			-42.00	25.46	-218.01	0.00	0.00	-0.37	
688	S Ch DS2	P_x	-23.90	-31.78	-206.09	0.00	0.00	3.79	CO9
			-34.96	-32.28	-203.22	0.00	0.00	3.67	CO7
		P_y	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO6
			-32.08	-32.29	-208.92	0.00	0.00	3.69	CO8
		P_z	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO6
			-28.76	-32.14	-209.78	0.00	0.00	3.72	CO10
		M_x	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO6
			-28.05	-31.73	-197.93	0.00	0.00	3.76	CO6
		M_y	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO6
			-28.05	-31.73	-197.93	0.00	0.00	3.76	CO6
		M_z	-23.90	-31.78	-206.09	0.00	0.00	3.79	CO9
			-34.96	-32.28	-203.22	0.00	0.00	3.67	CO7
Extremes			-23.90	-31.73	-197.93	0.00	0.00	3.79	
688			-34.96	-32.29	-209.78	0.00	0.00	3.67	
689	S Ch DS2	P_x	1.47	-41.79	-213.38	0.00	0.00	0.66	CO9
			-2.41	-41.86	-211.58	0.00	0.00	0.57	CO7
		P_y	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO6
			-0.56	-41.87	-217.47	0.00	0.00	0.59	CO8
		P_z	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO6
			0.60	-41.84	-218.01	0.00	0.00	0.61	CO10
		M_x	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO6
			-1.21	-41.78	-204.94	0.00	0.00	0.64	CO6
		M_y	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO6
			-1.21	-41.78	-204.94	0.00	0.00	0.64	CO6
		M_z	1.47	-41.79	-213.38	0.00	0.00	0.66	CO9
			-2.41	-41.86	-211.58	0.00	0.00	0.57	CO7
Extremes			1.47	-41.78	-204.94	0.00	0.00	0.66	
689			-2.41	-41.87	-218.01	0.00	0.00	0.57	
690	S Ch DS2	P_x	19.28	-41.95	-226.54	0.00	0.00	-0.38	CO8
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO6
		P_y	15.09	-41.92	-221.06	0.00	0.00	-0.34	CO9
			18.84	-41.96	-220.46	0.00	0.00	-0.40	CO7
		P_z	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO6
			18.15	-41.94	-226.71	0.00	0.00	-0.36	CO10
		M_x	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO6
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO6
		M_y	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO6
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO6
		M_z	15.09	-41.92	-221.06	0.00	0.00	-0.34	CO9
			18.84	-41.96	-220.46	0.00	0.00	-0.40	CO7
Extremes			19.28	-41.92	-212.36	0.00	0.00	-0.34	
690			14.44	-41.96	-226.71	0.00	0.00	-0.40	
691	S Ch DS2	P_x	83.01	-30.64	-235.84	0.00	0.00	-3.57	CO8
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO6
		P_y	80.13	-30.51	-229.59	0.00	0.00	-3.63	CO7
			70.80	-30.79	-228.88	0.00	0.00	-3.49	CO9
		P_z	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO6
			83.01	-30.64	-235.84	0.00	0.00	-3.57	CO8
		M_x	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO6
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO6
		M_y	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO6
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO6
		M_z	70.80	-30.79	-228.88	0.00	0.00	-3.49	CO9
			80.13	-30.51	-229.59	0.00	0.00	-3.63	CO7
Extremes			83.01	-30.51	-219.95	0.00	0.00	-3.49	
691			66.59	-30.79	-235.84	0.00	0.00	-3.63	
692	S Ch DS2	P_x	126.79	-10.46	-251.34	0.00	0.00	2.27	CO7
			94.74	-10.76	-247.05	0.00	0.00	2.30	CO9
		P_y	123.19	-10.30	-257.80	0.00	0.00	2.54	CO8
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO6
		P_z	99.73	-11.00	-237.80	0.00	0.00	1.92	CO6
			123.19	-10.30	-257.80	0.00	0.00	2.54	CO8
		M_x	99.73	-11.00	-237.80	0.00	0.00	1.92	CO6
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO6
		M_y	99.73	-11.00	-237.80	0.00	0.00	1.92	CO6
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO6
		M_z	113.56	-10.39	-256.51	0.00	0.00	2.55	CO10
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO6
Extremes			126.79	-10.30	-237.80	0.00	0.00	2.55	
692			94.74	-11.00	-257.80	0.00	0.00	1.92	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
693	S Ch DS2	P_x	16.08	12.07	-264.46	0.00	0.00	-1.07	CO7
			0.78	12.44	-256.32	0.00	0.00	-1.13	CO9
		P_y	4.58	15.11	-267.91	0.00	0.00	-1.25	CO10
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO6
		P_z	10.53	8.26	-247.87	0.00	0.00	-0.89	CO6
			9.18	15.00	-270.36	0.00	0.00	-1.24	CO8
		M_x	10.53	8.26	-247.87	0.00	0.00	-0.89	CO6
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO6
		M_y	10.53	8.26	-247.87	0.00	0.00	-0.89	CO6
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO6
		M_z	10.53	8.26	-247.87	0.00	0.00	-0.89	CO6
			4.58	15.11	-267.91	0.00	0.00	-1.25	CO10
Extremes			16.08	15.11	-247.87	0.00	0.00	-0.89	
693			0.78	8.26	-270.36	0.00	0.00	-1.25	
694	S Ch DS2	P_x	-8.22	-37.60	-265.35	0.00	0.00	-2.40	CO7
			-23.44	-37.39	-255.90	0.00	0.00	-2.34	CO9
		P_y	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO6
			-15.92	-37.89	-270.93	0.00	0.00	-2.57	CO8
		P_z	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO6
			-15.92	-37.89	-270.93	0.00	0.00	-2.57	CO8
		M_x	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO6
			-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO6
		M_y	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO6
			-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO6
		M_z	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO6
			-15.92	-37.89	-270.93	0.00	0.00	-2.57	CO8
Extremes			-8.22	-36.97	-247.92	0.00	0.00	-2.10	
694			-23.44	-37.89	-270.93	0.00	0.00	-2.57	
695	S Ch DS2	P_x	9.27	-32.16	-266.58	0.00	0.00	-0.14	CO7
			0.14	-32.03	-255.83	0.00	0.00	-0.14	CO9
		P_y	0.14	-32.03	-255.83	0.00	0.00	-0.14	CO9
			9.27	-32.16	-266.58	0.00	0.00	-0.14	CO7
		P_z	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO6
			5.14	-32.07	-271.87	0.00	0.00	-0.15	CO8
		M_x	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO6
			5.83	-32.16	-248.28	0.00	0.00	-0.13	CO6
		M_y	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO6
			5.83	-32.16	-248.28	0.00	0.00	-0.13	CO6
		M_z	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO6
			2.39	-32.03	-268.64	0.00	0.00	-0.15	CO10
Extremes			9.27	-32.03	-248.28	0.00	0.00	-0.13	
695			0.14	-32.16	-271.87	0.00	0.00	-0.15	
696	S Ch DS2	P_x	5.14	-32.96	-255.95	0.00	0.00	-0.25	CO9
			1.94	-33.16	-267.82	0.00	0.00	-0.25	CO7
		P_y	5.14	-32.96	-255.95	0.00	0.00	-0.25	CO9
			1.94	-33.16	-267.82	0.00	0.00	-0.25	CO7
		P_z	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO6
			2.53	-33.14	-272.89	0.00	0.00	-0.25	CO8
		M_x	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO6
			4.13	-32.99	-248.72	0.00	0.00	-0.24	CO6
		M_y	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO6
			4.13	-32.99	-248.72	0.00	0.00	-0.24	CO6
		M_z	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO6
			3.47	-33.08	-269.33	0.00	0.00	-0.25	CO10
Extremes			5.14	-32.96	-248.72	0.00	0.00	-0.24	
696			1.94	-33.16	-272.89	0.00	0.00	-0.25	
697	S Ch DS2	P_x	-10.43	-33.01	-256.29	0.00	0.00	-0.19	CO9
			-25.97	-33.29	-269.12	0.00	0.00	-0.20	CO7
		P_y	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO6
			-21.44	-33.31	-274.05	0.00	0.00	-0.20	CO8
		P_z	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO6
			-21.44	-33.31	-274.05	0.00	0.00	-0.20	CO8
		M_x	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO6
			-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO6
		M_y	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO6
			-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO6
		M_z	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO6
			-21.44	-33.31	-274.05	0.00	0.00	-0.20	CO8
Extremes			-10.43	-32.98	-249.29	0.00	0.00	-0.19	
697			-25.97	-33.31	-274.05	0.00	0.00	-0.20	
698	S Ch DS2	P_x	-30.52	-29.33	-256.84	0.00	0.00	-0.47	CO9
			-53.61	-29.51	-270.50	0.00	0.00	-0.52	CO7

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
698		P_y	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO6
			-47.54	-29.54	-275.33	0.00	0.00	-0.54	CO8
		P_z	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO6
			-47.54	-29.54	-275.33	0.00	0.00	-0.54	CO8
		M_x	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO6
			-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO6
		M_y	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO6
			-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO6
		M_z	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO6
			-47.54	-29.54	-275.33	0.00	0.00	-0.54	CO8
Extremes			-30.52	-29.29	-249.98	0.00	0.00	-0.45	
698			-53.61	-29.54	-275.33	0.00	0.00	-0.54	
699	S Ch DS2	P_x	-28.40	-32.02	-257.61	0.00	0.00	2.59	CO9
			-46.36	-31.95	-272.06	0.00	0.00	2.61	CO7
		P_y	-41.13	-31.93	-276.83	0.00	0.00	2.61	CO8
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO6
		P_z	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO6
			-41.13	-31.93	-276.83	0.00	0.00	2.61	CO8
		M_x	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO6
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO6
		M_y	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO6
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO6
		M_z	-46.36	-31.95	-272.06	0.00	0.00	2.61	CO7
			-28.40	-32.02	-257.61	0.00	0.00	2.59	CO9
Extremes			-28.40	-31.93	-250.86	0.00	0.00	2.61	
699			-46.36	-32.05	-276.83	0.00	0.00	2.59	
700	S Ch DS2	P_x	125.28	-29.55	-283.77	0.00	0.00	3.57	CO8
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO6
		P_y	122.88	-29.43	-279.11	0.00	0.00	3.60	CO7
			115.34	-29.65	-262.55	0.00	0.00	3.35	CO9
		P_z	111.90	-29.48	-255.98	0.00	0.00	3.40	CO6
			125.28	-29.55	-283.77	0.00	0.00	3.57	CO8
		M_x	111.90	-29.48	-255.98	0.00	0.00	3.40	CO6
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO6
		M_y	111.90	-29.48	-255.98	0.00	0.00	3.40	CO6
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO6
		M_z	122.88	-29.43	-279.11	0.00	0.00	3.60	CO7
			115.34	-29.65	-262.55	0.00	0.00	3.35	CO9
Extremes			125.28	-29.43	-255.98	0.00	0.00	3.60	
700			111.90	-29.65	-283.77	0.00	0.00	3.35	
703	S Ch DS2	P_x	21.10	289.19	-298.04	0.00	0.00	0.22	CO9
			20.58	310.77	-319.35	0.00	0.00	0.17	CO7
		P_y	20.67	314.97	-325.85	0.00	0.00	0.13	CO8
			20.97	283.40	-288.86	0.00	0.00	0.28	CO6
		P_z	20.97	283.40	-288.86	0.00	0.00	0.28	CO6
			20.67	314.97	-325.85	0.00	0.00	0.13	CO8
		M_x	20.97	283.40	-288.86	0.00	0.00	0.28	CO6
			20.97	283.40	-288.86	0.00	0.00	0.28	CO6
		M_y	20.97	283.40	-288.86	0.00	0.00	0.28	CO6
			20.97	283.40	-288.86	0.00	0.00	0.28	CO6
		M_z	20.97	283.40	-288.86	0.00	0.00	0.28	CO6
			20.67	314.97	-325.85	0.00	0.00	0.13	CO8
Extremes			21.10	314.97	-288.86	0.00	0.00	0.28	
703			20.58	283.40	-325.85	0.00	0.00	0.13	
704	S Ch DS2	P_x	20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
			19.46	233.92	-330.11	0.00	0.00	-0.14	CO8
		P_y	19.46	233.92	-330.11	0.00	0.00	-0.14	CO8
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
		P_z	20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
			19.46	233.92	-330.11	0.00	0.00	-0.14	CO8
		M_x	20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
		M_y	20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
		M_z	20.28	219.90	-290.63	0.00	0.00	-0.08	CO6
			19.46	233.92	-330.11	0.00	0.00	-0.14	CO8
Extremes			20.28	233.92	-290.63	0.00	0.00	-0.08	
704			19.46	219.90	-330.11	0.00	0.00	-0.14	
705	S Ch DS2	P_x	30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
			29.67	-165.77	-327.49	0.00	0.00	2.08	CO8
		P_y	30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
			29.67	-165.77	-327.49	0.00	0.00	2.08	CO8

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
705		P_z	30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
			29.67	-165.77	-327.49	0.00	0.00	2.08	CO8
		M_x	30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
		M_y	30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
		M_z	29.67	-165.77	-327.49	0.00	0.00	2.08	CO8
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO6
Extremes			30.32	-106.34	-284.83	0.00	0.00	2.08	
705			29.67	-165.77	-327.49	0.00	0.00	1.84	
706	S Ch DS2	P_x	34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
			34.25	-111.66	-321.53	0.00	0.00	0.30	CO8
		P_y	34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
			34.25	-111.66	-321.53	0.00	0.00	0.30	CO8
		P_z	34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
			34.25	-111.66	-321.53	0.00	0.00	0.30	CO8
		M_x	34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
		M_y	34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
		M_z	34.25	-111.66	-321.53	0.00	0.00	0.30	CO8
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO6
Extremes			34.29	-67.14	-277.86	0.00	0.00	0.30	
706			34.25	-111.66	-321.53	0.00	0.00	0.27	
709	S Ch DS2	P_x	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
			25.87	-36.31	-314.73	0.00	0.00	-1.89	CO8
		P_y	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
			25.87	-36.31	-314.73	0.00	0.00	-1.89	CO8
		P_z	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
			25.87	-36.31	-314.73	0.00	0.00	-1.89	CO8
		M_x	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
		M_y	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
		M_z	25.87	-36.31	-314.73	0.00	0.00	-1.89	CO8
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO6
Extremes			26.00	-18.90	-269.98	0.00	0.00	-1.89	
709			25.87	-36.31	-314.73	0.00	0.00	-1.92	
710	S Ch DS2	P_x	99.79	30.63	-260.61	0.00	0.00	2.34	CO6
			80.63	30.71	-305.48	0.00	0.00	2.37	CO8
		P_y	86.90	30.72	-294.01	0.00	0.00	2.37	CO7
			90.96	30.63	-277.06	0.00	0.00	2.33	CO9
		P_z	99.79	30.63	-260.61	0.00	0.00	2.34	CO6
			80.63	30.71	-305.48	0.00	0.00	2.37	CO8
		M_x	99.79	30.63	-260.61	0.00	0.00	2.34	CO6
			99.79	30.63	-260.61	0.00	0.00	2.34	CO6
		M_y	99.79	30.63	-260.61	0.00	0.00	2.34	CO6
			99.79	30.63	-260.61	0.00	0.00	2.34	CO6
		M_z	86.90	30.72	-294.01	0.00	0.00	2.37	CO7
			90.96	30.63	-277.06	0.00	0.00	2.33	CO9
Extremes			99.79	30.72	-260.61	0.00	0.00	2.37	
710			80.63	30.63	-305.48	0.00	0.00	2.33	
711	S Ch DS2	P_x	145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
			129.94	31.54	-298.18	0.00	0.00	-2.12	CO10
		P_y	130.61	31.55	-302.88	0.00	0.00	-2.14	CO8
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
		P_z	145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
			130.61	31.55	-302.88	0.00	0.00	-2.14	CO8
		M_x	145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
		M_y	145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
		M_z	129.94	31.54	-298.18	0.00	0.00	-2.12	CO10
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO6
Extremes			145.28	31.55	-258.99	0.00	0.00	-2.12	
711			129.94	31.17	-302.88	0.00	0.00	-2.19	
717	S Ch DS2	P_x	188.02	26.76	-206.56	0.00	0.00	0.02	CO10
			160.46	25.46	-194.04	0.00	0.00	0.01	CO7
		P_y	188.02	26.76	-206.56	0.00	0.00	0.02	CO10
			162.21	25.14	-178.16	0.00	0.00	0.01	CO6
		P_z	162.21	25.14	-178.16	0.00	0.00	0.01	CO6
			188.02	26.76	-206.56	0.00	0.00	0.02	CO10

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
717		M_x	162.21	25.14	-178.16	0.00	0.00	0.01	CO6
			162.21	25.14	-178.16	0.00	0.00	0.01	CO6
		M_y	162.21	25.14	-178.16	0.00	0.00	0.01	CO6
			162.21	25.14	-178.16	0.00	0.00	0.01	CO6
		M_z	188.02	26.76	-206.56	0.00	0.00	0.02	CO10
			160.46	25.46	-194.04	0.00	0.00	0.01	CO7
Extremes			188.02	26.76	-178.16	0.00	0.00	0.02	
717			160.46	25.14	-206.56	0.00	0.00	0.01	
718	S Ch DS2	P_x	185.77	26.40	-218.05	0.00	0.00	0.22	CO10
			169.93	25.13	-187.23	0.00	0.00	0.15	CO6
		P_y	185.77	26.40	-218.05	0.00	0.00	0.22	CO10
			169.93	25.13	-187.23	0.00	0.00	0.15	CO6
		P_z	169.93	25.13	-187.23	0.00	0.00	0.15	CO6
			185.77	26.40	-218.05	0.00	0.00	0.22	CO10
		M_x	169.93	25.13	-187.23	0.00	0.00	0.15	CO6
			169.93	25.13	-187.23	0.00	0.00	0.15	CO6
		M_y	169.93	25.13	-187.23	0.00	0.00	0.15	CO6
			169.93	25.13	-187.23	0.00	0.00	0.15	CO6
		M_z	184.09	26.22	-205.73	0.00	0.00	0.22	CO9
			169.93	25.13	-187.23	0.00	0.00	0.15	CO6
Extremes			185.77	26.40	-187.23	0.00	0.00	0.22	
718			169.93	25.13	-218.05	0.00	0.00	0.15	
719	S Ch DS2	P_x	209.29	24.17	-218.44	0.00	0.00	0.18	CO7
			201.12	24.92	-216.63	0.00	0.00	0.12	CO9
		P_y	206.79	25.16	-230.89	0.00	0.00	0.11	CO10
			202.13	23.80	-197.69	0.00	0.00	0.20	CO6
		P_z	202.13	23.80	-197.69	0.00	0.00	0.20	CO6
			209.20	24.94	-231.46	0.00	0.00	0.12	CO8
		M_x	202.13	23.80	-197.69	0.00	0.00	0.20	CO6
			202.13	23.80	-197.69	0.00	0.00	0.20	CO6
		M_y	202.13	23.80	-197.69	0.00	0.00	0.20	CO6
			202.13	23.80	-197.69	0.00	0.00	0.20	CO6
		M_z	202.13	23.80	-197.69	0.00	0.00	0.20	CO6
			206.79	25.16	-230.89	0.00	0.00	0.11	CO10
Extremes			209.29	25.16	-197.69	0.00	0.00	0.20	
719			201.12	23.80	-231.46	0.00	0.00	0.11	
720	S Ch DS2	P_x	267.88	23.02	-233.79	0.00	0.00	0.19	CO7
			235.93	24.08	-228.77	0.00	0.00	0.17	CO9
		P_y	250.21	24.35	-245.40	0.00	0.00	0.18	CO10
			247.82	22.60	-209.74	0.00	0.00	0.18	CO6
		P_z	247.82	22.60	-209.74	0.00	0.00	0.18	CO6
			259.77	24.03	-246.92	0.00	0.00	0.18	CO8
		M_x	247.82	22.60	-209.74	0.00	0.00	0.18	CO6
			247.82	22.60	-209.74	0.00	0.00	0.18	CO6
		M_y	247.82	22.60	-209.74	0.00	0.00	0.18	CO6
			247.82	22.60	-209.74	0.00	0.00	0.18	CO6
		M_z	267.88	23.02	-233.79	0.00	0.00	0.19	CO7
			235.93	24.08	-228.77	0.00	0.00	0.17	CO9
Extremes			267.88	24.35	-209.74	0.00	0.00	0.19	
720			235.93	22.60	-246.92	0.00	0.00	0.17	
721	S Ch DS2	P_x	285.87	31.65	-251.17	0.00	0.00	-0.51	CO7
			215.13	32.41	-241.53	0.00	0.00	-0.38	CO9
		P_y	248.37	32.42	-261.25	0.00	0.00	-0.32	CO10
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO6
		P_z	238.59	31.62	-222.78	0.00	0.00	-0.61	CO6
			269.59	32.19	-264.15	0.00	0.00	-0.36	CO8
		M_x	238.59	31.62	-222.78	0.00	0.00	-0.61	CO6
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO6
		M_y	238.59	31.62	-222.78	0.00	0.00	-0.61	CO6
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO6
		M_z	248.37	32.42	-261.25	0.00	0.00	-0.32	CO10
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO6
Extremes			285.87	32.42	-222.78	0.00	0.00	-0.32	
721			215.13	31.62	-264.15	0.00	0.00	-0.61	
747	S Ch DS2	P_x	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO6
			-322.96	-5.85	-329.36	3.80	6.45	-1.18	CO8
		P_y	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO6
			-322.96	-5.85	-329.36	3.80	6.45	-1.18	CO8
		P_z	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO6
			-322.96	-5.85	-329.36	3.80	6.45	-1.18	CO8
		M_x	-322.96	-5.85	-329.36	3.80	6.45	-1.18	CO8
			-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO6

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
747		M_y	-274.21	-4.99	-300.07	2.86	7.83	-0.99	CO9
			-309.11	-5.53	-320.51	3.26	3.64	-1.09	CO7
		M_z	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO6
			-322.96	-5.85	-329.36	3.80	6.45	-1.18	CO8
Extremes			-254.89	-4.54	-287.45	3.80	7.83	-0.88	
747			-322.96	-5.85	-329.36	2.08	3.64	-1.18	
749	S Ch DS2	P_x	0.59	169.07	-259.21	0.00	0.00	-0.25	CO7
			0.41	159.74	-255.90	0.00	0.00	-0.11	CO9
		P_y	0.59	175.87	-268.81	0.00	0.00	-0.24	CO8
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO6
		P_z	0.41	149.97	-242.16	0.00	0.00	-0.11	CO6
			0.59	175.87	-268.81	0.00	0.00	-0.24	CO8
		M_x	0.41	149.97	-242.16	0.00	0.00	-0.11	CO6
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO6
		M_y	0.41	149.97	-242.16	0.00	0.00	-0.11	CO6
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO6
		M_z	0.41	159.74	-255.90	0.00	0.00	-0.11	CO9
			0.59	169.07	-259.21	0.00	0.00	-0.25	CO7
Extremes			0.59	175.87	-242.16	0.00	0.00	-0.11	
749			0.41	149.97	-268.81	0.00	0.00	-0.25	
750	S Ch DS2	P_x	0.50	54.50	-276.29	0.00	0.00	-0.53	CO7
			0.34	62.79	-268.75	0.00	0.00	-0.40	CO9
		P_y	0.45	65.09	-283.54	0.00	0.00	-0.49	CO10
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO6
		P_z	0.34	51.21	-255.12	0.00	0.00	-0.40	CO6
			0.50	62.60	-285.81	0.00	0.00	-0.53	CO8
		M_x	0.34	51.21	-255.12	0.00	0.00	-0.40	CO6
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO6
		M_y	0.34	51.21	-255.12	0.00	0.00	-0.40	CO6
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO6
		M_z	0.34	62.79	-268.75	0.00	0.00	-0.40	CO9
			0.50	54.50	-276.29	0.00	0.00	-0.53	CO7
Extremes			0.50	65.09	-255.12	0.00	0.00	-0.40	
750			0.34	51.21	-285.81	0.00	0.00	-0.53	
751	S Ch DS2	P_x	40.55	1.04	-237.87	0.00	0.00	0.63	CO10
			19.67	1.15	-215.43	0.00	0.00	0.59	CO6
		P_y	30.74	1.20	-229.25	0.00	0.00	0.63	CO7
			32.90	1.01	-228.29	0.00	0.00	0.60	CO9
		P_z	19.67	1.15	-215.43	0.00	0.00	0.59	CO6
			39.92	1.10	-238.17	0.00	0.00	0.64	CO8
		M_x	19.67	1.15	-215.43	0.00	0.00	0.59	CO6
			19.67	1.15	-215.43	0.00	0.00	0.59	CO6
		M_y	19.67	1.15	-215.43	0.00	0.00	0.59	CO6
			19.67	1.15	-215.43	0.00	0.00	0.59	CO6
		M_z	39.92	1.10	-238.17	0.00	0.00	0.64	CO8
			19.67	1.15	-215.43	0.00	0.00	0.59	CO6
Extremes			40.55	1.20	-215.43	0.00	0.00	0.64	
751			19.67	1.01	-238.17	0.00	0.00	0.59	
752	S Ch DS2	P_x	50.39	0.48	-254.77	0.00	0.00	-0.10	CO10
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO6
		P_y	44.30	0.58	-244.15	0.00	0.00	-0.07	CO7
			44.99	0.47	-242.57	0.00	0.00	-0.09	CO9
		P_z	36.29	0.56	-226.63	0.00	0.00	-0.05	CO6
			50.19	0.51	-255.25	0.00	0.00	-0.10	CO8
		M_x	36.29	0.56	-226.63	0.00	0.00	-0.05	CO6
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO6
		M_y	36.29	0.56	-226.63	0.00	0.00	-0.05	CO6
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO6
		M_z	36.29	0.56	-226.63	0.00	0.00	-0.05	CO6
			50.39	0.48	-254.77	0.00	0.00	-0.10	CO10
Extremes			50.39	0.58	-226.63	0.00	0.00	-0.05	
752			36.29	0.47	-255.25	0.00	0.00	-0.10	
753	S Ch DS2	P_x	41.93	-0.20	-275.55	0.00	0.00	0.20	CO7
			33.44	-0.18	-268.08	0.00	0.00	0.19	CO9
		P_y	33.64	-0.15	-251.15	0.00	0.00	0.22	CO6
			41.59	-0.22	-287.39	0.00	0.00	0.19	CO8
		P_z	33.64	-0.15	-251.15	0.00	0.00	0.22	CO6
			41.59	-0.22	-287.39	0.00	0.00	0.19	CO8
		M_x	33.64	-0.15	-251.15	0.00	0.00	0.22	CO6
			33.64	-0.15	-251.15	0.00	0.00	0.22	CO6
		M_y	33.64	-0.15	-251.15	0.00	0.00	0.22	CO6
			33.64	-0.15	-251.15	0.00	0.00	0.22	CO6

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
753		M_z	33.64	-0.15	-251.15	0.00	0.00	0.22	CO6
			39.02	-0.21	-285.14	0.00	0.00	0.18	CO10
Extremes			41.93	-0.15	-251.15	0.00	0.00	0.22	
753			33.44	-0.22	-287.39	0.00	0.00	0.18	
754	S Ch DS2	P_x	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
			-3.68	-0.42	-295.28	0.00	0.00	-0.06	CO10
		P_y	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
			-1.86	-0.43	-298.63	0.00	0.00	-0.06	CO8
		P_z	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
			-1.86	-0.43	-298.63	0.00	0.00	-0.06	CO8
		M_x	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
		M_y	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
		M_z	-3.68	-0.42	-295.28	0.00	0.00	-0.06	CO10
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO6
Extremes			3.29	-0.39	-260.12	0.00	0.00	-0.06	
754			-3.68	-0.43	-298.63	0.00	0.00	-0.06	
772	S Ch DS2	P_x	41.61	57.88	-223.65	-278.12	11.97	1.48	CO8
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO6
		P_y	23.60	61.11	-207.46	-294.33	-2.40	1.48	CO6
			37.13	57.16	-219.07	-274.40	9.76	1.49	CO10
		P_z	23.60	61.11	-207.46	-294.33	-2.40	1.48	CO6
			41.61	57.88	-223.65	-278.12	11.97	1.48	CO8
		M_x	37.13	57.16	-219.07	-274.40	9.76	1.49	CO10
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO6
		M_y	41.61	57.88	-223.65	-278.12	11.97	1.48	CO8
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO6
		M_z	25.46	57.73	-208.02	-277.15	2.01	1.50	CO9
			40.38	60.14	-223.30	-289.66	9.27	1.46	CO7
Extremes			41.61	61.11	-207.46	-274.40	11.97	1.50	
772			23.60	57.16	-223.65	-294.33	-2.40	1.46	
779	S Ch DS2	P_x	33.20	187.40	-281.49	0.00	0.00	-0.40	CO8
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO6
		P_y	33.20	187.40	-281.49	0.00	0.00	-0.40	CO8
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO6
		P_z	26.89	141.24	-253.40	0.00	0.00	-1.03	CO6
			33.20	187.40	-281.49	0.00	0.00	-0.40	CO8
		M_x	26.89	141.24	-253.40	0.00	0.00	-1.03	CO6
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO6
		M_y	26.89	141.24	-253.40	0.00	0.00	-1.03	CO6
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO6
		M_z	32.65	183.19	-276.60	0.00	0.00	-0.26	CO7
			27.67	147.10	-260.33	0.00	0.00	-1.23	CO9
Extremes			33.20	187.40	-253.40	0.00	0.00	-0.26	
779			26.89	141.24	-281.49	0.00	0.00	-1.23	
783	S Ch DS2	P_x	66.32	0.19	-244.40	0.00	0.00	0.36	CO10
			58.34	0.22	-219.21	0.00	0.00	0.29	CO6
		P_y	63.48	0.24	-227.79	0.00	0.00	0.29	CO9
			62.44	0.15	-242.94	0.00	0.00	0.37	CO7
		P_z	58.34	0.22	-219.21	0.00	0.00	0.29	CO6
			66.02	0.17	-248.95	0.00	0.00	0.38	CO8
		M_x	58.34	0.22	-219.21	0.00	0.00	0.29	CO6
			58.34	0.22	-219.21	0.00	0.00	0.29	CO6
		M_y	58.34	0.22	-219.21	0.00	0.00	0.29	CO6
			58.34	0.22	-219.21	0.00	0.00	0.29	CO6
		M_z	66.02	0.17	-248.95	0.00	0.00	0.38	CO8
			58.34	0.22	-219.21	0.00	0.00	0.29	CO6
Extremes			66.32	0.24	-219.21	0.00	0.00	0.38	
783			58.34	0.15	-248.95	0.00	0.00	0.29	
785	S Ch DS2	P_x	-28.74	236.22	-261.77	0.00	0.00	-8.82	CO9
			-37.08	256.41	-279.34	0.00	0.00	-10.58	CO7
		P_y	-34.99	265.44	-286.02	0.00	0.00	-10.60	CO8
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO6
		P_z	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO6
			-34.99	265.44	-286.02	0.00	0.00	-10.60	CO8
		M_x	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO6
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO6
		M_y	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO6
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO6
		M_z	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO6
			-34.99	265.44	-286.02	0.00	0.00	-10.60	CO8

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
Extremes			-28.74	265.44	-252.27	0.00	0.00	-8.82	
785			-37.08	223.55	-286.02	0.00	0.00	-10.60	
	Total max/min values with corresponding values								
60	S Ch DS2	P_x	292.02	106.00	-242.48	-156.48	-15.01	-1.61	CO7
747			-322.96	-5.85	-329.36	3.80	6.45	-1.18	CO8
703		P_y	20.67	314.97	-325.85	0.00	0.00	0.13	CO8
705			29.67	-165.77	-327.49	0.00	0.00	2.08	CO8
343		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO6
468			-0.11	-6.10	-360.98	0.76	-2.05	-0.50	CO8
20		M_x	-95.60	-7.70	-302.37	144.04	-86.05	8.59	CO8
772			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO6
422		M_y	33.22	161.65	-249.76	-29.03	58.13	0.39	CO8
20			-95.60	-7.70	-302.37	144.04	-86.05	8.59	CO8
322		M_z	-41.16	268.72	-282.76	0.00	0.00	18.93	CO8
71			9.38	298.12	-244.07	-80.02	19.00	-16.74	CO8
20	S Fr DS3	P_x	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO11
			-86.63	-6.66	-278.87	131.08	-77.81	8.08	CO15
		P_y	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO11
			-86.63	-6.66	-278.87	131.08	-77.81	8.08	CO15
		P_z	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO11
			-85.29	-5.27	-281.04	130.07	-79.74	7.65	CO13
		M_x	-86.63	-6.66	-278.87	131.08	-77.81	8.08	CO15
			-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO11
		M_y	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO11
			-85.29	-5.27	-281.04	130.07	-79.74	7.65	CO13
		M_z	-86.63	-6.66	-278.87	131.08	-77.81	8.08	CO15
			-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO11
Extremes			-78.36	-4.31	-263.55	131.08	-73.86	8.08	
20			-86.63	-6.66	-281.04	120.04	-79.74	7.19	
25	S Fr DS3	P_x	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO11
			-177.71	4.36	-286.71	-16.38	-41.27	-0.13	CO13
		P_y	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO11
			-176.53	4.33	-285.74	-16.12	-38.43	-0.11	CO15
		P_z	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO11
			-177.71	4.36	-286.71	-16.38	-41.27	-0.13	CO13
		M_x	-176.53	4.33	-285.74	-16.12	-38.43	-0.11	CO15
			-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO11
		M_y	-168.34	4.47	-277.06	-16.51	-35.13	-0.14	CO14
			-174.87	4.45	-283.51	-16.73	-41.70	-0.16	CO12
		M_z	-176.53	4.33	-285.74	-16.12	-38.43	-0.11	CO15
			-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO11
Extremes			-161.23	4.68	-269.03	-16.12	-35.13	-0.11	
25			-177.71	4.33	-286.71	-17.39	-41.70	-0.21	
32	S Fr DS3	P_x	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO11
			2.03	-0.41	-281.41	-9.44	-29.39	-0.35	CO15
		P_y	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO11
			2.53	-0.41	-281.56	-9.65	-32.02	-0.35	CO13
		P_z	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO11
			2.53	-0.41	-281.56	-9.65	-32.02	-0.35	CO13
		M_x	2.03	-0.41	-281.41	-9.44	-29.39	-0.35	CO15
			3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO11
		M_y	2.40	-0.26	-273.36	-9.88	-26.41	-0.34	CO14
			3.03	-0.34	-278.08	-9.98	-32.45	-0.34	CO12
		M_z	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO11
			2.03	-0.41	-281.41	-9.44	-29.39	-0.35	CO15
Extremes			3.66	-0.08	-264.64	-9.44	-26.41	-0.32	
32			2.03	-0.41	-281.56	-10.72	-32.45	-0.35	
39	S Fr DS3	P_x	60.40	39.87	-266.23	-58.24	-46.19	0.39	CO13
			55.44	41.43	-251.22	-65.21	-39.10	0.42	CO11
		P_y	56.01	42.04	-259.83	-57.81	-39.11	0.38	CO14
			60.16	39.62	-262.79	-61.18	-46.19	0.41	CO12
		P_z	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO11
			58.85	40.97	-266.76	-55.43	-43.36	0.38	CO15
		M_x	58.85	40.97	-266.76	-55.43	-43.36	0.38	CO15
			55.44	41.43	-251.22	-65.21	-39.10	0.42	CO11
		M_y	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO11
			60.40	39.87	-266.23	-58.24	-46.19	0.39	CO13
		M_z	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO11
			58.85	40.97	-266.76	-55.43	-43.36	0.38	CO15
Extremes			60.40	42.04	-251.22	-55.43	-39.10	0.42	
39			55.44	39.62	-266.76	-65.21	-46.19	0.38	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
45	S Fr DS3	P_x	10.79	9.45	-248.53	-25.81	-29.18	0.89	CO14
			9.49	9.72	-249.70	-26.45	-33.19	0.90	CO12
		P_y	9.49	9.72	-249.70	-26.45	-33.19	0.90	CO12
			10.79	9.45	-248.53	-25.81	-29.18	0.89	CO14
		P_z	9.71	9.61	-239.83	-26.80	-28.47	0.85	CO11
			10.66	9.52	-254.44	-25.61	-32.00	0.92	CO15
		M_x	10.66	9.52	-254.44	-25.61	-32.00	0.92	CO15
			9.71	9.61	-239.83	-26.80	-28.47	0.85	CO11
		M_y	9.71	9.61	-239.83	-26.80	-28.47	0.85	CO11
			9.93	9.66	-253.17	-26.06	-33.46	0.91	CO13
		M_z	10.66	9.52	-254.44	-25.61	-32.00	0.92	CO15
			9.71	9.61	-239.83	-26.80	-28.47	0.85	CO11
Extremes			10.79	9.72	-239.83	-25.61	-28.47	0.92	
45			9.49	9.45	-254.44	-26.80	-33.46	0.85	
51	S Fr DS3	P_x	177.25	91.93	-192.11	-118.27	-7.48	-0.60	CO14
			157.27	89.94	-191.51	-117.60	-12.29	-0.61	CO12
		P_y	172.07	92.27	-197.17	-118.35	-10.26	-0.57	CO15
			165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO11
		P_z	165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO11
			172.07	92.27	-197.17	-118.35	-10.26	-0.57	CO15
		M_x	165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO11
			172.07	92.27	-197.17	-118.35	-10.26	-0.57	CO15
		M_y	177.25	91.93	-192.11	-118.27	-7.48	-0.60	CO14
			157.27	89.94	-191.51	-117.60	-12.29	-0.61	CO12
		M_z	172.07	92.27	-197.17	-118.35	-10.26	-0.57	CO15
			165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO11
Extremes			177.25	92.27	-182.96	-117.58	-7.48	-0.57	
51			157.27	89.42	-197.17	-118.35	-12.29	-0.66	
54	S Fr DS3	P_x	188.08	93.11	-202.14	-126.18	-10.05	-0.61	CO14
			177.92	93.23	-202.42	-127.68	-14.94	-0.62	CO12
		P_y	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO11
			183.70	92.98	-207.92	-125.55	-13.19	-0.60	CO15
		P_z	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO11
			183.70	92.98	-207.92	-125.55	-13.19	-0.60	CO15
		M_x	183.70	92.98	-207.92	-125.55	-13.19	-0.60	CO15
			184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO11
		M_y	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO11
			179.05	93.09	-206.16	-126.66	-15.08	-0.61	CO13
		M_z	183.70	92.98	-207.92	-125.55	-13.19	-0.60	CO15
			184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO11
Extremes			188.08	93.48	-192.66	-125.55	-9.73	-0.60	
54			177.92	92.98	-207.92	-128.83	-15.08	-0.64	
57	S Fr DS3	P_x	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO11
			226.78	99.55	-220.24	-140.67	-12.93	-0.91	CO15
		P_y	226.78	99.55	-220.24	-140.67	-12.93	-0.91	CO15
			233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO11
		P_z	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO11
			226.78	99.55	-220.24	-140.67	-12.93	-0.91	CO15
		M_x	228.59	98.37	-219.01	-140.46	-14.73	-0.89	CO13
			233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO11
		M_y	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO11
			228.59	98.37	-219.01	-140.46	-14.73	-0.89	CO13
		M_z	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO11
			226.78	99.55	-220.24	-140.67	-12.93	-0.91	CO15
Extremes			233.28	99.55	-203.97	-140.46	-8.75	-0.88	
57			226.78	97.23	-220.24	-141.16	-14.73	-0.91	
60	S Fr DS3	P_x	282.54	105.63	-229.54	-156.88	-9.67	-1.58	CO12
			260.33	108.22	-226.04	-158.14	-5.61	-1.58	CO14
		P_y	265.99	108.44	-233.80	-157.89	-8.81	-1.60	CO15
			272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO11
		P_z	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO11
			265.99	108.44	-233.80	-157.89	-8.81	-1.60	CO15
		M_x	282.54	105.63	-229.54	-156.88	-9.67	-1.58	CO12
			260.33	108.22	-226.04	-158.14	-5.61	-1.58	CO14
		M_y	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO11
			277.43	106.81	-233.31	-157.21	-10.18	-1.59	CO13
		M_z	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO11
			265.99	108.44	-233.80	-157.89	-8.81	-1.60	CO15
Extremes			282.54	108.44	-216.46	-156.88	-4.39	-1.55	
60			260.33	105.27	-233.80	-158.14	-10.18	-1.60	
71	S Fr DS3	P_x	3.80	287.13	-232.74	-80.90	21.92	-15.83	CO15
			-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO11

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
71		P_y	0.61	298.39	-229.24	-83.72	21.87	-15.94	CO12
			2.07	281.16	-228.89	-80.90	22.95	-15.47	CO14
		P_z	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO11
			3.80	287.13	-232.74	-80.90	21.92	-15.83	CO15
		M_x	3.80	287.13	-232.74	-80.90	21.92	-15.83	CO15
			-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO11
		M_y	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO11
			2.35	295.48	-231.67	-82.59	21.62	-15.99	CO13
		M_z	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO11
			2.35	295.48	-231.67	-82.59	21.62	-15.99	CO13
Extremes			3.80	298.39	-222.81	-80.90	23.61	-15.33	
71			-2.25	281.16	-232.74	-83.82	21.62	-15.99	
72	S Fr DS3	P_x	42.48	7.45	-242.61	-24.39	-28.94	0.06	CO15
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO11
		P_y	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO11
			42.48	7.45	-242.61	-24.39	-28.94	0.06	CO15
		P_z	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO11
			42.48	7.45	-242.61	-24.39	-28.94	0.06	CO15
		M_x	42.48	7.45	-242.61	-24.39	-28.94	0.06	CO15
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO11
		M_y	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO11
			40.58	8.10	-241.23	-25.53	-29.56	0.06	CO13
		M_z	40.58	8.10	-241.23	-25.53	-29.56	0.06	CO13
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO11
Extremes			42.48	8.79	-229.80	-24.39	-23.36	0.06	
72			36.73	7.45	-242.61	-26.94	-29.56	0.00	
74	S Fr DS3	P_x	74.67	63.93	-252.74	0.00	0.00	-0.46	CO13
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO11
		P_y	74.67	63.93	-252.74	0.00	0.00	-0.46	CO13
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO11
		P_z	68.36	58.60	-239.11	0.00	0.00	-0.45	CO11
			72.62	62.62	-253.70	0.00	0.00	-0.44	CO15
		M_x	68.36	58.60	-239.11	0.00	0.00	-0.45	CO11
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO11
		M_y	68.36	58.60	-239.11	0.00	0.00	-0.45	CO11
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO11
		M_z	68.98	59.68	-247.56	0.00	0.00	-0.44	CO14
			74.42	63.49	-249.36	0.00	0.00	-0.46	CO12
Extremes			74.67	63.93	-239.11	0.00	0.00	-0.44	
74			68.36	58.60	-253.70	0.00	0.00	-0.46	
99	S Fr DS3	P_x	25.87	-29.16	-262.90	0.00	0.00	-2.31	CO15
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO11
		P_y	24.18	-28.87	-264.01	0.00	0.00	-2.39	CO12
			24.12	-29.32	-256.25	0.00	0.00	-2.24	CO14
		P_z	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO11
			25.33	-28.94	-265.34	0.00	0.00	-2.38	CO13
		M_x	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO11
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO11
		M_y	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO11
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO11
		M_z	24.12	-29.32	-256.25	0.00	0.00	-2.24	CO14
			24.18	-28.87	-264.01	0.00	0.00	-2.39	CO12
Extremes			25.87	-28.87	-252.93	0.00	0.00	-2.24	
99			21.29	-29.32	-265.34	0.00	0.00	-2.39	
100	S Fr DS3	P_x	98.46	12.33	-265.49	0.00	0.00	-6.28	CO12
			88.80	12.75	-257.81	0.00	0.00	-5.80	CO14
		P_y	93.33	12.81	-266.22	0.00	0.00	-6.04	CO15
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO11
		P_z	90.89	12.24	-251.45	0.00	0.00	-5.87	CO11
			97.62	12.53	-268.02	0.00	0.00	-6.25	CO13
		M_x	90.89	12.24	-251.45	0.00	0.00	-5.87	CO11
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO11
		M_y	90.89	12.24	-251.45	0.00	0.00	-5.87	CO11
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO11
		M_z	88.80	12.75	-257.81	0.00	0.00	-5.80	CO14
			98.46	12.33	-265.49	0.00	0.00	-6.28	CO12
Extremes			98.46	12.81	-251.45	0.00	0.00	-5.80	
100			88.80	12.24	-268.02	0.00	0.00	-6.28	
101	S Fr DS3	P_x	139.14	90.71	-249.22	0.00	0.00	-2.62	CO13
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO11
		P_y	139.14	90.71	-249.22	0.00	0.00	-2.62	CO13
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO11

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
101		P_z	127.39	86.37	-234.23	0.00	0.00	-2.72	CO11
			139.14	90.71	-249.22	0.00	0.00	-2.62	CO13
		M_x	127.39	86.37	-234.23	0.00	0.00	-2.72	CO11
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO11
		M_y	127.39	86.37	-234.23	0.00	0.00	-2.72	CO11
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO11
		M_z	138.81	89.84	-247.08	0.00	0.00	-2.51	CO12
			128.24	88.56	-239.60	0.00	0.00	-2.98	CO14
Extremes			139.14	90.71	-234.23	0.00	0.00	-2.51	
101			127.39	86.37	-249.22	0.00	0.00	-2.98	
135	S Fr DS3	P_x	160.44	292.80	-300.73	0.00	0.00	-0.20	CO13
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO11
		P_y	160.44	292.80	-300.73	0.00	0.00	-0.20	CO13
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO11
		P_z	154.40	277.17	-284.88	0.00	0.00	-0.19	CO11
			160.44	292.80	-300.73	0.00	0.00	-0.20	CO13
		M_x	154.40	277.17	-284.88	0.00	0.00	-0.19	CO11
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO11
		M_y	154.40	277.17	-284.88	0.00	0.00	-0.19	CO11
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO11
		M_z	156.62	280.71	-288.69	0.00	0.00	-0.19	CO14
			159.53	291.37	-299.20	0.00	0.00	-0.21	CO12
Extremes			160.44	292.80	-284.88	0.00	0.00	-0.19	
135			154.40	277.17	-300.73	0.00	0.00	-0.21	
138	S Fr DS3	P_x	250.24	22.11	-277.64	0.00	0.00	0.30	CO13
			237.91	16.52	-262.85	0.00	0.00	0.31	CO11
		P_y	250.24	22.11	-277.64	0.00	0.00	0.30	CO13
			241.03	16.52	-266.71	0.00	0.00	0.30	CO14
		P_z	237.91	16.52	-262.85	0.00	0.00	0.31	CO11
			250.24	22.11	-277.64	0.00	0.00	0.30	CO13
		M_x	237.91	16.52	-262.85	0.00	0.00	0.31	CO11
			237.91	16.52	-262.85	0.00	0.00	0.31	CO11
		M_y	237.91	16.52	-262.85	0.00	0.00	0.31	CO11
			237.91	16.52	-262.85	0.00	0.00	0.31	CO11
		M_z	237.91	16.52	-262.85	0.00	0.00	0.31	CO11
			250.24	22.11	-277.64	0.00	0.00	0.30	CO13
Extremes			250.24	22.11	-262.85	0.00	0.00	0.31	
138			237.91	16.52	-277.64	0.00	0.00	0.30	
139	S Fr DS3	P_x	76.34	179.25	-273.86	0.00	0.00	-1.32	CO13
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO11
		P_y	76.34	179.25	-273.86	0.00	0.00	-1.32	CO13
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO11
		P_z	70.40	161.08	-260.40	0.00	0.00	-1.32	CO11
			76.34	179.25	-273.86	0.00	0.00	-1.32	CO13
		M_x	70.40	161.08	-260.40	0.00	0.00	-1.32	CO11
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO11
		M_y	70.40	161.08	-260.40	0.00	0.00	-1.32	CO11
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO11
		M_z	76.31	179.00	-272.56	0.00	0.00	-1.31	CO12
			70.44	161.66	-263.63	0.00	0.00	-1.33	CO14
Extremes			76.34	179.25	-260.40	0.00	0.00	-1.31	
139			70.40	161.08	-273.86	0.00	0.00	-1.33	
286	S Fr DS3	P_x	-2.42	98.68	-262.91	-45.71	-4.22	-0.37	CO14
			-2.75	94.58	-266.36	-50.77	-5.06	-0.41	CO12
		P_y	-2.42	98.68	-262.91	-45.71	-4.22	-0.37	CO14
			-2.75	94.58	-266.36	-50.77	-5.06	-0.41	CO12
		P_z	-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO11
			-2.57	97.74	-269.61	-41.35	-4.62	-0.41	CO15
		M_x	-2.57	97.74	-269.61	-41.35	-4.62	-0.41	CO15
			-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO11
		M_y	-2.42	98.68	-262.91	-45.71	-4.22	-0.37	CO14
			-2.75	94.58	-266.36	-50.77	-5.06	-0.41	CO12
		M_z	-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO11
			-2.71	95.59	-269.45	-45.83	-4.99	-0.42	CO13
Extremes			-2.42	98.68	-255.18	-41.35	-4.22	-0.35	
286			-2.75	94.58	-269.61	-58.14	-5.06	-0.42	
322	S Fr DS3	P_x	-41.07	238.08	-261.11	0.00	0.00	16.81	CO12
			-47.63	238.60	-252.60	0.00	0.00	16.27	CO14
		P_y	-45.35	246.06	-260.98	0.00	0.00	16.99	CO15
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO11
		P_z	-44.88	225.57	-247.13	0.00	0.00	15.61	CO11
			-42.17	243.26	-263.30	0.00	0.00	17.07	CO13

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
322		M_x	-44.88	225.57	-247.13	0.00	0.00	15.61	CO11
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO11
		M_y	-44.88	225.57	-247.13	0.00	0.00	15.61	CO11
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO11
		M_z	-42.17	243.26	-263.30	0.00	0.00	17.07	CO13
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO11
Extremes			-41.07	246.06	-247.13	0.00	0.00	17.07	
322			-47.63	225.57	-263.30	0.00	0.00	15.61	
340	S Fr DS3	P_x	-82.23	13.61	-189.09	-23.61	4.71	2.95	CO11
			-88.82	13.43	-196.03	-23.35	4.88	2.93	CO13
		P_y	-85.57	13.86	-191.67	-24.00	4.82	3.05	CO14
			-87.50	13.33	-195.01	-23.19	4.84	2.89	CO12
		P_z	-82.23	13.61	-189.09	-23.61	4.71	2.95	CO11
			-88.82	13.43	-196.03	-23.35	4.88	2.93	CO13
		M_x	-87.50	13.33	-195.01	-23.19	4.84	2.89	CO12
			-85.57	13.86	-191.67	-24.00	4.82	3.05	CO14
		M_y	-88.71	13.70	-195.21	-23.75	4.90	3.01	CO15
			-82.23	13.61	-189.09	-23.61	4.71	2.95	CO11
		M_z	-85.57	13.86	-191.67	-24.00	4.82	3.05	CO14
			-87.50	13.33	-195.01	-23.19	4.84	2.89	CO12
Extremes			-82.23	13.86	-189.09	-23.19	4.90	3.05	
340			-88.82	13.33	-196.03	-24.00	4.71	2.89	
341	S Fr DS3	P_x	91.50	4.18	-188.22	-20.59	-8.68	-2.65	CO12
			90.43	5.23	-185.14	-21.53	-8.46	-2.82	CO14
		P_y	90.43	5.23	-185.14	-21.53	-8.46	-2.82	CO14
			91.50	4.18	-188.22	-20.59	-8.68	-2.65	CO12
		P_z	91.32	4.34	-182.47	-20.97	-8.39	-2.70	CO11
			91.15	4.53	-189.28	-20.81	-8.70	-2.69	CO13
		M_x	91.50	4.18	-188.22	-20.59	-8.68	-2.65	CO12
			90.43	5.23	-185.14	-21.53	-8.46	-2.82	CO14
		M_y	91.32	4.34	-182.47	-20.97	-8.39	-2.70	CO11
			91.15	4.53	-189.28	-20.81	-8.70	-2.69	CO13
		M_z	91.50	4.18	-188.22	-20.59	-8.68	-2.65	CO12
			90.43	5.23	-185.14	-21.53	-8.46	-2.82	CO14
Extremes			91.50	5.23	-182.47	-20.59	-8.39	-2.65	
341			90.43	4.18	-189.28	-21.53	-8.70	-2.82	
342	S Fr DS3	P_x	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO11
			-83.09	14.59	-182.47	-21.14	7.15	2.04	CO13
		P_y	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO11
			-81.55	14.38	-180.34	-20.90	7.12	2.03	CO15
		P_z	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO11
			-83.09	14.59	-182.47	-21.14	7.15	2.04	CO13
		M_x	-81.55	14.38	-180.34	-20.90	7.12	2.03	CO15
			-76.82	14.73	-174.75	-21.65	6.88	2.10	CO11
		M_y	-83.09	14.59	-182.47	-21.14	7.15	2.04	CO13
			-76.82	14.73	-174.75	-21.65	6.88	2.10	CO11
		M_z	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO11
			-81.55	14.38	-180.34	-20.90	7.12	2.03	CO15
Extremes			-76.82	14.73	-174.75	-20.90	7.15	2.10	
342			-83.09	14.38	-182.47	-21.65	6.88	2.03	
343	S Fr DS3	P_x	73.66	-1.86	-177.23	-16.74	-10.08	-1.84	CO12
			73.12	-1.48	-171.61	-16.66	-9.67	-1.84	CO14
		P_y	73.12	-1.48	-171.61	-16.66	-9.67	-1.84	CO14
			73.66	-1.86	-177.23	-16.74	-10.08	-1.84	CO12
		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO11
			73.61	-1.84	-177.76	-16.56	-10.09	-1.83	CO13
		M_x	73.35	-1.67	-175.77	-16.43	-9.93	-1.81	CO15
			73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO11
		M_y	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO11
			73.61	-1.84	-177.76	-16.56	-10.09	-1.83	CO13
		M_z	73.35	-1.67	-175.77	-16.43	-9.93	-1.81	CO15
			73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO11
Extremes			73.66	-1.48	-170.26	-16.43	-9.64	-1.81	
343			73.12	-1.86	-177.76	-17.12	-10.09	-1.88	
365	S Fr DS3	P_x	-146.16	42.11	-290.18	0.00	0.00	0.24	CO11
			-167.15	28.92	-309.09	0.00	0.00	0.12	CO13
		P_y	-146.16	42.11	-290.18	0.00	0.00	0.24	CO11
			-167.15	28.92	-309.09	0.00	0.00	0.12	CO13
		P_z	-146.16	42.11	-290.18	0.00	0.00	0.24	CO11
			-167.15	28.92	-309.09	0.00	0.00	0.12	CO13
		M_x	-146.16	42.11	-290.18	0.00	0.00	0.24	CO11
			-146.16	42.11	-290.18	0.00	0.00	0.24	CO11

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
365		M_y	-146.16	42.11	-290.18	0.00	0.00	0.24	CO11
			-146.16	42.11	-290.18	0.00	0.00	0.24	CO11
		M_z	-146.16	42.11	-290.18	0.00	0.00	0.24	CO11
			-167.15	28.92	-309.09	0.00	0.00	0.12	CO13
Extremes			-146.16	42.11	-290.18	0.00	0.00	0.24	
365			-167.15	28.92	-309.09	0.00	0.00	0.12	
370	S Fr DS3	P_x	142.34	-59.90	-257.23	-133.00	0.92	-4.03	CO11
			134.82	-77.66	-276.26	-134.81	-3.77	-4.06	CO13
		P_y	140.04	-59.50	-265.73	-129.43	0.95	-3.93	CO14
			135.71	-77.69	-272.90	-136.19	-3.77	-4.10	CO12
		P_z	142.34	-59.90	-257.23	-133.00	0.92	-4.03	CO11
			134.82	-77.66	-276.26	-134.81	-3.77	-4.06	CO13
		M_x	140.04	-59.50	-265.73	-129.43	0.95	-3.93	CO14
			135.71	-77.69	-272.90	-136.19	-3.77	-4.10	CO12
		M_y	140.04	-59.50	-265.73	-129.43	0.95	-3.93	CO14
			135.71	-77.69	-272.90	-136.19	-3.77	-4.10	CO12
		M_z	140.04	-59.50	-265.73	-129.43	0.95	-3.93	CO14
			135.71	-77.69	-272.90	-136.19	-3.77	-4.10	CO12
Extremes			142.34	-59.50	-257.23	-129.43	0.95	-3.93	
370			134.82	-77.69	-276.26	-136.19	-3.77	-4.10	
372	S Fr DS3	P_x	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO11
			-2.36	159.08	-296.58	-86.11	-6.50	0.40	CO13
		P_y	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO11
			-2.36	159.08	-296.58	-86.11	-6.50	0.40	CO13
		P_z	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO11
			-2.36	159.08	-296.58	-86.11	-6.50	0.40	CO13
		M_x	-2.13	164.14	-284.28	-83.13	-5.65	0.42	CO14
			-2.32	160.96	-293.42	-87.63	-6.46	0.40	CO12
		M_y	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO11
			-2.36	159.08	-296.58	-86.11	-6.50	0.40	CO13
		M_z	-2.13	164.14	-284.28	-83.13	-5.65	0.42	CO14
			-2.32	160.96	-293.42	-87.63	-6.46	0.40	CO12
Extremes			-2.04	168.73	-276.32	-83.13	-5.55	0.42	
372			-2.36	159.08	-296.58	-87.63	-6.50	0.40	
377	S Fr DS3	P_x	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO11
			-3.41	-21.07	-306.08	-69.60	-10.74	1.85	CO13
		P_y	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO11
			-3.35	-24.44	-303.65	-68.04	-10.33	1.84	CO15
		P_z	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO11
			-3.41	-21.07	-306.08	-69.60	-10.74	1.85	CO13
		M_x	-3.35	-24.44	-303.65	-68.04	-10.33	1.84	CO15
			-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO11
		M_y	-3.14	-18.65	-293.56	-69.78	-9.72	1.75	CO14
			-3.35	-16.24	-303.22	-71.41	-10.74	1.81	CO12
		M_z	-3.41	-21.07	-306.08	-69.60	-10.74	1.85	CO13
			-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO11
Extremes			-3.00	-6.57	-286.35	-68.04	-9.72	1.85	
377			-3.41	-24.44	-306.08	-74.41	-10.74	1.67	
415	S Fr DS3	P_x	0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO11
			-4.04	203.13	-205.62	-110.27	-79.07	-3.83	CO13
		P_y	-0.56	210.75	-203.14	-110.04	-77.17	-3.76	CO14
			-3.70	198.62	-202.83	-111.22	-80.06	-3.85	CO12
		P_z	0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO11
			-2.96	210.22	-207.14	-109.32	-77.42	-3.79	CO15
		M_x	-2.96	210.22	-207.14	-109.32	-77.42	-3.79	CO15
			0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO11
		M_y	-0.56	210.75	-203.14	-110.04	-77.17	-3.76	CO14
			-3.70	198.62	-202.83	-111.22	-80.06	-3.85	CO12
		M_z	-0.56	210.75	-203.14	-110.04	-77.17	-3.76	CO14
			-3.70	198.62	-202.83	-111.22	-80.06	-3.85	CO12
Extremes			0.26	210.75	-196.09	-109.32	-77.17	-3.76	
415			-4.04	198.62	-207.14	-112.47	-80.06	-3.85	
417	S Fr DS3	P_x	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO11
			64.46	131.53	-186.29	-80.10	-83.72	0.94	CO13
		P_y	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO11
			65.16	131.37	-188.14	-79.08	-82.12	1.01	CO15
		P_z	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO11
			65.16	131.37	-188.14	-79.08	-82.12	1.01	CO15
		M_x	65.16	131.37	-188.14	-79.08	-82.12	1.01	CO15
			67.80	140.55	-176.51	-82.07	-84.03	0.77	CO11
		M_y	66.97	135.58	-184.13	-79.65	-81.77	0.95	CO14
			64.80	133.50	-183.27	-81.03	-84.63	0.87	CO12

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
417		M_z	65.16	131.37	-188.14	-79.08	-82.12	1.01	CO15
			67.80	140.55	-176.51	-82.07	-84.03	0.77	CO11
Extremes			67.80	140.55	-176.51	-79.08	-81.77	1.01	
417			64.46	131.37	-188.14	-82.07	-84.63	0.77	
419	S Fr DS3	P_x	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO11
			-72.81	212.93	-203.73	-79.75	-61.16	-0.29	CO15
		P_y	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO11
			-72.81	212.93	-203.73	-79.75	-61.16	-0.29	CO15
		P_z	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO11
			-72.81	212.93	-203.73	-79.75	-61.16	-0.29	CO15
		M_x	-72.81	212.93	-203.73	-79.75	-61.16	-0.29	CO15
			-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO11
		M_y	-72.77	218.11	-199.72	-80.37	-60.98	-0.27	CO14
			-72.17	218.51	-199.40	-82.21	-61.41	-0.37	CO12
		M_z	-72.77	218.11	-199.72	-80.37	-60.98	-0.27	CO14
			-72.17	218.51	-199.40	-82.21	-61.41	-0.37	CO12
Extremes			-72.11	227.13	-192.67	-79.75	-60.98	-0.27	
419			-72.81	212.93	-203.73	-83.32	-61.41	-0.37	
422	S Fr DS3	P_x	30.69	149.92	-237.79	-30.02	54.64	0.40	CO13
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO11
		P_y	30.69	149.92	-237.79	-30.02	54.64	0.40	CO13
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO11
		P_z	28.65	138.93	-229.23	-30.55	51.57	0.40	CO11
			30.58	146.58	-238.76	-29.44	54.06	0.35	CO15
		M_x	30.58	146.58	-238.76	-29.44	54.06	0.35	CO15
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO11
		M_y	30.69	149.92	-237.79	-30.02	54.64	0.40	CO13
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO11
		M_z	30.31	149.36	-235.48	-30.43	54.29	0.43	CO12
			29.58	140.32	-235.01	-29.48	52.43	0.33	CO14
Extremes			30.69	149.92	-229.23	-29.44	54.64	0.43	
422			28.65	138.93	-238.76	-30.55	51.57	0.33	
424	S Fr DS3	P_x	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO11
			-73.97	250.98	-218.65	-80.43	-45.83	1.58	CO15
		P_y	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO11
			-73.97	250.98	-218.65	-80.43	-45.83	1.58	CO15
		P_z	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO11
			-73.97	250.98	-218.65	-80.43	-45.83	1.58	CO15
		M_x	-73.97	250.98	-218.65	-80.43	-45.83	1.58	CO15
			-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO11
		M_y	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO11
			-73.97	250.98	-218.65	-80.43	-45.83	1.58	CO15
		M_z	-73.10	265.12	-214.78	-83.44	-45.50	1.68	CO12
			-73.61	251.85	-214.68	-80.78	-45.29	1.45	CO14
Extremes			-72.50	266.64	-208.13	-80.43	-44.61	1.68	
424			-73.97	250.98	-218.65	-84.11	-45.83	1.45	
443	S Fr DS3	P_x	101.66	238.47	-178.64	-226.60	-10.45	10.20	CO14
			84.90	224.23	-177.33	-230.03	-14.46	10.52	CO12
		P_y	101.66	238.47	-178.64	-226.60	-10.45	10.20	CO14
			84.90	224.23	-177.33	-230.03	-14.46	10.52	CO12
		P_z	88.04	227.28	-170.32	-232.31	-10.75	10.69	CO11
			99.76	236.58	-182.79	-225.32	-12.65	10.10	CO15
		M_x	99.76	236.58	-182.79	-225.32	-12.65	10.10	CO15
			88.04	227.28	-170.32	-232.31	-10.75	10.69	CO11
		M_y	101.66	238.47	-178.64	-226.60	-10.45	10.20	CO14
			84.90	224.23	-177.33	-230.03	-14.46	10.52	CO12
		M_z	88.04	227.28	-170.32	-232.31	-10.75	10.69	CO11
			99.76	236.58	-182.79	-225.32	-12.65	10.10	CO15
Extremes			101.66	238.47	-170.32	-225.32	-10.45	10.69	
443			84.90	224.23	-182.79	-232.31	-14.46	10.10	
445	S Fr DS3	P_x	136.85	-123.96	-245.58	-188.81	-10.12	6.09	CO12
			123.50	-107.87	-239.39	-184.77	-5.86	5.96	CO14
		P_y	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO11
			133.70	-124.91	-249.27	-186.23	-10.37	6.04	CO13
		P_z	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO11
			133.70	-124.91	-249.27	-186.23	-10.37	6.04	CO13
		M_x	126.79	-118.94	-248.64	-183.33	-8.80	5.96	CO15
			131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO11
		M_y	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO11
			133.70	-124.91	-249.27	-186.23	-10.37	6.04	CO13
		M_z	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO11
			126.79	-118.94	-248.64	-183.33	-8.80	5.96	CO15

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
Extremes			136.85	-105.75	-230.04	-183.33	-5.22	6.10	
445			123.50	-124.91	-249.27	-191.30	-10.37	5.96	
465	S Fr DS3	P_x	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO11
			-7.54	1.66	-317.25	-12.81	-12.59	-0.44	CO13
		P_y	-6.74	2.96	-303.75	-14.55	-11.10	-0.42	CO14
			-7.53	1.66	-314.69	-12.96	-12.59	-0.43	CO12
		P_z	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO11
			-7.54	1.66	-317.25	-12.81	-12.59	-0.44	CO13
		M_x	-7.54	1.66	-317.25	-12.81	-12.59	-0.44	CO13
			-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO11
		M_y	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO11
			-7.54	1.66	-317.25	-12.81	-12.59	-0.44	CO13
		M_z	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO11
			-7.54	1.66	-317.25	-12.81	-12.59	-0.44	CO13
Extremes			-6.71	2.96	-297.34	-12.81	-11.09	-0.40	
465			-7.54	1.66	-317.25	-14.94	-12.59	-0.44	
468	S Fr DS3	P_x	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO11
			0.00	-4.31	-335.58	-2.52	-1.59	-0.44	CO13
		P_y	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO11
			0.00	-4.31	-335.58	-2.52	-1.59	-0.44	CO13
		P_z	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO11
			0.00	-4.31	-335.58	-2.52	-1.59	-0.44	CO13
		M_x	0.00	-4.31	-335.58	-2.52	-1.59	-0.44	CO13
			0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO11
		M_y	0.08	-2.52	-321.12	-5.03	-1.13	-0.43	CO14
			0.00	-4.30	-332.84	-2.71	-1.60	-0.43	CO12
		M_z	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO11
			0.03	-3.60	-332.25	-3.35	-1.40	-0.45	CO15
Extremes			0.09	-2.51	-314.28	-2.52	-1.13	-0.40	
468			0.00	-4.31	-335.58	-5.53	-1.60	-0.45	
542	S Fr DS3	P_x	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
			-25.65	-108.36	-282.37	0.00	0.00	0.75	CO13
		P_y	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
			-25.65	-108.36	-282.37	0.00	0.00	0.75	CO13
		P_z	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
			-25.65	-108.36	-282.37	0.00	0.00	0.75	CO13
		M_x	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
		M_y	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
		M_z	-25.65	-108.36	-282.37	0.00	0.00	0.75	CO13
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO11
Extremes			-17.88	-101.68	-261.83	0.00	0.00	0.75	
542			-25.65	-108.36	-282.37	0.00	0.00	0.73	
547	S Fr DS3	P_x	20.24	71.71	-195.63	0.00	0.00	0.05	CO14
			16.18	72.89	-193.73	0.00	0.00	0.05	CO12
		P_y	16.94	73.41	-195.31	0.00	0.00	0.05	CO13
			18.35	70.43	-191.68	0.00	0.00	0.05	CO11
		P_z	18.35	70.43	-191.68	0.00	0.00	0.05	CO11
			18.94	73.19	-196.86	0.00	0.00	0.05	CO15
		M_x	18.35	70.43	-191.68	0.00	0.00	0.05	CO11
			18.35	70.43	-191.68	0.00	0.00	0.05	CO11
		M_y	18.35	70.43	-191.68	0.00	0.00	0.05	CO11
			18.35	70.43	-191.68	0.00	0.00	0.05	CO11
		M_z	18.35	70.43	-191.68	0.00	0.00	0.05	CO11
			18.94	73.19	-196.86	0.00	0.00	0.05	CO15
Extremes			20.24	73.41	-191.68	0.00	0.00	0.05	
547			16.18	70.43	-196.86	0.00	0.00	0.05	
548	S Fr DS3	P_x	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO11
			-151.70	-55.30	-222.74	0.00	0.00	6.23	CO13
		P_y	-150.87	-54.80	-220.56	0.00	0.00	6.19	CO12
			-145.47	-56.18	-220.67	0.00	0.00	5.95	CO14
		P_z	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO11
			-149.96	-56.10	-223.87	0.00	0.00	6.16	CO15
		M_x	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO11
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO11
		M_y	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO11
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO11
		M_z	-151.70	-55.30	-222.74	0.00	0.00	6.23	CO13
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO11
Extremes			-143.41	-54.80	-215.24	0.00	0.00	6.23	
548			-151.70	-56.18	-223.87	0.00	0.00	5.85	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
589	S Fr DS3	P_x	-0.57	-4.26	-201.35	15.33	-3.93	-0.77	CO14
			-0.94	-4.37	-193.79	15.84	-5.41	-0.83	CO12
		P_y	-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO11
			-0.86	-4.43	-197.71	16.12	-5.11	-0.82	CO13
		P_z	-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO11
			-0.67	-4.41	-202.70	16.05	-4.37	-0.80	CO15
		M_x	-0.86	-4.43	-197.71	16.12	-5.11	-0.82	CO13
			-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO11
		M_y	-0.57	-4.26	-201.35	15.33	-3.93	-0.77	CO14
			-0.94	-4.37	-193.79	15.84	-5.41	-0.83	CO12
		M_z	-0.57	-4.26	-201.35	15.33	-3.93	-0.77	CO14
			-0.94	-4.37	-193.79	15.84	-5.41	-0.83	CO12
Extremes			-0.57	-4.12	-191.55	16.12	-3.93	-0.77	
589			-0.94	-4.43	-202.70	14.64	-5.41	-0.83	
593	S Fr DS3	P_x	181.42	80.18	-182.95	-111.66	-5.01	-2.62	CO14
			156.84	78.57	-181.81	-111.68	-9.57	-2.54	CO12
		P_y	177.56	80.69	-187.39	-112.06	-7.42	-2.63	CO15
			163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO11
		P_z	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO11
			177.56	80.69	-187.39	-112.06	-7.42	-2.63	CO15
		M_x	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO11
			177.56	80.69	-187.39	-112.06	-7.42	-2.63	CO15
		M_y	181.42	80.18	-182.95	-111.66	-5.01	-2.62	CO14
			156.84	78.57	-181.81	-111.68	-9.57	-2.54	CO12
		M_z	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO11
			177.56	80.69	-187.39	-112.06	-7.42	-2.63	CO15
Extremes			181.42	80.69	-174.28	-111.11	-5.01	-2.52	
593			156.84	77.77	-187.39	-112.06	-9.57	-2.63	
607	S Fr DS3	P_x	-0.16	-3.89	-207.63	12.55	-2.89	-0.87	CO12
			-0.42	-3.83	-212.45	12.31	-3.46	-0.81	CO14
		P_y	-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO11
			-0.34	-3.97	-215.16	12.95	-3.31	-0.84	CO15
		P_z	-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO11
			-0.34	-3.97	-215.16	12.95	-3.31	-0.84	CO15
		M_x	-0.34	-3.97	-215.16	12.95	-3.31	-0.84	CO15
			-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO11
		M_y	-0.16	-3.89	-207.63	12.55	-2.89	-0.87	CO12
			-0.42	-3.83	-212.45	12.31	-3.46	-0.81	CO14
		M_z	-0.42	-3.83	-212.45	12.31	-3.46	-0.81	CO14
			-0.16	-3.89	-207.63	12.55	-2.89	-0.87	CO12
Extremes			-0.16	-3.66	-203.11	12.95	-2.89	-0.81	
607			-0.42	-3.97	-215.16	11.49	-3.46	-0.87	
687	S Fr DS3	P_x	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
			-40.57	30.14	-209.06	0.00	0.00	-0.34	CO13
		P_y	-40.57	30.14	-209.06	0.00	0.00	-0.34	CO13
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
		P_z	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
			-40.28	29.27	-210.40	0.00	0.00	-0.35	CO15
		M_x	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
		M_y	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
		M_z	-40.46	29.60	-207.18	0.00	0.00	-0.34	CO12
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO11
Extremes			-39.33	30.14	-203.49	0.00	0.00	-0.34	
687			-40.57	25.46	-210.40	0.00	0.00	-0.37	
688	S Fr DS3	P_x	-25.97	-31.75	-202.01	0.00	0.00	3.77	CO14
			-31.50	-32.00	-200.57	0.00	0.00	3.72	CO12
		P_y	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO11
			-30.67	-32.01	-202.20	0.00	0.00	3.72	CO13
		P_z	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO11
			-28.04	-31.92	-203.59	0.00	0.00	3.75	CO15
		M_x	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO11
			-28.05	-31.73	-197.93	0.00	0.00	3.76	CO11
		M_y	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO11
			-28.05	-31.73	-197.93	0.00	0.00	3.76	CO11
		M_z	-25.97	-31.75	-202.01	0.00	0.00	3.77	CO14
			-31.50	-32.00	-200.57	0.00	0.00	3.72	CO12
Extremes			-25.97	-31.73	-197.93	0.00	0.00	3.77	
688			-31.50	-32.01	-203.59	0.00	0.00	3.72	
689	S Fr DS3	P_x	0.13	-41.78	-209.16	0.00	0.00	0.65	CO14
			-1.80	-41.82	-208.25	0.00	0.00	0.61	CO12

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
689		P_y	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO11
			-1.27	-41.82	-209.94	0.00	0.00	0.61	CO13
		P_z	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO11
			-0.23	-41.81	-211.15	0.00	0.00	0.63	CO15
		M_x	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO11
			-1.21	-41.78	-204.94	0.00	0.00	0.64	CO11
		M_y	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO11
			-1.21	-41.78	-204.94	0.00	0.00	0.64	CO11
		M_z	0.13	-41.78	-209.16	0.00	0.00	0.65	CO14
			-1.80	-41.82	-208.25	0.00	0.00	0.61	CO12
Extremes			0.13	-41.78	-204.94	0.00	0.00	0.65	
689			-1.80	-41.82	-211.15	0.00	0.00	0.61	
690	S Fr DS3	P_x	16.77	-41.94	-218.14	0.00	0.00	-0.38	CO13
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO11
		P_y	14.76	-41.92	-216.70	0.00	0.00	-0.35	CO14
			16.64	-41.94	-216.40	0.00	0.00	-0.38	CO12
		P_z	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO11
			16.09	-41.93	-219.13	0.00	0.00	-0.36	CO15
		M_x	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO11
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO11
		M_y	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO11
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO11
		M_z	14.76	-41.92	-216.70	0.00	0.00	-0.35	CO14
			16.64	-41.94	-216.40	0.00	0.00	-0.38	CO12
Extremes			16.77	-41.92	-212.36	0.00	0.00	-0.35	
690			14.44	-41.94	-219.13	0.00	0.00	-0.38	
691	S Fr DS3	P_x	74.20	-30.60	-226.55	0.00	0.00	-3.59	CO13
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO11
		P_y	73.36	-30.56	-224.76	0.00	0.00	-3.61	CO12
			68.69	-30.70	-224.41	0.00	0.00	-3.53	CO14
		P_z	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO11
			72.76	-30.67	-227.30	0.00	0.00	-3.55	CO15
		M_x	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO11
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO11
		M_y	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO11
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO11
		M_z	68.69	-30.70	-224.41	0.00	0.00	-3.53	CO14
			73.36	-30.56	-224.76	0.00	0.00	-3.61	CO12
Extremes			74.20	-30.56	-219.95	0.00	0.00	-3.53	
691			66.59	-30.70	-227.30	0.00	0.00	-3.61	
692	S Fr DS3	P_x	113.25	-10.73	-244.56	0.00	0.00	2.10	CO12
			97.23	-10.88	-242.42	0.00	0.00	2.11	CO14
		P_y	112.26	-10.68	-246.42	0.00	0.00	2.17	CO13
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO11
		P_z	99.73	-11.00	-237.80	0.00	0.00	1.92	CO11
			105.35	-10.72	-246.49	0.00	0.00	2.22	CO15
		M_x	99.73	-11.00	-237.80	0.00	0.00	1.92	CO11
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO11
		M_y	99.73	-11.00	-237.80	0.00	0.00	1.92	CO11
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO11
		M_z	105.35	-10.72	-246.49	0.00	0.00	2.22	CO15
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO11
Extremes			113.25	-10.68	-237.80	0.00	0.00	2.22	
692			97.23	-11.00	-246.49	0.00	0.00	1.92	
693	S Fr DS3	P_x	13.31	10.16	-256.16	0.00	0.00	-0.98	CO12
			5.66	10.35	-252.09	0.00	0.00	-1.01	CO14
		P_y	7.32	11.49	-257.07	0.00	0.00	-1.06	CO15
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO11
		P_z	10.53	8.26	-247.87	0.00	0.00	-0.89	CO11
			11.36	11.00	-257.85	0.00	0.00	-1.02	CO13
		M_x	10.53	8.26	-247.87	0.00	0.00	-0.89	CO11
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO11
		M_y	10.53	8.26	-247.87	0.00	0.00	-0.89	CO11
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO11
		M_z	10.53	8.26	-247.87	0.00	0.00	-0.89	CO11
			7.32	11.49	-257.07	0.00	0.00	-1.06	CO15
Extremes			13.31	11.49	-247.87	0.00	0.00	-0.89	
693			5.66	8.26	-257.85	0.00	0.00	-1.06	
694	S Fr DS3	P_x	-10.40	-37.28	-256.63	0.00	0.00	-2.25	CO12
			-18.02	-37.18	-251.90	0.00	0.00	-2.22	CO14
		P_y	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO11
			-16.70	-37.37	-257.14	0.00	0.00	-2.31	CO15

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
694		P_z	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO11
			-12.57	-37.37	-258.23	0.00	0.00	-2.30	CO13
		M_x	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO11
			-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO11
		M_y	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO11
			-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO11
		M_z	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO11
			-16.70	-37.37	-257.14	0.00	0.00	-2.31	CO15
Extremes			-10.40	-36.97	-247.92	0.00	0.00	-2.10	
694			-18.02	-37.37	-258.23	0.00	0.00	-2.31	
695	S Fr DS3	P_x	7.55	-32.16	-257.42	0.00	0.00	-0.14	CO12
			2.99	-32.09	-252.05	0.00	0.00	-0.14	CO14
		P_y	2.99	-32.09	-252.05	0.00	0.00	-0.14	CO14
			7.55	-32.16	-257.42	0.00	0.00	-0.14	CO12
		P_z	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO11
			6.41	-32.13	-258.93	0.00	0.00	-0.14	CO13
		M_x	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO11
			5.83	-32.16	-248.28	0.00	0.00	-0.13	CO11
		M_y	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO11
			5.83	-32.16	-248.28	0.00	0.00	-0.13	CO11
		M_z	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO11
			4.02	-32.10	-257.54	0.00	0.00	-0.14	CO15
Extremes			7.55	-32.09	-248.28	0.00	0.00	-0.13	
695			2.99	-32.16	-258.93	0.00	0.00	-0.14	
696	S Fr DS3	P_x	4.63	-32.98	-252.33	0.00	0.00	-0.24	CO14
			3.03	-33.08	-258.27	0.00	0.00	-0.24	CO12
		P_y	4.63	-32.98	-252.33	0.00	0.00	-0.24	CO14
			3.03	-33.08	-258.27	0.00	0.00	-0.24	CO12
		P_z	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO11
			3.24	-33.07	-259.71	0.00	0.00	-0.24	CO13
		M_x	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO11
			4.13	-32.99	-248.72	0.00	0.00	-0.24	CO11
		M_y	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO11
			4.13	-32.99	-248.72	0.00	0.00	-0.24	CO11
		M_z	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO11
			3.98	-33.03	-258.06	0.00	0.00	-0.25	CO15
Extremes			4.63	-32.98	-248.72	0.00	0.00	-0.24	
696			3.03	-33.08	-259.71	0.00	0.00	-0.25	
697	S Fr DS3	P_x	-13.74	-33.00	-252.78	0.00	0.00	-0.19	CO14
			-21.52	-33.14	-259.20	0.00	0.00	-0.19	CO12
		P_y	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO11
			-20.19	-33.14	-260.60	0.00	0.00	-0.19	CO13
		P_z	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO11
			-20.19	-33.14	-260.60	0.00	0.00	-0.19	CO13
		M_x	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO11
			-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO11
		M_y	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO11
			-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO11
		M_z	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO11
			-20.19	-33.14	-260.60	0.00	0.00	-0.19	CO13
Extremes			-13.74	-32.98	-249.29	0.00	0.00	-0.19	
697			-21.52	-33.14	-260.60	0.00	0.00	-0.19	
698	S Fr DS3	P_x	-34.92	-29.31	-253.40	0.00	0.00	-0.46	CO14
			-46.46	-29.40	-260.23	0.00	0.00	-0.49	CO12
		P_y	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO11
			-44.70	-29.41	-261.60	0.00	0.00	-0.49	CO13
		P_z	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO11
			-44.70	-29.41	-261.60	0.00	0.00	-0.49	CO13
		M_x	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO11
			-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO11
		M_y	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO11
			-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO11
		M_z	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO11
			-44.70	-29.41	-261.60	0.00	0.00	-0.49	CO13
Extremes			-34.92	-29.29	-249.98	0.00	0.00	-0.45	
698			-46.46	-29.41	-261.60	0.00	0.00	-0.49	
699	S Fr DS3	P_x	-32.19	-32.03	-254.23	0.00	0.00	2.60	CO14
			-41.17	-32.00	-261.45	0.00	0.00	2.61	CO12
		P_y	-39.65	-32.00	-262.80	0.00	0.00	2.61	CO13
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO11
		P_z	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO11
			-39.65	-32.00	-262.80	0.00	0.00	2.61	CO13

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
699		M_x	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO11
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO11
		M_y	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO11
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO11
		M_z	-41.17	-32.00	-261.45	0.00	0.00	2.61	CO12
			-32.19	-32.03	-254.23	0.00	0.00	2.60	CO14
Extremes			-32.19	-32.00	-250.86	0.00	0.00	2.61	
699			-41.17	-32.05	-262.80	0.00	0.00	2.60	
700	S Fr DS3	P_x	118.07	-29.49	-268.85	0.00	0.00	3.49	CO13
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO11
		P_y	117.37	-29.45	-267.54	0.00	0.00	3.50	CO12
			113.60	-29.56	-259.26	0.00	0.00	3.38	CO14
		P_z	111.90	-29.48	-255.98	0.00	0.00	3.40	CO11
			118.07	-29.49	-268.85	0.00	0.00	3.49	CO13
		M_x	111.90	-29.48	-255.98	0.00	0.00	3.40	CO11
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO11
		M_y	111.90	-29.48	-255.98	0.00	0.00	3.40	CO11
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO11
		M_z	117.37	-29.45	-267.54	0.00	0.00	3.50	CO12
			113.60	-29.56	-259.26	0.00	0.00	3.38	CO14
Extremes			118.07	-29.45	-255.98	0.00	0.00	3.50	
700			111.90	-29.56	-268.85	0.00	0.00	3.38	
703	S Fr DS3	P_x	21.03	286.26	-293.45	0.00	0.00	0.25	CO14
			20.77	297.05	-304.10	0.00	0.00	0.22	CO12
		P_y	20.80	298.22	-305.94	0.00	0.00	0.21	CO13
			20.97	283.40	-288.86	0.00	0.00	0.28	CO11
		P_z	20.97	283.40	-288.86	0.00	0.00	0.28	CO11
			20.80	298.22	-305.94	0.00	0.00	0.21	CO13
		M_x	20.97	283.40	-288.86	0.00	0.00	0.28	CO11
			20.97	283.40	-288.86	0.00	0.00	0.28	CO11
		M_y	20.97	283.40	-288.86	0.00	0.00	0.28	CO11
			20.97	283.40	-288.86	0.00	0.00	0.28	CO11
		M_z	20.97	283.40	-288.86	0.00	0.00	0.28	CO11
			20.80	298.22	-305.94	0.00	0.00	0.21	CO13
Extremes			21.03	298.22	-288.86	0.00	0.00	0.28	
703			20.77	283.40	-305.94	0.00	0.00	0.21	
704	S Fr DS3	P_x	20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
			19.89	226.07	-308.75	0.00	0.00	-0.10	CO13
		P_y	19.89	226.07	-308.75	0.00	0.00	-0.10	CO13
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
		P_z	20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
			19.89	226.07	-308.75	0.00	0.00	-0.10	CO13
		M_x	20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
		M_y	20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
		M_z	20.28	219.90	-290.63	0.00	0.00	-0.08	CO11
			20.00	225.42	-305.53	0.00	0.00	-0.10	CO15
Extremes			20.28	226.07	-290.63	0.00	0.00	-0.08	
704			19.89	219.90	-308.75	0.00	0.00	-0.10	
705	S Fr DS3	P_x	30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
			30.02	-133.48	-304.20	0.00	0.00	1.95	CO13
		P_y	30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
			30.02	-133.48	-304.20	0.00	0.00	1.95	CO13
		P_z	30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
			30.02	-133.48	-304.20	0.00	0.00	1.95	CO13
		M_x	30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
		M_y	30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
		M_z	30.02	-133.48	-304.20	0.00	0.00	1.95	CO13
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO11
Extremes			30.32	-106.34	-284.83	0.00	0.00	1.95	
705			30.02	-133.48	-304.20	0.00	0.00	1.84	
706	S Fr DS3	P_x	34.29	-67.14	-277.86	0.00	0.00	0.27	CO11
			34.27	-84.45	-295.05	0.00	0.00	0.28	CO15
		P_y	34.29	-67.14	-277.86	0.00	0.00	0.27	CO11
			34.27	-87.36	-297.59	0.00	0.00	0.28	CO13
		P_z	34.29	-67.14	-277.86	0.00	0.00	0.27	CO11
			34.27	-87.36	-297.59	0.00	0.00	0.28	CO13
		M_x	34.29	-67.14	-277.86	0.00	0.00	0.27	CO11
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO11

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
706		M_y	34.29	-67.14	-277.86	0.00	0.00	0.27	CO11
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO11
		M_z	34.27	-87.36	-297.59	0.00	0.00	0.28	CO13
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO11
Extremes			34.29	-67.14	-277.86	0.00	0.00	0.28	
706			34.27	-87.36	-297.59	0.00	0.00	0.27	
709	S Fr DS3	P_x	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
			25.94	-26.81	-290.10	0.00	0.00	-1.91	CO13
		P_y	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
			25.94	-26.81	-290.10	0.00	0.00	-1.91	CO13
		P_z	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
			25.94	-26.81	-290.10	0.00	0.00	-1.91	CO13
		M_x	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
		M_y	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
		M_z	25.94	-26.81	-290.10	0.00	0.00	-1.91	CO13
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO11
Extremes			26.00	-18.90	-269.98	0.00	0.00	-1.91	
709			25.94	-26.81	-290.10	0.00	0.00	-1.92	
710	S Fr DS3	P_x	99.79	30.63	-260.61	0.00	0.00	2.34	CO11
			91.50	30.66	-278.87	0.00	0.00	2.35	CO15
		P_y	93.31	30.67	-277.35	0.00	0.00	2.35	CO12
			95.33	30.63	-268.88	0.00	0.00	2.34	CO14
		P_z	99.79	30.63	-260.61	0.00	0.00	2.34	CO11
			91.57	30.67	-280.62	0.00	0.00	2.35	CO13
		M_x	99.79	30.63	-260.61	0.00	0.00	2.34	CO11
			99.79	30.63	-260.61	0.00	0.00	2.34	CO11
		M_y	99.79	30.63	-260.61	0.00	0.00	2.34	CO11
			99.79	30.63	-260.61	0.00	0.00	2.34	CO11
		M_z	93.31	30.67	-277.35	0.00	0.00	2.35	CO12
			95.33	30.63	-268.88	0.00	0.00	2.34	CO14
Extremes			99.79	30.67	-260.61	0.00	0.00	2.35	
710			91.50	30.63	-280.62	0.00	0.00	2.34	
711	S Fr DS3	P_x	145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
			138.00	31.34	-277.01	0.00	0.00	-2.16	CO15
		P_y	138.00	31.34	-277.01	0.00	0.00	-2.16	CO15
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
		P_z	145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
			139.43	31.33	-278.49	0.00	0.00	-2.18	CO13
		M_x	145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
		M_y	145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
		M_z	138.00	31.34	-277.01	0.00	0.00	-2.16	CO15
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO11
Extremes			145.28	31.34	-258.99	0.00	0.00	-2.16	
711			138.00	31.17	-278.49	0.00	0.00	-2.19	
717	S Fr DS3	P_x	175.02	25.85	-187.06	0.00	0.00	0.01	CO14
			161.24	25.31	-186.17	0.00	0.00	0.01	CO12
		P_y	174.47	25.94	-191.80	0.00	0.00	0.01	CO15
			162.21	25.14	-178.16	0.00	0.00	0.01	CO11
		P_z	162.21	25.14	-178.16	0.00	0.00	0.01	CO11
			174.47	25.94	-191.80	0.00	0.00	0.01	CO15
		M_x	162.21	25.14	-178.16	0.00	0.00	0.01	CO11
			162.21	25.14	-178.16	0.00	0.00	0.01	CO11
		M_y	162.21	25.14	-178.16	0.00	0.00	0.01	CO11
			162.21	25.14	-178.16	0.00	0.00	0.01	CO11
		M_z	175.02	25.85	-187.06	0.00	0.00	0.01	CO14
			161.24	25.31	-186.17	0.00	0.00	0.01	CO12
Extremes			175.02	25.94	-178.16	0.00	0.00	0.01	
717			161.24	25.14	-191.80	0.00	0.00	0.01	
718	S Fr DS3	P_x	177.23	25.77	-201.93	0.00	0.00	0.19	CO15
			169.93	25.13	-187.23	0.00	0.00	0.15	CO11
		P_y	177.23	25.77	-201.93	0.00	0.00	0.19	CO15
			169.93	25.13	-187.23	0.00	0.00	0.15	CO11
		P_z	169.93	25.13	-187.23	0.00	0.00	0.15	CO11
			177.23	25.77	-201.93	0.00	0.00	0.19	CO15
		M_x	169.93	25.13	-187.23	0.00	0.00	0.15	CO11
			169.93	25.13	-187.23	0.00	0.00	0.15	CO11
		M_y	169.93	25.13	-187.23	0.00	0.00	0.15	CO11
			169.93	25.13	-187.23	0.00	0.00	0.15	CO11

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
718		M_z	177.06	25.68	-196.55	0.00	0.00	0.19	CO14
			169.93	25.13	-187.23	0.00	0.00	0.15	CO11
Extremes			177.23	25.77	-187.23	0.00	0.00	0.19	
718			169.93	25.13	-201.93	0.00	0.00	0.15	
719	S Fr DS3	P_x	205.81	23.99	-208.14	0.00	0.00	0.19	CO12
			201.77	24.37	-207.23	0.00	0.00	0.16	CO14
		P_y	203.79	24.48	-213.42	0.00	0.00	0.15	CO15
			202.13	23.80	-197.69	0.00	0.00	0.20	CO11
		P_z	202.13	23.80	-197.69	0.00	0.00	0.20	CO11
			203.79	24.48	-213.42	0.00	0.00	0.15	CO15
		M_x	202.13	23.80	-197.69	0.00	0.00	0.20	CO11
			202.13	23.80	-197.69	0.00	0.00	0.20	CO11
		M_y	202.13	23.80	-197.69	0.00	0.00	0.20	CO11
			202.13	23.80	-197.69	0.00	0.00	0.20	CO11
		M_z	202.13	23.80	-197.69	0.00	0.00	0.20	CO11
			203.79	24.48	-213.42	0.00	0.00	0.15	CO15
Extremes			205.81	24.48	-197.69	0.00	0.00	0.20	
719			201.77	23.80	-213.42	0.00	0.00	0.15	
720	S Fr DS3	P_x	258.04	22.81	-221.84	0.00	0.00	0.19	CO12
			242.10	23.34	-219.33	0.00	0.00	0.18	CO14
		P_y	247.95	23.47	-226.50	0.00	0.00	0.18	CO15
			247.82	22.60	-209.74	0.00	0.00	0.18	CO11
		P_z	247.82	22.60	-209.74	0.00	0.00	0.18	CO11
			247.95	23.47	-226.50	0.00	0.00	0.18	CO15
		M_x	247.82	22.60	-209.74	0.00	0.00	0.18	CO11
			247.82	22.60	-209.74	0.00	0.00	0.18	CO11
		M_y	247.82	22.60	-209.74	0.00	0.00	0.18	CO11
			247.82	22.60	-209.74	0.00	0.00	0.18	CO11
		M_z	258.04	22.81	-221.84	0.00	0.00	0.19	CO12
			242.10	23.34	-219.33	0.00	0.00	0.18	CO14
Extremes			258.04	23.47	-209.74	0.00	0.00	0.19	
720			242.10	22.60	-226.50	0.00	0.00	0.18	
721	S Fr DS3	P_x	261.96	31.63	-237.04	0.00	0.00	-0.56	CO12
			226.57	32.02	-232.22	0.00	0.00	-0.50	CO14
		P_y	240.94	32.03	-240.70	0.00	0.00	-0.47	CO15
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO11
		P_z	238.59	31.62	-222.78	0.00	0.00	-0.61	CO11
			257.39	31.79	-240.76	0.00	0.00	-0.51	CO13
		M_x	238.59	31.62	-222.78	0.00	0.00	-0.61	CO11
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO11
		M_y	238.59	31.62	-222.78	0.00	0.00	-0.61	CO11
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO11
		M_z	240.94	32.03	-240.70	0.00	0.00	-0.47	CO15
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO11
Extremes			261.96	32.03	-222.78	0.00	0.00	-0.47	
721			226.57	31.62	-240.76	0.00	0.00	-0.61	
747	S Fr DS3	P_x	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO11
			-285.84	-5.13	-306.51	2.82	4.49	-1.01	CO13
		P_y	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO11
			-285.84	-5.13	-306.51	2.82	4.49	-1.01	CO13
		P_z	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO11
			-285.84	-5.13	-306.51	2.82	4.49	-1.01	CO13
		M_x	-285.84	-5.13	-306.51	2.82	4.49	-1.01	CO13
			-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO11
		M_y	-264.57	-4.77	-293.77	2.47	5.76	-0.94	CO14
			-282.00	-5.04	-303.99	2.67	3.66	-0.99	CO12
		M_z	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO11
			-285.84	-5.13	-306.51	2.82	4.49	-1.01	CO13
Extremes			-254.89	-4.54	-287.45	2.82	5.76	-0.88	
747			-285.84	-5.13	-306.51	2.08	3.66	-1.01	
749	S Fr DS3	P_x	0.50	159.51	-250.68	0.00	0.00	-0.18	CO12
			0.41	154.84	-249.03	0.00	0.00	-0.11	CO14
		P_y	0.50	161.47	-253.43	0.00	0.00	-0.18	CO13
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO11
		P_z	0.41	149.97	-242.16	0.00	0.00	-0.11	CO11
			0.46	160.58	-254.14	0.00	0.00	-0.15	CO15
		M_x	0.41	149.97	-242.16	0.00	0.00	-0.11	CO11
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO11
		M_y	0.41	149.97	-242.16	0.00	0.00	-0.11	CO11
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO11
		M_z	0.41	154.84	-249.03	0.00	0.00	-0.11	CO14
			0.50	159.51	-250.68	0.00	0.00	-0.18	CO12

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
Extremes			0.50	161.47	-242.16	0.00	0.00	-0.11	
749			0.41	149.97	-254.14	0.00	0.00	-0.18	
750	S Fr DS3	P_x	0.42	52.86	-265.70	0.00	0.00	-0.47	CO12
			0.34	57.00	-261.94	0.00	0.00	-0.40	CO14
		P_y	0.39	57.98	-268.28	0.00	0.00	-0.44	CO15
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO11
		P_z	0.34	51.21	-255.12	0.00	0.00	-0.40	CO11
			0.42	55.17	-268.43	0.00	0.00	-0.47	CO13
		M_x	0.34	51.21	-255.12	0.00	0.00	-0.40	CO11
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO11
		M_y	0.34	51.21	-255.12	0.00	0.00	-0.40	CO11
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO11
		M_z	0.34	57.00	-261.94	0.00	0.00	-0.40	CO14
			0.42	52.86	-265.70	0.00	0.00	-0.47	CO12
Extremes			0.42	57.98	-255.12	0.00	0.00	-0.40	
750			0.34	51.21	-268.43	0.00	0.00	-0.47	
751	S Fr DS3	P_x	29.61	1.09	-226.00	0.00	0.00	0.61	CO15
			19.67	1.15	-215.43	0.00	0.00	0.59	CO11
		P_y	25.20	1.17	-222.34	0.00	0.00	0.61	CO12
			26.29	1.08	-221.86	0.00	0.00	0.60	CO14
		P_z	19.67	1.15	-215.43	0.00	0.00	0.59	CO11
			29.61	1.09	-226.00	0.00	0.00	0.61	CO15
		M_x	19.67	1.15	-215.43	0.00	0.00	0.59	CO11
			19.67	1.15	-215.43	0.00	0.00	0.59	CO11
		M_y	19.67	1.15	-215.43	0.00	0.00	0.59	CO11
			19.67	1.15	-215.43	0.00	0.00	0.59	CO11
		M_z	27.85	1.14	-224.91	0.00	0.00	0.62	CO13
			19.67	1.15	-215.43	0.00	0.00	0.59	CO11
Extremes			29.61	1.17	-215.43	0.00	0.00	0.62	
751			19.67	1.08	-226.00	0.00	0.00	0.59	
752	S Fr DS3	P_x	43.06	0.52	-239.85	0.00	0.00	-0.08	CO15
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO11
		P_y	40.31	0.57	-235.39	0.00	0.00	-0.06	CO12
			40.64	0.51	-234.61	0.00	0.00	-0.07	CO14
		P_z	36.29	0.56	-226.63	0.00	0.00	-0.05	CO11
			43.06	0.52	-239.85	0.00	0.00	-0.08	CO15
		M_x	36.29	0.56	-226.63	0.00	0.00	-0.05	CO11
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO11
		M_y	36.29	0.56	-226.63	0.00	0.00	-0.05	CO11
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO11
		M_z	36.29	0.56	-226.63	0.00	0.00	-0.05	CO11
			43.06	0.52	-239.85	0.00	0.00	-0.08	CO15
Extremes			43.06	0.57	-226.63	0.00	0.00	-0.05	
752			36.29	0.51	-239.85	0.00	0.00	-0.08	
753	S Fr DS3	P_x	37.79	-0.17	-263.35	0.00	0.00	0.21	CO12
			33.54	-0.16	-259.62	0.00	0.00	0.21	CO14
		P_y	33.64	-0.15	-251.15	0.00	0.00	0.22	CO11
			37.76	-0.18	-266.74	0.00	0.00	0.21	CO13
		P_z	33.64	-0.15	-251.15	0.00	0.00	0.22	CO11
			36.03	-0.18	-266.93	0.00	0.00	0.20	CO15
		M_x	33.64	-0.15	-251.15	0.00	0.00	0.22	CO11
			33.64	-0.15	-251.15	0.00	0.00	0.22	CO11
		M_y	33.64	-0.15	-251.15	0.00	0.00	0.22	CO11
			33.64	-0.15	-251.15	0.00	0.00	0.22	CO11
		M_z	33.64	-0.15	-251.15	0.00	0.00	0.22	CO11
			36.03	-0.18	-266.93	0.00	0.00	0.20	CO15
Extremes			37.79	-0.15	-251.15	0.00	0.00	0.22	
753			33.54	-0.18	-266.93	0.00	0.00	0.20	
754	S Fr DS3	P_x	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
			-0.05	-0.41	-276.34	0.00	0.00	-0.06	CO15
		P_y	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
			1.80	-0.41	-276.96	0.00	0.00	-0.06	CO13
		P_z	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
			1.80	-0.41	-276.96	0.00	0.00	-0.06	CO13
		M_x	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
		M_y	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
		M_z	-0.05	-0.41	-276.34	0.00	0.00	-0.06	CO15
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO11
Extremes			3.29	-0.39	-260.12	0.00	0.00	-0.06	
754			-0.05	-0.41	-276.96	0.00	0.00	-0.06	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
772	SFr DS3	P_x	32.37	59.94	-215.49	-288.51	4.35	1.47	CO13
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO11
		P_y	23.60	61.11	-207.46	-294.33	-2.40	1.48	CO11
			29.57	59.12	-212.50	-284.31	3.33	1.48	CO15
		P_z	23.60	61.11	-207.46	-294.33	-2.40	1.48	CO11
			32.37	59.94	-215.49	-288.51	4.35	1.47	CO13
		M_x	29.57	59.12	-212.50	-284.31	3.33	1.48	CO15
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO11
		M_y	32.37	59.94	-215.49	-288.51	4.35	1.47	CO13
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO11
		M_z	24.55	59.40	-207.72	-285.67	-0.15	1.49	CO14
			32.00	60.61	-215.37	-291.93	3.48	1.47	CO12
Extremes			32.37	61.11	-207.46	-284.31	4.35	1.49	
772			23.60	59.12	-215.49	-294.33	-2.40	1.47	
779	SFr DS3	P_x	29.93	163.37	-266.38	0.00	0.00	-0.68	CO13
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO11
		P_y	29.93	163.37	-266.38	0.00	0.00	-0.68	CO13
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO11
		P_z	26.89	141.24	-253.40	0.00	0.00	-1.03	CO11
			29.93	163.37	-266.38	0.00	0.00	-0.68	CO13
		M_x	26.89	141.24	-253.40	0.00	0.00	-1.03	CO11
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO11
		M_y	26.89	141.24	-253.40	0.00	0.00	-1.03	CO11
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO11
		M_z	29.77	162.20	-264.99	0.00	0.00	-0.64	CO12
			27.28	144.16	-256.86	0.00	0.00	-1.13	CO14
Extremes			29.93	163.37	-253.40	0.00	0.00	-0.64	
779			26.89	141.24	-266.38	0.00	0.00	-1.13	
783	SFr DS3	P_x	62.14	0.21	-230.62	0.00	0.00	0.32	CO15
			58.34	0.22	-219.21	0.00	0.00	0.29	CO11
		P_y	60.91	0.23	-223.50	0.00	0.00	0.29	CO14
			60.39	0.19	-231.08	0.00	0.00	0.33	CO12
		P_z	58.34	0.22	-219.21	0.00	0.00	0.29	CO11
			61.42	0.19	-232.79	0.00	0.00	0.33	CO13
		M_x	58.34	0.22	-219.21	0.00	0.00	0.29	CO11
			58.34	0.22	-219.21	0.00	0.00	0.29	CO11
		M_y	58.34	0.22	-219.21	0.00	0.00	0.29	CO11
			58.34	0.22	-219.21	0.00	0.00	0.29	CO11
		M_z	61.42	0.19	-232.79	0.00	0.00	0.33	CO13
			58.34	0.22	-219.21	0.00	0.00	0.29	CO11
Extremes			62.14	0.23	-219.21	0.00	0.00	0.33	
783			58.34	0.19	-232.79	0.00	0.00	0.29	
785	SFr DS3	P_x	-30.27	229.86	-257.02	0.00	0.00	-8.82	CO14
			-34.44	239.95	-265.80	0.00	0.00	-9.70	CO12
		P_y	-33.82	242.49	-267.70	0.00	0.00	-9.70	CO13
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO11
		P_z	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO11
			-33.82	242.49	-267.70	0.00	0.00	-9.70	CO13
		M_x	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO11
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO11
		M_y	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO11
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO11
		M_z	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO11
			-33.82	242.49	-267.70	0.00	0.00	-9.70	CO13
Extremes			-30.27	242.49	-252.27	0.00	0.00	-8.82	
785			-34.44	223.55	-267.70	0.00	0.00	-9.70	
	Total max/min values with corresponding values								
60	SFr DS3	P_x	282.54	105.63	-229.54	-156.88	-9.67	-1.58	CO12
747			-285.84	-5.13	-306.51	2.82	4.49	-1.01	CO13
71		P_y	0.61	298.39	-229.24	-83.72	21.87	-15.94	CO12
705			30.02	-133.48	-304.20	0.00	0.00	1.95	CO13
343		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO11
468			0.00	-4.31	-335.58	-2.52	-1.59	-0.44	CO13
20		M_x	-86.63	-6.66	-278.87	131.08	-77.81	8.08	CO15
772			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO11
422		M_y	30.69	149.92	-237.79	-30.02	54.64	0.40	CO13
417			64.80	133.50	-183.27	-81.03	-84.63	0.87	CO12
322		M_z	-42.17	243.26	-263.30	0.00	0.00	17.07	CO13
71			2.35	295.48	-231.67	-82.59	21.62	-15.99	CO13
20	SLC DS4	P_x	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO16
			-83.38	-5.26	-275.06	127.12	-77.48	7.60	CO18
		P_y	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
20		P_y	-83.38	-5.26	-275.06	127.12	-77.48	7.60	CO18
		P_z	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO16
			-83.38	-5.26	-275.06	127.12	-77.48	7.60	CO18
		M_x	-83.38	-5.26	-275.06	127.12	-77.48	7.60	CO18
			-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO16
		M_y	-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO16
			-83.38	-5.26	-275.06	127.12	-77.48	7.60	CO18
		M_z	-83.38	-5.26	-275.06	127.12	-77.48	7.60	CO18
			-78.36	-4.31	-263.55	120.04	-73.86	7.19	CO16
Extremes			-78.36	-4.31	-263.55	127.12	-73.86	7.60	
20			-83.38	-5.26	-275.06	120.04	-77.48	7.19	
25	SLS DS4	P_x	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO16
			-172.27	4.46	-280.93	-16.64	-39.07	-0.15	CO18
		P_y	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO16
			-172.27	4.46	-280.93	-16.64	-39.07	-0.15	CO18
		P_z	-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO16
			-172.27	4.46	-280.93	-16.64	-39.07	-0.15	CO18
		M_x	-172.27	4.46	-280.93	-16.64	-39.07	-0.15	CO18
			-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO16
		M_y	-164.11	4.60	-272.25	-17.04	-35.78	-0.18	CO19
			-169.44	4.54	-277.72	-16.99	-39.51	-0.18	CO17
		M_z	-172.27	4.46	-280.93	-16.64	-39.07	-0.15	CO18
			-161.23	4.68	-269.03	-17.39	-36.19	-0.21	CO16
Extremes			-161.23	4.68	-269.03	-16.64	-35.78	-0.15	
25			-172.27	4.46	-280.93	-17.39	-39.51	-0.21	
32	SLS DS4	P_x	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO16
			2.78	-0.31	-276.19	-9.94	-30.03	-0.34	CO18
		P_y	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO16
			2.78	-0.31	-276.19	-9.94	-30.03	-0.34	CO18
		P_z	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO16
			2.78	-0.31	-276.19	-9.94	-30.03	-0.34	CO18
		M_x	2.78	-0.31	-276.19	-9.94	-30.03	-0.34	CO18
			3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO16
		M_y	3.14	-0.15	-268.13	-10.38	-27.05	-0.32	CO19
			3.27	-0.24	-272.71	-10.27	-30.46	-0.33	CO17
		M_z	3.66	-0.08	-264.64	-10.72	-27.47	-0.32	CO16
			2.78	-0.31	-276.19	-9.94	-30.03	-0.34	CO18
Extremes			3.66	-0.08	-264.64	-9.94	-27.05	-0.32	
32			2.78	-0.31	-276.19	-10.72	-30.46	-0.34	
39	SLS DS4	P_x	58.50	40.59	-261.60	-59.84	-43.36	0.40	CO18
			55.44	41.43	-251.22	-65.21	-39.10	0.42	CO16
		P_y	55.64	41.67	-254.67	-62.23	-39.12	0.41	CO19
			58.25	40.33	-258.17	-62.77	-43.36	0.41	CO17
		P_z	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO16
			58.50	40.59	-261.60	-59.84	-43.36	0.40	CO18
		M_x	58.50	40.59	-261.60	-59.84	-43.36	0.40	CO18
			55.44	41.43	-251.22	-65.21	-39.10	0.42	CO16
		M_y	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO16
			58.25	40.33	-258.17	-62.77	-43.36	0.41	CO17
		M_z	55.44	41.43	-251.22	-65.21	-39.10	0.42	CO16
			58.50	40.59	-261.60	-59.84	-43.36	0.40	CO18
Extremes			58.50	41.67	-251.22	-59.84	-39.10	0.42	
39			55.44	40.33	-261.60	-65.21	-43.36	0.40	
45	SLS DS4	P_x	10.12	9.54	-243.31	-26.39	-28.77	0.86	CO19
			9.57	9.67	-245.75	-26.58	-31.31	0.88	CO17
		P_y	9.57	9.67	-245.75	-26.58	-31.31	0.88	CO17
			10.12	9.54	-243.31	-26.39	-28.77	0.86	CO19
		P_z	9.71	9.61	-239.83	-26.80	-28.47	0.85	CO16
			10.01	9.61	-249.23	-26.19	-31.58	0.89	CO18
		M_x	10.01	9.61	-249.23	-26.19	-31.58	0.89	CO18
			9.71	9.61	-239.83	-26.80	-28.47	0.85	CO16
		M_y	9.71	9.61	-239.83	-26.80	-28.47	0.85	CO16
			10.01	9.61	-249.23	-26.19	-31.58	0.89	CO18
		M_z	10.01	9.61	-249.23	-26.19	-31.58	0.89	CO18
			9.71	9.61	-239.83	-26.80	-28.47	0.85	CO16
Extremes			10.12	9.67	-239.83	-26.19	-28.47	0.89	
45			9.57	9.54	-249.23	-26.80	-31.58	0.85	
51	SLS DS4	P_x	170.50	90.41	-186.66	-117.82	-7.58	-0.64	CO19
			160.77	89.72	-188.13	-117.56	-10.44	-0.63	CO17
		P_y	165.26	90.74	-191.75	-117.87	-10.37	-0.61	CO18
			165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO16
		P_z	165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
51		P_z	165.26	90.74	-191.75	-117.87	-10.37	-0.61	CO18
		M_x	160.77	89.72	-188.13	-117.56	-10.44	-0.63	CO17
			165.26	90.74	-191.75	-117.87	-10.37	-0.61	CO18
		M_y	170.50	90.41	-186.66	-117.82	-7.58	-0.64	CO19
			160.77	89.72	-188.13	-117.56	-10.44	-0.63	CO17
		M_z	165.26	90.74	-191.75	-117.87	-10.37	-0.61	CO18
			165.91	89.42	-182.96	-117.58	-7.62	-0.66	CO16
Extremes			170.50	90.74	-182.96	-117.56	-7.58	-0.61	
51			160.77	89.42	-191.75	-117.87	-10.44	-0.66	
54	SQ DS4	P_x	186.34	93.32	-196.49	-127.75	-9.86	-0.63	CO19
			180.86	93.32	-198.56	-128.12	-12.86	-0.63	CO17
		P_y	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO16
			181.98	93.18	-202.31	-127.08	-12.99	-0.62	CO18
		P_z	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO16
			181.98	93.18	-202.31	-127.08	-12.99	-0.62	CO18
		M_x	181.98	93.18	-202.31	-127.08	-12.99	-0.62	CO18
			184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO16
		M_y	184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO16
			181.98	93.18	-202.31	-127.08	-12.99	-0.62	CO18
		M_z	181.98	93.18	-202.31	-127.08	-12.99	-0.62	CO18
			184.94	93.48	-192.66	-128.83	-9.73	-0.64	CO16
Extremes			186.34	93.48	-192.66	-127.08	-9.73	-0.62	
54			180.86	93.18	-202.31	-128.83	-12.99	-0.64	
57	SQ DS4	P_x	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO16
			229.87	98.25	-214.56	-140.71	-12.45	-0.89	CO18
		P_y	229.87	98.25	-214.56	-140.71	-12.45	-0.89	CO18
			233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO16
		P_z	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO16
			229.87	98.25	-214.56	-140.71	-12.45	-0.89	CO18
		M_x	229.87	98.25	-214.56	-140.71	-12.45	-0.89	CO18
			233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO16
		M_y	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO16
			229.87	98.25	-214.56	-140.71	-12.45	-0.89	CO18
		M_z	233.28	97.23	-203.97	-141.16	-8.75	-0.88	CO16
			229.87	98.25	-214.56	-140.71	-12.45	-0.89	CO18
Extremes			233.28	98.25	-203.97	-140.71	-8.75	-0.88	
57			229.87	97.23	-214.56	-141.16	-12.45	-0.89	
60	SQ DS4	P_x	278.76	105.49	-224.36	-157.05	-7.54	-1.57	CO17
			267.96	106.45	-220.35	-157.64	-4.86	-1.56	CO19
		P_y	273.66	106.67	-228.14	-157.38	-8.05	-1.58	CO18
			272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO16
		P_z	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO16
			273.66	106.67	-228.14	-157.38	-8.05	-1.58	CO18
		M_x	278.76	105.49	-224.36	-157.05	-7.54	-1.57	CO17
			267.96	106.45	-220.35	-157.64	-4.86	-1.56	CO19
		M_y	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO16
			273.66	106.67	-228.14	-157.38	-8.05	-1.58	CO18
		M_z	272.84	105.27	-216.46	-157.32	-4.39	-1.55	CO16
			273.66	106.67	-228.14	-157.38	-8.05	-1.58	CO18
Extremes			278.76	106.67	-216.46	-157.05	-4.39	-1.55	
60			267.96	105.27	-228.14	-157.64	-8.05	-1.58	
71	SQ DS4	P_x	1.19	291.50	-229.10	-82.59	22.30	-15.75	CO18
			-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO16
		P_y	-0.55	294.41	-226.66	-83.72	22.55	-15.69	CO17
			-0.54	285.55	-225.24	-82.62	23.32	-15.39	CO19
		P_z	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO16
			1.19	291.50	-229.10	-82.59	22.30	-15.75	CO18
		M_x	1.19	291.50	-229.10	-82.59	22.30	-15.75	CO18
			-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO16
		M_y	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO16
			1.19	291.50	-229.10	-82.59	22.30	-15.75	CO18
		M_z	-2.25	288.54	-222.81	-83.82	23.61	-15.33	CO16
			1.19	291.50	-229.10	-82.59	22.30	-15.75	CO18
Extremes			1.19	294.41	-222.81	-82.59	23.61	-15.33	
71			-2.25	285.55	-229.10	-83.82	22.30	-15.75	
72	SQ DS4	P_x	39.76	8.18	-237.91	-25.73	-27.48	0.04	CO18
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO16
		P_y	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO16
			39.76	8.18	-237.91	-25.73	-27.48	0.04	CO18
		P_z	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO16
			39.76	8.18	-237.91	-25.73	-27.48	0.04	CO18
		M_x	39.76	8.18	-237.91	-25.73	-27.48	0.04	CO18

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
72		M_x	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO16
		M_y	36.73	8.79	-229.80	-26.94	-23.36	0.00	CO16
			39.76	8.18	-237.91	-25.73	-27.48	0.04	CO18
		M_z	39.76	8.18	-237.91	-25.73	-27.48	0.04	CO18
			36.73	8.79	-229.80	-26.94	-23.36	0.00	CO16
Extremes			39.76	8.79	-229.80	-25.73	-23.36	0.04	
72			36.73	8.18	-237.91	-26.94	-27.48	0.00	
74	SLS DS4	P_x	72.24	61.97	-248.64	0.00	0.00	-0.45	CO18
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO16
		P_y	72.24	61.97	-248.64	0.00	0.00	-0.45	CO18
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO16
		P_z	68.36	58.60	-239.11	0.00	0.00	-0.45	CO16
			72.24	61.97	-248.64	0.00	0.00	-0.45	CO18
		M_x	68.36	58.60	-239.11	0.00	0.00	-0.45	CO16
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO16
		M_y	68.36	58.60	-239.11	0.00	0.00	-0.45	CO16
			68.36	58.60	-239.11	0.00	0.00	-0.45	CO16
		M_z	68.59	59.02	-242.49	0.00	0.00	-0.44	CO19
			71.98	61.53	-245.26	0.00	0.00	-0.46	CO17
Extremes			72.24	61.97	-239.11	0.00	0.00	-0.44	
74			68.36	58.60	-248.64	0.00	0.00	-0.46	
99	SLS DS4	P_x	24.15	-29.05	-260.90	0.00	0.00	-2.33	CO18
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO16
		P_y	23.00	-28.98	-259.57	0.00	0.00	-2.34	CO17
			22.40	-29.22	-254.25	0.00	0.00	-2.26	CO19
		P_z	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO16
			24.15	-29.05	-260.90	0.00	0.00	-2.33	CO18
		M_x	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO16
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO16
		M_y	21.29	-29.15	-252.93	0.00	0.00	-2.28	CO16
			21.29	-29.15	-252.93	0.00	0.00	-2.28	CO16
		M_z	22.40	-29.22	-254.25	0.00	0.00	-2.26	CO19
			23.00	-28.98	-259.57	0.00	0.00	-2.34	CO17
Extremes			24.15	-28.98	-252.93	0.00	0.00	-2.26	
99			21.29	-29.22	-260.90	0.00	0.00	-2.34	
100	SLS DS4	P_x	95.44	12.29	-259.88	0.00	0.00	-6.12	CO17
			90.06	12.44	-254.00	0.00	0.00	-5.84	CO19
		P_y	94.60	12.50	-262.41	0.00	0.00	-6.09	CO18
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO16
		P_z	90.89	12.24	-251.45	0.00	0.00	-5.87	CO16
			94.60	12.50	-262.41	0.00	0.00	-6.09	CO18
		M_x	90.89	12.24	-251.45	0.00	0.00	-5.87	CO16
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO16
		M_y	90.89	12.24	-251.45	0.00	0.00	-5.87	CO16
			90.89	12.24	-251.45	0.00	0.00	-5.87	CO16
		M_z	90.06	12.44	-254.00	0.00	0.00	-5.84	CO19
			95.44	12.29	-259.88	0.00	0.00	-6.12	CO17
Extremes			95.44	12.50	-251.45	0.00	0.00	-5.84	
100			90.06	12.24	-262.41	0.00	0.00	-6.12	
101	SLS DS4	P_x	134.58	89.32	-244.09	0.00	0.00	-2.70	CO18
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO16
		P_y	134.58	89.32	-244.09	0.00	0.00	-2.70	CO18
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO16
		P_z	127.39	86.37	-234.23	0.00	0.00	-2.72	CO16
			134.58	89.32	-244.09	0.00	0.00	-2.70	CO18
		M_x	127.39	86.37	-234.23	0.00	0.00	-2.72	CO16
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO16
		M_y	127.39	86.37	-234.23	0.00	0.00	-2.72	CO16
			127.39	86.37	-234.23	0.00	0.00	-2.72	CO16
		M_z	134.25	88.46	-241.94	0.00	0.00	-2.60	CO17
			127.73	87.25	-236.38	0.00	0.00	-2.82	CO19
Extremes			134.58	89.32	-234.23	0.00	0.00	-2.60	
101			127.39	86.37	-244.09	0.00	0.00	-2.82	
135	SLS DS4	P_x	158.36	287.10	-295.00	0.00	0.00	-0.20	CO18
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO16
		P_y	158.36	287.10	-295.00	0.00	0.00	-0.20	CO18
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO16
		P_z	154.40	277.17	-284.88	0.00	0.00	-0.19	CO16
			158.36	287.10	-295.00	0.00	0.00	-0.20	CO18
		M_x	154.40	277.17	-284.88	0.00	0.00	-0.19	CO16
			154.40	277.17	-284.88	0.00	0.00	-0.19	CO16
		M_y	154.40	277.17	-284.88	0.00	0.00	-0.19	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
135		M_y	154.40	277.17	-284.88	0.00	0.00	-0.19	CO16
		M_z	155.26	278.57	-286.41	0.00	0.00	-0.19	CO19
			157.45	285.67	-293.47	0.00	0.00	-0.20	CO17
Extremes			158.36	287.10	-284.88	0.00	0.00	-0.19	
135			154.40	277.17	-295.00	0.00	0.00	-0.20	
138	SQ DS4	P_x	245.79	19.87	-272.34	0.00	0.00	0.30	CO18
			237.91	16.52	-262.85	0.00	0.00	0.31	CO16
		P_y	245.79	19.87	-272.34	0.00	0.00	0.30	CO18
			239.14	16.51	-264.40	0.00	0.00	0.31	CO19
		P_z	237.91	16.52	-262.85	0.00	0.00	0.31	CO16
			245.79	19.87	-272.34	0.00	0.00	0.30	CO18
		M_x	237.91	16.52	-262.85	0.00	0.00	0.31	CO16
			237.91	16.52	-262.85	0.00	0.00	0.31	CO16
		M_y	237.91	16.52	-262.85	0.00	0.00	0.31	CO16
			237.91	16.52	-262.85	0.00	0.00	0.31	CO16
		M_z	237.91	16.52	-262.85	0.00	0.00	0.31	CO16
			245.79	19.87	-272.34	0.00	0.00	0.30	CO18
Extremes			245.79	19.87	-262.85	0.00	0.00	0.31	
138			237.91	16.51	-272.34	0.00	0.00	0.30	
139	SQ DS4	P_x	73.96	172.06	-268.99	0.00	0.00	-1.32	CO18
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO16
		P_y	73.96	172.06	-268.99	0.00	0.00	-1.32	CO18
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO16
		P_z	70.40	161.08	-260.40	0.00	0.00	-1.32	CO16
			73.96	172.06	-268.99	0.00	0.00	-1.32	CO18
		M_x	70.40	161.08	-260.40	0.00	0.00	-1.32	CO16
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO16
		M_y	70.40	161.08	-260.40	0.00	0.00	-1.32	CO16
			70.40	161.08	-260.40	0.00	0.00	-1.32	CO16
		M_z	73.93	171.81	-267.69	0.00	0.00	-1.32	CO17
			70.40	161.29	-261.69	0.00	0.00	-1.32	CO19
Extremes			73.96	172.06	-260.40	0.00	0.00	-1.32	
139			70.40	161.08	-268.99	0.00	0.00	-1.32	
286	SQ DS4	P_x	-2.47	97.16	-258.28	-53.13	-4.32	-0.36	CO19
			-2.65	95.20	-261.89	-53.68	-4.79	-0.39	CO17
		P_y	-2.47	97.16	-258.28	-53.13	-4.32	-0.36	CO19
			-2.65	95.20	-261.89	-53.68	-4.79	-0.39	CO17
		P_z	-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO16
			-2.62	96.22	-264.98	-48.75	-4.72	-0.39	CO18
		M_x	-2.62	96.22	-264.98	-48.75	-4.72	-0.39	CO18
			-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO16
		M_y	-2.47	97.16	-258.28	-53.13	-4.32	-0.36	CO19
			-2.65	95.20	-261.89	-53.68	-4.79	-0.39	CO17
		M_z	-2.50	96.16	-255.18	-58.14	-4.39	-0.35	CO16
			-2.62	96.22	-264.98	-48.75	-4.72	-0.39	CO18
Extremes			-2.47	97.16	-255.18	-48.75	-4.32	-0.35	
286			-2.65	95.20	-264.98	-58.14	-4.79	-0.39	
322	SQ DS4	P_x	-42.59	233.09	-255.52	0.00	0.00	16.33	CO17
			-45.97	230.80	-249.33	0.00	0.00	15.88	CO19
		P_y	-43.69	238.28	-257.71	0.00	0.00	16.59	CO18
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO16
		P_z	-44.88	225.57	-247.13	0.00	0.00	15.61	CO16
			-43.69	238.28	-257.71	0.00	0.00	16.59	CO18
		M_x	-44.88	225.57	-247.13	0.00	0.00	15.61	CO16
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO16
		M_y	-44.88	225.57	-247.13	0.00	0.00	15.61	CO16
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO16
		M_z	-43.69	238.28	-257.71	0.00	0.00	16.59	CO18
			-44.88	225.57	-247.13	0.00	0.00	15.61	CO16
Extremes			-42.59	238.28	-247.13	0.00	0.00	16.59	
322			-45.97	225.57	-257.71	0.00	0.00	15.61	
340	SQ DS4	P_x	-82.23	13.61	-189.09	-23.61	4.71	2.95	CO16
			-86.72	13.54	-193.68	-23.52	4.83	2.95	CO18
		P_y	-83.57	13.71	-190.13	-23.76	4.75	2.99	CO19
			-85.40	13.44	-192.65	-23.36	4.78	2.91	CO17
		P_z	-82.23	13.61	-189.09	-23.61	4.71	2.95	CO16
			-86.72	13.54	-193.68	-23.52	4.83	2.95	CO18
		M_x	-85.40	13.44	-192.65	-23.36	4.78	2.91	CO17
			-83.57	13.71	-190.13	-23.76	4.75	2.99	CO19
		M_y	-86.72	13.54	-193.68	-23.52	4.83	2.95	CO18
			-82.23	13.61	-189.09	-23.61	4.71	2.95	CO16
		M_z	-83.57	13.71	-190.13	-23.76	4.75	2.99	CO19

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
340		M_z	-85.40	13.44	-192.65	-23.36	4.78	2.91	CO17
Extremes			-82.23	13.71	-189.09	-23.36	4.83	2.99	
340			-86.72	13.44	-193.68	-23.76	4.71	2.91	
341	SQ DS4	P_x	91.43	4.25	-185.93	-20.74	-8.56	-2.67	CO17
			90.97	4.70	-183.54	-21.19	-8.42	-2.75	CO19
		P_y	90.97	4.70	-183.54	-21.19	-8.42	-2.75	CO19
			91.43	4.25	-185.93	-20.74	-8.56	-2.67	CO17
		P_z	91.32	4.34	-182.47	-20.97	-8.39	-2.70	CO16
			91.08	4.60	-186.99	-20.97	-8.59	-2.71	CO18
		M_x	91.43	4.25	-185.93	-20.74	-8.56	-2.67	CO17
			90.97	4.70	-183.54	-21.19	-8.42	-2.75	CO19
		M_y	91.32	4.34	-182.47	-20.97	-8.39	-2.70	CO16
			91.08	4.60	-186.99	-20.97	-8.59	-2.71	CO18
		M_z	91.43	4.25	-185.93	-20.74	-8.56	-2.67	CO17
			90.97	4.70	-183.54	-21.19	-8.42	-2.75	CO19
Extremes			91.43	4.70	-182.47	-20.74	-8.39	-2.67	
341			90.97	4.25	-186.99	-21.19	-8.59	-2.75	
342	SQ DS4	P_x	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO16
			-80.79	14.57	-179.58	-21.23	7.06	2.06	CO18
		P_y	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO16
			-80.79	14.57	-179.58	-21.23	7.06	2.06	CO18
		P_z	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO16
			-80.79	14.57	-179.58	-21.23	7.06	2.06	CO18
		M_x	-80.79	14.57	-179.58	-21.23	7.06	2.06	CO18
			-76.82	14.73	-174.75	-21.65	6.88	2.10	CO16
		M_y	-80.79	14.57	-179.58	-21.23	7.06	2.06	CO18
			-76.82	14.73	-174.75	-21.65	6.88	2.10	CO16
		M_z	-76.82	14.73	-174.75	-21.65	6.88	2.10	CO16
			-80.79	14.57	-179.58	-21.23	7.06	2.06	CO18
Extremes			-76.82	14.73	-174.75	-21.23	7.06	2.10	
342			-80.79	14.57	-179.58	-21.65	6.88	2.06	
343	SQ DS4	P_x	73.49	-1.74	-174.44	-16.87	-9.91	-1.86	CO17
			73.20	-1.52	-170.81	-16.93	-9.65	-1.87	CO19
		P_y	73.20	-1.52	-170.81	-16.93	-9.65	-1.87	CO19
			73.49	-1.74	-174.44	-16.87	-9.91	-1.86	CO17
		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO16
			73.43	-1.72	-174.97	-16.69	-9.92	-1.84	CO18
		M_x	73.43	-1.72	-174.97	-16.69	-9.92	-1.84	CO18
			73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO16
		M_y	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO16
			73.43	-1.72	-174.97	-16.69	-9.92	-1.84	CO18
		M_z	73.43	-1.72	-174.97	-16.69	-9.92	-1.84	CO18
			73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO16
Extremes			73.49	-1.52	-170.26	-16.69	-9.64	-1.84	
343			73.20	-1.74	-174.97	-17.12	-9.92	-1.88	
365	SQ DS4	P_x	-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
			-159.65	33.67	-302.49	0.00	0.00	0.16	CO18
		P_y	-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
			-159.65	33.67	-302.49	0.00	0.00	0.16	CO18
		P_z	-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
			-159.65	33.67	-302.49	0.00	0.00	0.16	CO18
		M_x	-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
			-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
		M_y	-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
			-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
		M_z	-146.16	42.11	-290.18	0.00	0.00	0.24	CO16
			-159.65	33.67	-302.49	0.00	0.00	0.16	CO18
Extremes			-146.16	42.11	-290.18	0.00	0.00	0.24	
365			-159.65	33.67	-302.49	0.00	0.00	0.16	
370	SQ DS4	P_x	142.34	-59.90	-257.23	-133.00	0.92	-4.03	CO16
			137.44	-70.41	-270.03	-133.49	-1.88	-4.03	CO18
		P_y	141.38	-59.60	-260.67	-131.54	0.93	-3.99	CO19
			138.33	-70.43	-266.67	-134.88	-1.89	-4.07	CO17
		P_z	142.34	-59.90	-257.23	-133.00	0.92	-4.03	CO16
			137.44	-70.41	-270.03	-133.49	-1.88	-4.03	CO18
		M_x	141.38	-59.60	-260.67	-131.54	0.93	-3.99	CO19
			138.33	-70.43	-266.67	-134.88	-1.89	-4.07	CO17
		M_y	141.38	-59.60	-260.67	-131.54	0.93	-3.99	CO19
			138.33	-70.43	-266.67	-134.88	-1.89	-4.07	CO17
		M_z	141.38	-59.60	-260.67	-131.54	0.93	-3.99	CO19
			138.33	-70.43	-266.67	-134.88	-1.89	-4.07	CO17
Extremes			142.34	-59.60	-257.23	-131.54	0.93	-3.99	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
370			137.44	-70.43	-270.03	-134.88	-1.89	-4.07	
372	SLS DS4	P_x	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO16
			-2.25	162.24	-289.76	-85.83	-6.14	0.41	CO18
		P_y	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO16
			-2.25	162.24	-289.76	-85.83	-6.14	0.41	CO18
		P_z	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO16
			-2.25	162.24	-289.76	-85.83	-6.14	0.41	CO18
		M_x	-2.08	166.95	-279.53	-85.44	-5.59	0.42	CO19
			-2.21	164.12	-286.60	-87.35	-6.10	0.41	CO17
		M_y	-2.04	168.73	-276.32	-87.05	-5.55	0.41	CO16
			-2.25	162.24	-289.76	-85.83	-6.14	0.41	CO18
		M_z	-2.08	166.95	-279.53	-85.44	-5.59	0.42	CO19
			-2.21	164.12	-286.60	-87.35	-6.10	0.41	CO17
Extremes			-2.04	168.73	-276.32	-85.44	-5.55	0.42	
372			-2.25	162.24	-289.76	-87.35	-6.14	0.41	
377	SLS DS4	P_x	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO16
			-3.27	-17.19	-299.35	-70.76	-10.33	1.79	CO18
		P_y	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO16
			-3.27	-17.19	-299.35	-70.76	-10.33	1.79	CO18
		P_z	-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO16
			-3.27	-17.19	-299.35	-70.76	-10.33	1.79	CO18
		M_x	-3.27	-17.19	-299.35	-70.76	-10.33	1.79	CO18
			-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO16
		M_y	-3.06	-11.39	-289.25	-72.52	-9.72	1.70	CO19
			-3.21	-12.36	-296.48	-72.57	-10.34	1.76	CO17
		M_z	-3.27	-17.19	-299.35	-70.76	-10.33	1.79	CO18
			-3.00	-6.57	-286.35	-74.41	-9.72	1.67	CO16
Extremes			-3.00	-6.57	-286.35	-70.76	-9.72	1.79	
377			-3.27	-17.19	-299.35	-74.41	-10.34	1.67	
415	SLS DS4	P_x	0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO16
			-2.43	203.48	-202.96	-110.75	-78.91	-3.82	CO18
		P_y	-0.06	203.88	-198.93	-111.47	-78.66	-3.79	CO19
			-2.10	198.93	-200.16	-111.70	-79.90	-3.84	CO17
		P_z	0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO16
			-2.43	203.48	-202.96	-110.75	-78.91	-3.82	CO18
		M_x	-2.43	203.48	-202.96	-110.75	-78.91	-3.82	CO18
			0.26	199.24	-196.09	-112.47	-79.64	-3.81	CO16
		M_y	-0.06	203.88	-198.93	-111.47	-78.66	-3.79	CO19
			-2.10	198.93	-200.16	-111.70	-79.90	-3.84	CO17
		M_z	-0.06	203.88	-198.93	-111.47	-78.66	-3.79	CO19
			-2.10	198.93	-200.16	-111.70	-79.90	-3.84	CO17
Extremes			0.26	203.88	-196.09	-110.75	-78.66	-3.79	
415			-2.43	198.93	-202.96	-112.47	-79.90	-3.84	
417	SLS DS4	P_x	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO16
			65.67	134.34	-183.61	-80.48	-83.48	0.90	CO18
		P_y	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO16
			65.67	134.34	-183.61	-80.48	-83.48	0.90	CO18
		P_z	67.80	140.55	-176.51	-82.07	-84.03	0.77	CO16
			65.67	134.34	-183.61	-80.48	-83.48	0.90	CO18
		M_x	65.67	134.34	-183.61	-80.48	-83.48	0.90	CO18
			67.80	140.55	-176.51	-82.07	-84.03	0.77	CO16
		M_y	67.46	138.54	-179.57	-81.07	-83.13	0.84	CO19
			66.00	136.31	-180.59	-81.41	-84.39	0.83	CO17
		M_z	65.67	134.34	-183.61	-80.48	-83.48	0.90	CO18
			67.80	140.55	-176.51	-82.07	-84.03	0.77	CO16
Extremes			67.80	140.55	-176.51	-80.48	-83.13	0.90	
417			65.67	134.34	-183.61	-82.07	-84.39	0.77	
419	SLS DS4	P_x	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO16
			-72.41	218.36	-199.53	-81.47	-61.24	-0.33	CO18
		P_y	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO16
			-72.41	218.36	-199.53	-81.47	-61.24	-0.33	CO18
		P_z	-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO16
			-72.41	218.36	-199.53	-81.47	-61.24	-0.33	CO18
		M_x	-72.41	218.36	-199.53	-81.47	-61.24	-0.33	CO18
			-72.11	227.13	-192.67	-83.32	-61.10	-0.34	CO16
		M_y	-72.37	223.50	-195.50	-82.11	-61.05	-0.31	CO19
			-72.15	221.96	-196.72	-82.62	-61.29	-0.36	CO17
		M_z	-72.37	223.50	-195.50	-82.11	-61.05	-0.31	CO19
			-72.15	221.96	-196.72	-82.62	-61.29	-0.36	CO17
Extremes			-72.11	227.13	-192.67	-81.47	-61.05	-0.31	
419			-72.41	218.36	-199.53	-83.32	-61.29	-0.36	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
422	SLS DS4	P_x	30.02	145.74	-235.29	-30.05	53.54	0.39	CO18
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO16
		P_y	30.02	145.74	-235.29	-30.05	53.54	0.39	CO18
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO16
		P_z	28.65	138.93	-229.23	-30.55	51.57	0.40	CO16
			30.02	145.74	-235.29	-30.05	53.54	0.39	CO18
		M_x	30.02	145.74	-235.29	-30.05	53.54	0.39	CO18
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO16
		M_y	30.02	145.74	-235.29	-30.05	53.54	0.39	CO18
			28.65	138.93	-229.23	-30.55	51.57	0.40	CO16
		M_z	29.64	145.18	-232.97	-30.46	53.19	0.41	CO17
			29.01	139.47	-231.54	-30.11	51.90	0.37	CO19
Extremes			30.02	145.74	-229.23	-30.05	53.54	0.41	
422			28.65	138.93	-235.29	-30.55	51.57	0.37	
424	SLS DS4	P_x	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO16
			-73.30	259.82	-214.74	-82.37	-45.42	1.59	CO18
		P_y	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO16
			-73.30	259.82	-214.74	-82.37	-45.42	1.59	CO18
		P_z	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO16
			-73.30	259.82	-214.74	-82.37	-45.42	1.59	CO18
		M_x	-73.30	259.82	-214.74	-82.37	-45.42	1.59	CO18
			-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO16
		M_y	-72.50	266.64	-208.13	-84.11	-44.61	1.47	CO16
			-73.30	259.82	-214.74	-82.37	-45.42	1.59	CO18
		M_z	-72.86	265.71	-212.12	-83.68	-45.15	1.59	CO17
			-72.95	260.69	-210.75	-82.75	-44.89	1.46	CO19
Extremes			-72.50	266.64	-208.13	-82.37	-44.61	1.59	
424			-73.30	259.82	-214.74	-84.11	-45.42	1.46	
443	SLS DS4	P_x	93.50	231.76	-173.67	-229.97	-10.65	10.49	CO19
			86.18	225.47	-174.56	-230.88	-12.99	10.58	CO17
		P_y	93.50	231.76	-173.67	-229.97	-10.65	10.49	CO19
			86.18	225.47	-174.56	-230.88	-12.99	10.58	CO17
		P_z	88.04	227.28	-170.32	-232.31	-10.75	10.69	CO16
			91.61	229.93	-177.86	-228.65	-12.85	10.39	CO18
		M_x	91.61	229.93	-177.86	-228.65	-12.85	10.39	CO18
			88.04	227.28	-170.32	-232.31	-10.75	10.69	CO16
		M_y	93.50	231.76	-173.67	-229.97	-10.65	10.49	CO19
			86.18	225.47	-174.56	-230.88	-12.99	10.58	CO17
		M_z	88.04	227.28	-170.32	-232.31	-10.75	10.69	CO16
			91.61	229.93	-177.86	-228.65	-12.85	10.39	CO18
Extremes			93.50	231.76	-170.32	-228.65	-10.65	10.69	
443			86.18	225.47	-177.86	-232.31	-12.99	10.39	
445	SLS DS4	P_x	134.65	-116.57	-239.41	-189.78	-8.17	6.09	CO17
			128.30	-106.49	-233.83	-188.67	-5.49	6.04	CO19
		P_y	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO16
			131.51	-117.52	-243.10	-187.19	-8.42	6.04	CO18
		P_z	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO16
			131.51	-117.52	-243.10	-187.19	-8.42	6.04	CO18
		M_x	131.51	-117.52	-243.10	-187.19	-8.42	6.04	CO18
			131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO16
		M_y	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO16
			131.51	-117.52	-243.10	-187.19	-8.42	6.04	CO18
		M_z	131.82	-105.75	-230.04	-191.30	-5.22	6.10	CO16
			131.51	-117.52	-243.10	-187.19	-8.42	6.04	CO18
Extremes			134.65	-105.75	-230.04	-187.19	-5.22	6.10	
445			128.30	-117.52	-243.10	-191.30	-8.42	6.04	
465	SLS DS4	P_x	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO16
			-7.21	2.18	-310.31	-13.60	-11.99	-0.43	CO18
		P_y	-6.72	2.95	-299.91	-14.78	-11.10	-0.41	CO19
			-7.20	2.17	-307.75	-13.75	-11.99	-0.42	CO17
		P_z	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO16
			-7.21	2.18	-310.31	-13.60	-11.99	-0.43	CO18
		M_x	-7.21	2.18	-310.31	-13.60	-11.99	-0.43	CO18
			-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO16
		M_y	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO16
			-7.21	2.18	-310.31	-13.60	-11.99	-0.43	CO18
		M_z	-6.71	2.94	-297.34	-14.94	-11.09	-0.40	CO16
			-7.21	2.18	-310.31	-13.60	-11.99	-0.43	CO18
Extremes			-6.71	2.95	-297.34	-13.60	-11.09	-0.40	
465			-7.21	2.17	-310.31	-14.94	-11.99	-0.43	
468	SLS DS4	P_x	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO16
			0.03	-3.59	-328.15	-3.64	-1.41	-0.43	CO18

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
468		P_y	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO16
			0.03	-3.59	-328.15	-3.64	-1.41	-0.43	CO18
		P_z	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO16
			0.03	-3.59	-328.15	-3.64	-1.41	-0.43	CO18
		M_x	0.03	-3.59	-328.15	-3.64	-1.41	-0.43	CO18
			0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO16
		M_y	0.08	-2.52	-317.01	-5.33	-1.15	-0.41	CO19
			0.04	-3.59	-325.42	-3.84	-1.43	-0.42	CO17
		M_z	0.09	-2.51	-314.28	-5.53	-1.15	-0.40	CO16
			0.03	-3.59	-328.15	-3.64	-1.41	-0.43	CO18
Extremes			0.09	-2.51	-314.28	-3.64	-1.15	-0.40	
468			0.03	-3.59	-328.15	-5.53	-1.43	-0.43	
542	SLS DS4	P_x	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
			-23.12	-106.03	-275.48	0.00	0.00	0.74	CO18
		P_y	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
			-23.12	-106.03	-275.48	0.00	0.00	0.74	CO18
		P_z	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
			-23.12	-106.03	-275.48	0.00	0.00	0.74	CO18
		M_x	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
		M_y	-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
		M_z	-23.12	-106.03	-275.48	0.00	0.00	0.74	CO18
			-17.88	-101.68	-261.83	0.00	0.00	0.73	CO16
Extremes			-17.88	-101.68	-261.83	0.00	0.00	0.74	
542			-23.12	-106.03	-275.48	0.00	0.00	0.73	
547	SLS DS4	P_x	19.11	70.94	-193.25	0.00	0.00	0.05	CO19
			17.06	71.90	-192.90	0.00	0.00	0.05	CO17
		P_y	17.81	72.42	-194.49	0.00	0.00	0.05	CO18
			18.35	70.43	-191.68	0.00	0.00	0.05	CO16
		P_z	18.35	70.43	-191.68	0.00	0.00	0.05	CO16
			17.81	72.42	-194.49	0.00	0.00	0.05	CO18
		M_x	18.35	70.43	-191.68	0.00	0.00	0.05	CO16
			18.35	70.43	-191.68	0.00	0.00	0.05	CO16
		M_y	18.35	70.43	-191.68	0.00	0.00	0.05	CO16
			18.35	70.43	-191.68	0.00	0.00	0.05	CO16
		M_z	18.35	70.43	-191.68	0.00	0.00	0.05	CO16
			17.81	72.42	-194.49	0.00	0.00	0.05	CO18
Extremes			19.11	72.42	-191.68	0.00	0.00	0.05	
547			17.06	70.43	-194.49	0.00	0.00	0.05	
548	SLS DS4	P_x	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO16
			-148.70	-55.35	-220.60	0.00	0.00	6.10	CO18
		P_y	-147.87	-54.85	-218.43	0.00	0.00	6.06	CO17
			-144.22	-55.43	-217.41	0.00	0.00	5.89	CO19
		P_z	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO16
			-148.70	-55.35	-220.60	0.00	0.00	6.10	CO18
		M_x	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO16
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO16
		M_y	-143.41	-54.93	-215.24	0.00	0.00	5.85	CO16
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO16
		M_z	-148.70	-55.35	-220.60	0.00	0.00	6.10	CO18
			-143.41	-54.93	-215.24	0.00	0.00	5.85	CO16
Extremes			-143.41	-54.85	-215.24	0.00	0.00	6.10	
548			-148.70	-55.43	-220.60	0.00	0.00	5.85	
589	SLS DS4	P_x	-0.69	-4.18	-195.47	14.92	-4.37	-0.78	CO19
			-0.88	-4.27	-192.90	15.36	-5.11	-0.81	CO17
		P_y	-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO16
			-0.79	-4.33	-196.82	15.64	-4.82	-0.80	CO18
		P_z	-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO16
			-0.79	-4.33	-196.82	15.64	-4.82	-0.80	CO18
		M_x	-0.79	-4.33	-196.82	15.64	-4.82	-0.80	CO18
			-0.77	-4.12	-191.55	14.64	-4.66	-0.79	CO16
		M_y	-0.69	-4.18	-195.47	14.92	-4.37	-0.78	CO19
			-0.88	-4.27	-192.90	15.36	-5.11	-0.81	CO17
		M_z	-0.69	-4.18	-195.47	14.92	-4.37	-0.78	CO19
			-0.88	-4.27	-192.90	15.36	-5.11	-0.81	CO17
Extremes			-0.69	-4.12	-191.55	15.64	-4.37	-0.78	
589			-0.88	-4.33	-196.82	14.64	-5.11	-0.81	
593	SLS DS4	P_x	170.61	78.73	-177.78	-111.30	-5.32	-2.56	CO19
			159.45	78.24	-178.83	-111.41	-7.96	-2.53	CO17
		P_y	166.67	79.22	-182.26	-111.67	-7.74	-2.57	CO18
			163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
593		P_z	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO16
			166.67	79.22	-182.26	-111.67	-7.74	-2.57	CO18
		M_x	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO16
			166.67	79.22	-182.26	-111.67	-7.74	-2.57	CO18
		M_y	170.61	78.73	-177.78	-111.30	-5.32	-2.56	CO19
			159.45	78.24	-178.83	-111.41	-7.96	-2.53	CO17
		M_z	163.40	77.77	-174.28	-111.11	-5.50	-2.52	CO16
			166.67	79.22	-182.26	-111.67	-7.74	-2.57	CO18
Extremes			170.61	79.22	-174.28	-111.11	-5.32	-2.52	
593			159.45	77.77	-182.26	-111.67	-7.96	-2.57	
607	SLS DS4	P_x	-0.21	-3.80	-205.82	12.13	-2.99	-0.85	CO17
			-0.35	-3.73	-206.85	11.82	-3.26	-0.82	CO19
		P_y	-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO16
			-0.26	-3.87	-209.55	12.46	-3.12	-0.84	CO18
		P_z	-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO16
			-0.26	-3.87	-209.55	12.46	-3.12	-0.84	CO18
		M_x	-0.26	-3.87	-209.55	12.46	-3.12	-0.84	CO18
			-0.30	-3.66	-203.11	11.49	-3.13	-0.82	CO16
		M_y	-0.21	-3.80	-205.82	12.13	-2.99	-0.85	CO17
			-0.35	-3.73	-206.85	11.82	-3.26	-0.82	CO19
		M_z	-0.35	-3.73	-206.85	11.82	-3.26	-0.82	CO19
			-0.21	-3.80	-205.82	12.13	-2.99	-0.85	CO17
Extremes			-0.21	-3.66	-203.11	12.46	-2.99	-0.82	
607			-0.35	-3.87	-209.55	11.49	-3.26	-0.85	
687	SLS DS4	P_x	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
			-40.11	28.47	-207.58	0.00	0.00	-0.35	CO18
		P_y	-40.11	28.47	-207.58	0.00	0.00	-0.35	CO18
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
		P_z	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
			-40.11	28.47	-207.58	0.00	0.00	-0.35	CO18
		M_x	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
		M_y	-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
		M_z	-40.11	28.47	-207.58	0.00	0.00	-0.35	CO18
			-39.33	25.46	-203.49	0.00	0.00	-0.37	CO16
Extremes			-39.33	28.47	-203.49	0.00	0.00	-0.35	
687			-40.11	25.46	-207.58	0.00	0.00	-0.37	
688	SLS DS4	P_x	-27.21	-31.74	-199.55	0.00	0.00	3.77	CO19
			-30.11	-31.90	-199.51	0.00	0.00	3.73	CO17
		P_y	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO16
			-29.28	-31.90	-201.14	0.00	0.00	3.74	CO18
		P_z	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO16
			-29.28	-31.90	-201.14	0.00	0.00	3.74	CO18
		M_x	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO16
			-28.05	-31.73	-197.93	0.00	0.00	3.76	CO16
		M_y	-28.05	-31.73	-197.93	0.00	0.00	3.76	CO16
			-28.05	-31.73	-197.93	0.00	0.00	3.76	CO16
		M_z	-27.21	-31.74	-199.55	0.00	0.00	3.77	CO19
			-30.11	-31.90	-199.51	0.00	0.00	3.73	CO17
Extremes			-27.21	-31.73	-197.93	0.00	0.00	3.77	
688			-30.11	-31.90	-201.14	0.00	0.00	3.73	
689	SLS DS4	P_x	-0.67	-41.78	-206.62	0.00	0.00	0.65	CO19
			-1.56	-41.81	-206.92	0.00	0.00	0.62	CO17
		P_y	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO16
			-1.03	-41.81	-208.61	0.00	0.00	0.63	CO18
		P_z	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO16
			-1.03	-41.81	-208.61	0.00	0.00	0.63	CO18
		M_x	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO16
			-1.21	-41.78	-204.94	0.00	0.00	0.64	CO16
		M_y	-1.21	-41.78	-204.94	0.00	0.00	0.64	CO16
			-1.21	-41.78	-204.94	0.00	0.00	0.64	CO16
		M_z	-0.67	-41.78	-206.62	0.00	0.00	0.65	CO19
			-1.56	-41.81	-206.92	0.00	0.00	0.62	CO17
Extremes			-0.67	-41.78	-204.94	0.00	0.00	0.65	
689			-1.56	-41.81	-208.61	0.00	0.00	0.62	
690	SLS DS4	P_x	15.89	-41.93	-216.52	0.00	0.00	-0.37	CO18
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO16
		P_y	14.56	-41.92	-214.09	0.00	0.00	-0.36	CO19
			15.75	-41.93	-214.78	0.00	0.00	-0.37	CO17
		P_z	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO16
			15.89	-41.93	-216.52	0.00	0.00	-0.37	CO18

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
690		M_x	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO16
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO16
		M_y	14.44	-41.92	-212.36	0.00	0.00	-0.37	CO16
			14.44	-41.92	-212.36	0.00	0.00	-0.37	CO16
		M_z	14.56	-41.92	-214.09	0.00	0.00	-0.36	CO19
			15.75	-41.93	-214.78	0.00	0.00	-0.37	CO17
Extremes			15.89	-41.92	-212.36	0.00	0.00	-0.36	
690			14.44	-41.93	-216.52	0.00	0.00	-0.37	
691	SLS DS4	P_x	71.49	-30.62	-224.62	0.00	0.00	-3.58	CO18
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO16
		P_y	70.64	-30.58	-222.83	0.00	0.00	-3.60	CO17
			67.42	-30.65	-221.73	0.00	0.00	-3.56	CO19
		P_z	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO16
			71.49	-30.62	-224.62	0.00	0.00	-3.58	CO18
		M_x	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO16
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO16
		M_y	66.59	-30.61	-219.95	0.00	0.00	-3.58	CO16
			66.59	-30.61	-219.95	0.00	0.00	-3.58	CO16
		M_z	67.42	-30.65	-221.73	0.00	0.00	-3.56	CO19
			70.64	-30.58	-222.83	0.00	0.00	-3.60	CO17
Extremes			71.49	-30.58	-219.95	0.00	0.00	-3.56	
691			66.59	-30.65	-224.62	0.00	0.00	-3.60	
692	SLS DS4	P_x	107.83	-10.84	-241.85	0.00	0.00	2.02	CO17
			98.72	-10.95	-239.65	0.00	0.00	1.99	CO19
		P_y	106.84	-10.79	-243.71	0.00	0.00	2.10	CO18
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO16
		P_z	99.73	-11.00	-237.80	0.00	0.00	1.92	CO16
			106.84	-10.79	-243.71	0.00	0.00	2.10	CO18
		M_x	99.73	-11.00	-237.80	0.00	0.00	1.92	CO16
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO16
		M_y	99.73	-11.00	-237.80	0.00	0.00	1.92	CO16
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO16
		M_z	106.84	-10.79	-243.71	0.00	0.00	2.10	CO18
			99.73	-11.00	-237.80	0.00	0.00	1.92	CO16
Extremes			107.83	-10.79	-237.80	0.00	0.00	2.10	
692			98.72	-11.00	-243.71	0.00	0.00	1.92	
693	SLS DS4	P_x	12.20	9.40	-252.84	0.00	0.00	-0.94	CO17
			8.58	9.10	-249.56	0.00	0.00	-0.93	CO19
		P_y	10.25	10.24	-254.53	0.00	0.00	-0.99	CO18
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO16
		P_z	10.53	8.26	-247.87	0.00	0.00	-0.89	CO16
			10.25	10.24	-254.53	0.00	0.00	-0.99	CO18
		M_x	10.53	8.26	-247.87	0.00	0.00	-0.89	CO16
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO16
		M_y	10.53	8.26	-247.87	0.00	0.00	-0.89	CO16
			10.53	8.26	-247.87	0.00	0.00	-0.89	CO16
		M_z	10.53	8.26	-247.87	0.00	0.00	-0.89	CO16
			10.25	10.24	-254.53	0.00	0.00	-0.99	CO18
Extremes			12.20	10.24	-247.87	0.00	0.00	-0.89	
693			8.58	8.26	-254.53	0.00	0.00	-0.99	
694	SLS DS4	P_x	-11.28	-37.16	-253.14	0.00	0.00	-2.19	CO17
			-14.77	-37.05	-249.51	0.00	0.00	-2.15	CO19
		P_y	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO16
			-13.45	-37.24	-254.74	0.00	0.00	-2.24	CO18
		P_z	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO16
			-13.45	-37.24	-254.74	0.00	0.00	-2.24	CO18
		M_x	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO16
			-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO16
		M_y	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO16
			-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO16
		M_z	-12.60	-36.97	-247.92	0.00	0.00	-2.10	CO16
			-13.45	-37.24	-254.74	0.00	0.00	-2.24	CO18
Extremes			-11.28	-36.97	-247.92	0.00	0.00	-2.10	
694			-14.77	-37.24	-254.74	0.00	0.00	-2.24	
695	SLS DS4	P_x	6.86	-32.16	-253.76	0.00	0.00	-0.13	CO17
			4.69	-32.13	-249.78	0.00	0.00	-0.13	CO19
		P_y	4.69	-32.13	-249.78	0.00	0.00	-0.13	CO19
			6.86	-32.16	-253.76	0.00	0.00	-0.13	CO17
		P_z	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO16
			5.72	-32.13	-255.27	0.00	0.00	-0.14	CO18
		M_x	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO16
			5.83	-32.16	-248.28	0.00	0.00	-0.13	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
695		M_y	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO16
			5.83	-32.16	-248.28	0.00	0.00	-0.13	CO16
		M_z	5.83	-32.16	-248.28	0.00	0.00	-0.13	CO16
			5.72	-32.13	-255.27	0.00	0.00	-0.14	CO18
Extremes			6.86	-32.13	-248.28	0.00	0.00	-0.13	
695			4.69	-32.16	-255.27	0.00	0.00	-0.14	
696	SLS DS4	P_x	4.32	-32.99	-250.16	0.00	0.00	-0.24	CO19
			3.46	-33.04	-254.44	0.00	0.00	-0.24	CO17
		P_y	4.32	-32.99	-250.16	0.00	0.00	-0.24	CO19
			3.46	-33.04	-254.44	0.00	0.00	-0.24	CO17
		P_z	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO16
			3.67	-33.04	-255.89	0.00	0.00	-0.24	CO18
		M_x	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO16
			4.13	-32.99	-248.72	0.00	0.00	-0.24	CO16
		M_y	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO16
			4.13	-32.99	-248.72	0.00	0.00	-0.24	CO16
		M_z	4.13	-32.99	-248.72	0.00	0.00	-0.24	CO16
			3.67	-33.04	-255.89	0.00	0.00	-0.24	CO18
Extremes			4.32	-32.99	-248.72	0.00	0.00	-0.24	
696			3.46	-33.04	-255.89	0.00	0.00	-0.24	
697	SLS DS4	P_x	-15.74	-32.98	-250.68	0.00	0.00	-0.19	CO19
			-19.74	-33.07	-255.23	0.00	0.00	-0.19	CO17
		P_y	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO16
			-18.41	-33.08	-256.63	0.00	0.00	-0.19	CO18
		P_z	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO16
			-18.41	-33.08	-256.63	0.00	0.00	-0.19	CO18
		M_x	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO16
			-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO16
		M_y	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO16
			-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO16
		M_z	-17.05	-32.98	-249.29	0.00	0.00	-0.19	CO16
			-18.41	-33.08	-256.63	0.00	0.00	-0.19	CO18
Extremes			-15.74	-32.98	-249.29	0.00	0.00	-0.19	
697			-19.74	-33.08	-256.63	0.00	0.00	-0.19	
698	SLS DS4	P_x	-37.56	-29.29	-251.34	0.00	0.00	-0.45	CO19
			-43.61	-29.35	-256.12	0.00	0.00	-0.47	CO17
		P_y	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO16
			-41.85	-29.36	-257.50	0.00	0.00	-0.48	CO18
		P_z	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO16
			-41.85	-29.36	-257.50	0.00	0.00	-0.48	CO18
		M_x	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO16
			-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO16
		M_y	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO16
			-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO16
		M_z	-39.30	-29.29	-249.98	0.00	0.00	-0.45	CO16
			-41.85	-29.36	-257.50	0.00	0.00	-0.48	CO18
Extremes			-37.56	-29.29	-249.98	0.00	0.00	-0.45	
698			-43.61	-29.36	-257.50	0.00	0.00	-0.48	
699	SLS DS4	P_x	-34.46	-32.04	-252.20	0.00	0.00	2.60	CO19
			-39.10	-32.02	-257.21	0.00	0.00	2.61	CO17
		P_y	-37.58	-32.01	-258.56	0.00	0.00	2.60	CO18
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO16
		P_z	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO16
			-37.58	-32.01	-258.56	0.00	0.00	2.60	CO18
		M_x	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO16
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO16
		M_y	-35.95	-32.05	-250.86	0.00	0.00	2.60	CO16
			-35.95	-32.05	-250.86	0.00	0.00	2.60	CO16
		M_z	-39.10	-32.02	-257.21	0.00	0.00	2.61	CO17
			-34.46	-32.04	-252.20	0.00	0.00	2.60	CO19
Extremes			-34.46	-32.01	-250.86	0.00	0.00	2.61	
699			-39.10	-32.05	-258.56	0.00	0.00	2.60	
700	SLS DS4	P_x	115.86	-29.50	-264.22	0.00	0.00	3.45	CO18
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO16
		P_y	115.17	-29.46	-262.91	0.00	0.00	3.46	CO17
			112.57	-29.51	-257.29	0.00	0.00	3.39	CO19
		P_z	111.90	-29.48	-255.98	0.00	0.00	3.40	CO16
			115.86	-29.50	-264.22	0.00	0.00	3.45	CO18
		M_x	111.90	-29.48	-255.98	0.00	0.00	3.40	CO16
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO16
		M_y	111.90	-29.48	-255.98	0.00	0.00	3.40	CO16
			111.90	-29.48	-255.98	0.00	0.00	3.40	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
700		M_z	115.17	-29.46	-262.91	0.00	0.00	3.46	CO17
			112.57	-29.51	-257.29	0.00	0.00	3.39	CO19
Extremes			115.86	-29.46	-255.98	0.00	0.00	3.46	
700			111.90	-29.51	-264.22	0.00	0.00	3.39	
703	SLS DS4	P_x	21.00	284.52	-290.70	0.00	0.00	0.26	CO19
			20.85	291.57	-298.01	0.00	0.00	0.24	CO17
		P_y	20.88	292.73	-299.84	0.00	0.00	0.23	CO18
			20.97	283.40	-288.86	0.00	0.00	0.28	CO16
		P_z	20.97	283.40	-288.86	0.00	0.00	0.28	CO16
			20.88	292.73	-299.84	0.00	0.00	0.23	CO18
		M_x	20.97	283.40	-288.86	0.00	0.00	0.28	CO16
			20.97	283.40	-288.86	0.00	0.00	0.28	CO16
		M_y	20.97	283.40	-288.86	0.00	0.00	0.28	CO16
			20.97	283.40	-288.86	0.00	0.00	0.28	CO16
		M_z	20.97	283.40	-288.86	0.00	0.00	0.28	CO16
			20.88	292.73	-299.84	0.00	0.00	0.23	CO18
Extremes			21.00	292.73	-288.86	0.00	0.00	0.28	
703			20.85	283.40	-299.84	0.00	0.00	0.23	
704	SLS DS4	P_x	20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
			20.03	223.97	-302.35	0.00	0.00	-0.09	CO18
		P_y	20.03	223.97	-302.35	0.00	0.00	-0.09	CO18
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
		P_z	20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
			20.03	223.97	-302.35	0.00	0.00	-0.09	CO18
		M_x	20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
		M_y	20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
			20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
		M_z	20.28	219.90	-290.63	0.00	0.00	-0.08	CO16
			20.03	223.97	-302.35	0.00	0.00	-0.09	CO18
Extremes			20.28	223.97	-290.63	0.00	0.00	-0.08	
704			20.03	219.90	-302.35	0.00	0.00	-0.09	
705	SLS DS4	P_x	30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
			30.13	-124.03	-297.50	0.00	0.00	1.91	CO18
		P_y	30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
			30.13	-124.03	-297.50	0.00	0.00	1.91	CO18
		P_z	30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
			30.13	-124.03	-297.50	0.00	0.00	1.91	CO18
		M_x	30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
		M_y	30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
		M_z	30.13	-124.03	-297.50	0.00	0.00	1.91	CO18
			30.32	-106.34	-284.83	0.00	0.00	1.84	CO16
Extremes			30.32	-106.34	-284.83	0.00	0.00	1.91	
705			30.13	-124.03	-297.50	0.00	0.00	1.84	
706	SLS DS4	P_x	34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
			34.28	-80.34	-290.84	0.00	0.00	0.28	CO18
		P_y	34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
			34.28	-80.34	-290.84	0.00	0.00	0.28	CO18
		P_z	34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
			34.28	-80.34	-290.84	0.00	0.00	0.28	CO18
		M_x	34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
		M_y	34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
		M_z	34.28	-80.34	-290.84	0.00	0.00	0.28	CO18
			34.29	-67.14	-277.86	0.00	0.00	0.27	CO16
Extremes			34.29	-67.14	-277.86	0.00	0.00	0.28	
706			34.28	-80.34	-290.84	0.00	0.00	0.27	
709	SLS DS4	P_x	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16
			25.96	-24.00	-283.29	0.00	0.00	-1.91	CO18
		P_y	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16
			25.96	-24.00	-283.29	0.00	0.00	-1.91	CO18
		P_z	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16
			25.96	-24.00	-283.29	0.00	0.00	-1.91	CO18
		M_x	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16
		M_y	26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16
		M_z	25.96	-24.00	-283.29	0.00	0.00	-1.91	CO18
			26.00	-18.90	-269.98	0.00	0.00	-1.92	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
Extremes			26.00	-18.90	-269.98	0.00	0.00	-1.91	
709			25.96	-24.00	-283.29	0.00	0.00	-1.92	
710	SLS DS4	P_x	99.79	30.63	-260.61	0.00	0.00	2.34	CO16
			94.12	30.66	-273.96	0.00	0.00	2.35	CO18
		P_y	95.86	30.66	-270.69	0.00	0.00	2.35	CO17
			97.95	30.63	-263.95	0.00	0.00	2.34	CO19
		P_z	99.79	30.63	-260.61	0.00	0.00	2.34	CO16
			94.12	30.66	-273.96	0.00	0.00	2.35	CO18
		M_x	99.79	30.63	-260.61	0.00	0.00	2.34	CO16
			99.79	30.63	-260.61	0.00	0.00	2.34	CO16
		M_y	99.79	30.63	-260.61	0.00	0.00	2.34	CO16
			99.79	30.63	-260.61	0.00	0.00	2.34	CO16
		M_z	95.86	30.66	-270.69	0.00	0.00	2.35	CO17
			97.95	30.63	-263.95	0.00	0.00	2.34	CO19
Extremes			99.79	30.66	-260.61	0.00	0.00	2.35	
710			94.12	30.63	-273.96	0.00	0.00	2.34	
711	SLS DS4	P_x	145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
			140.93	31.28	-272.05	0.00	0.00	-2.18	CO18
		P_y	140.93	31.28	-272.05	0.00	0.00	-2.18	CO18
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
		P_z	145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
			140.93	31.28	-272.05	0.00	0.00	-2.18	CO18
		M_x	145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
		M_y	145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
		M_z	140.93	31.28	-272.05	0.00	0.00	-2.18	CO18
			145.28	31.17	-258.99	0.00	0.00	-2.19	CO16
Extremes			145.28	31.28	-258.99	0.00	0.00	-2.18	
711			140.93	31.17	-272.05	0.00	0.00	-2.19	
717	SLS DS4	P_x	167.38	25.42	-181.76	0.00	0.00	0.01	CO19
			161.65	25.24	-183.00	0.00	0.00	0.01	CO17
		P_y	166.75	25.52	-186.53	0.00	0.00	0.01	CO18
			162.21	25.14	-178.16	0.00	0.00	0.01	CO16
		P_z	162.21	25.14	-178.16	0.00	0.00	0.01	CO16
			166.75	25.52	-186.53	0.00	0.00	0.01	CO18
		M_x	162.21	25.14	-178.16	0.00	0.00	0.01	CO16
			162.21	25.14	-178.16	0.00	0.00	0.01	CO16
		M_y	162.21	25.14	-178.16	0.00	0.00	0.01	CO16
			162.21	25.14	-178.16	0.00	0.00	0.01	CO16
		M_z	167.38	25.42	-181.76	0.00	0.00	0.01	CO19
			161.65	25.24	-183.00	0.00	0.00	0.01	CO17
Extremes			167.38	25.52	-178.16	0.00	0.00	0.01	
717			161.65	25.14	-186.53	0.00	0.00	0.01	
718	SLS DS4	P_x	173.03	25.44	-196.42	0.00	0.00	0.17	CO18
			169.93	25.13	-187.23	0.00	0.00	0.15	CO16
		P_y	173.03	25.44	-196.42	0.00	0.00	0.17	CO18
			169.93	25.13	-187.23	0.00	0.00	0.15	CO16
		P_z	169.93	25.13	-187.23	0.00	0.00	0.15	CO16
			173.03	25.44	-196.42	0.00	0.00	0.17	CO18
		M_x	169.93	25.13	-187.23	0.00	0.00	0.15	CO16
			169.93	25.13	-187.23	0.00	0.00	0.15	CO16
		M_y	169.93	25.13	-187.23	0.00	0.00	0.15	CO16
			169.93	25.13	-187.23	0.00	0.00	0.15	CO16
		M_z	173.03	25.44	-196.42	0.00	0.00	0.17	CO18
			169.93	25.13	-187.23	0.00	0.00	0.15	CO16
Extremes			173.03	25.44	-187.23	0.00	0.00	0.17	
718			169.93	25.13	-196.42	0.00	0.00	0.15	
719	SLS DS4	P_x	204.49	23.91	-204.01	0.00	0.00	0.19	CO17
			202.13	23.80	-197.69	0.00	0.00	0.20	CO16
		P_y	204.20	24.14	-207.77	0.00	0.00	0.18	CO18
			202.13	23.80	-197.69	0.00	0.00	0.20	CO16
		P_z	202.13	23.80	-197.69	0.00	0.00	0.20	CO16
			204.20	24.14	-207.77	0.00	0.00	0.18	CO18
		M_x	202.13	23.80	-197.69	0.00	0.00	0.20	CO16
			202.13	23.80	-197.69	0.00	0.00	0.20	CO16
		M_y	202.13	23.80	-197.69	0.00	0.00	0.20	CO16
			202.13	23.80	-197.69	0.00	0.00	0.20	CO16
		M_z	202.13	23.80	-197.69	0.00	0.00	0.20	CO16
			204.20	24.14	-207.77	0.00	0.00	0.18	CO18
Extremes			204.49	24.14	-197.69	0.00	0.00	0.20	
719			202.13	23.80	-207.77	0.00	0.00	0.18	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
720	SLS DS4	P_x	254.15	22.73	-217.05	0.00	0.00	0.19	CO17
			245.74	22.90	-213.63	0.00	0.00	0.18	CO19
		P_y	251.66	23.03	-220.83	0.00	0.00	0.18	CO18
			247.82	22.60	-209.74	0.00	0.00	0.18	CO16
		P_z	247.82	22.60	-209.74	0.00	0.00	0.18	CO16
			251.66	23.03	-220.83	0.00	0.00	0.18	CO18
		M_x	247.82	22.60	-209.74	0.00	0.00	0.18	CO16
			247.82	22.60	-209.74	0.00	0.00	0.18	CO16
		M_y	247.82	22.60	-209.74	0.00	0.00	0.18	CO16
			247.82	22.60	-209.74	0.00	0.00	0.18	CO16
		M_z	254.15	22.73	-217.05	0.00	0.00	0.19	CO17
			245.74	22.90	-213.63	0.00	0.00	0.18	CO19
Extremes			254.15	23.03	-209.74	0.00	0.00	0.19	
720			245.74	22.60	-220.83	0.00	0.00	0.18	
721	SLS DS4	P_x	252.37	31.63	-231.39	0.00	0.00	-0.58	CO17
			233.54	31.78	-226.61	0.00	0.00	-0.56	CO19
		P_y	247.80	31.79	-235.11	0.00	0.00	-0.53	CO18
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO16
		P_z	238.59	31.62	-222.78	0.00	0.00	-0.61	CO16
			247.80	31.79	-235.11	0.00	0.00	-0.53	CO18
		M_x	238.59	31.62	-222.78	0.00	0.00	-0.61	CO16
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO16
		M_y	238.59	31.62	-222.78	0.00	0.00	-0.61	CO16
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO16
		M_z	247.80	31.79	-235.11	0.00	0.00	-0.53	CO18
			238.59	31.62	-222.78	0.00	0.00	-0.61	CO16
Extremes			252.37	31.79	-222.78	0.00	0.00	-0.53	
721			233.54	31.62	-235.11	0.00	0.00	-0.61	
747	SLS DS4	P_x	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO16
			-275.02	-4.93	-299.90	2.59	4.50	-0.97	CO18
		P_y	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO16
			-275.02	-4.93	-299.90	2.59	4.50	-0.97	CO18
		P_z	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO16
			-275.02	-4.93	-299.90	2.59	4.50	-0.97	CO18
		M_x	-275.02	-4.93	-299.90	2.59	4.50	-0.97	CO18
			-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO16
		M_y	-258.80	-4.63	-289.99	2.24	4.51	-0.90	CO19
			-271.18	-4.84	-297.38	2.43	3.67	-0.94	CO17
		M_z	-254.89	-4.54	-287.45	2.08	3.68	-0.88	CO16
			-275.02	-4.93	-299.90	2.59	4.50	-0.97	CO18
Extremes			-254.89	-4.54	-287.45	2.59	4.51	-0.88	
747			-275.02	-4.93	-299.90	2.08	3.67	-0.97	
749	SLS DS4	P_x	0.47	155.68	-247.27	0.00	0.00	-0.15	CO17
			0.41	151.90	-244.90	0.00	0.00	-0.11	CO19
		P_y	0.47	157.64	-250.02	0.00	0.00	-0.15	CO18
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO16
		P_z	0.41	149.97	-242.16	0.00	0.00	-0.11	CO16
			0.47	157.64	-250.02	0.00	0.00	-0.15	CO18
		M_x	0.41	149.97	-242.16	0.00	0.00	-0.11	CO16
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO16
		M_y	0.41	149.97	-242.16	0.00	0.00	-0.11	CO16
			0.41	149.97	-242.16	0.00	0.00	-0.11	CO16
		M_z	0.41	151.90	-244.90	0.00	0.00	-0.11	CO19
			0.47	155.68	-247.27	0.00	0.00	-0.15	CO17
Extremes			0.47	157.64	-242.16	0.00	0.00	-0.11	
749			0.41	149.97	-250.02	0.00	0.00	-0.15	
750	SLS DS4	P_x	0.39	52.20	-261.47	0.00	0.00	-0.44	CO17
			0.34	53.53	-257.85	0.00	0.00	-0.40	CO19
		P_y	0.39	54.51	-264.19	0.00	0.00	-0.44	CO18
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO16
		P_z	0.34	51.21	-255.12	0.00	0.00	-0.40	CO16
			0.39	54.51	-264.19	0.00	0.00	-0.44	CO18
		M_x	0.34	51.21	-255.12	0.00	0.00	-0.40	CO16
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO16
		M_y	0.34	51.21	-255.12	0.00	0.00	-0.40	CO16
			0.34	51.21	-255.12	0.00	0.00	-0.40	CO16
		M_z	0.34	53.53	-257.85	0.00	0.00	-0.40	CO19
			0.39	52.20	-261.47	0.00	0.00	-0.44	CO17
Extremes			0.39	54.51	-255.12	0.00	0.00	-0.40	
750			0.34	51.21	-264.19	0.00	0.00	-0.44	
751	SLS DS4	P_x	25.63	1.13	-222.15	0.00	0.00	0.61	CO18
			19.67	1.15	-215.43	0.00	0.00	0.59	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
751		P_y	22.98	1.16	-219.57	0.00	0.00	0.61	CO17
			22.31	1.12	-218.00	0.00	0.00	0.60	CO19
		P_z	19.67	1.15	-215.43	0.00	0.00	0.59	CO16
			25.63	1.13	-222.15	0.00	0.00	0.61	CO18
		M_x	19.67	1.15	-215.43	0.00	0.00	0.59	CO16
			19.67	1.15	-215.43	0.00	0.00	0.59	CO16
		M_y	19.67	1.15	-215.43	0.00	0.00	0.59	CO16
			19.67	1.15	-215.43	0.00	0.00	0.59	CO16
		M_z	25.63	1.13	-222.15	0.00	0.00	0.61	CO18
			19.67	1.15	-215.43	0.00	0.00	0.59	CO16
Extremes			25.63	1.16	-215.43	0.00	0.00	0.61	
751			19.67	1.12	-222.15	0.00	0.00	0.59	
752	SLS DS4	P_x	40.45	0.55	-235.07	0.00	0.00	-0.06	CO18
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO16
		P_y	38.70	0.56	-231.88	0.00	0.00	-0.06	CO17
			38.02	0.54	-229.82	0.00	0.00	-0.06	CO19
		P_z	36.29	0.56	-226.63	0.00	0.00	-0.05	CO16
			40.45	0.55	-235.07	0.00	0.00	-0.06	CO18
		M_x	36.29	0.56	-226.63	0.00	0.00	-0.05	CO16
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO16
		M_y	36.29	0.56	-226.63	0.00	0.00	-0.05	CO16
			36.29	0.56	-226.63	0.00	0.00	-0.05	CO16
		M_z	36.29	0.56	-226.63	0.00	0.00	-0.05	CO16
			40.45	0.55	-235.07	0.00	0.00	-0.06	CO18
Extremes			40.45	0.56	-226.63	0.00	0.00	-0.05	
752			36.29	0.54	-235.07	0.00	0.00	-0.06	
753	SLS DS4	P_x	36.12	-0.16	-258.48	0.00	0.00	0.21	CO17
			33.59	-0.15	-254.55	0.00	0.00	0.21	CO19
		P_y	33.64	-0.15	-251.15	0.00	0.00	0.22	CO16
			36.09	-0.17	-261.86	0.00	0.00	0.21	CO18
		P_z	33.64	-0.15	-251.15	0.00	0.00	0.22	CO16
			36.09	-0.17	-261.86	0.00	0.00	0.21	CO18
		M_x	33.64	-0.15	-251.15	0.00	0.00	0.22	CO16
			33.64	-0.15	-251.15	0.00	0.00	0.22	CO16
		M_y	33.64	-0.15	-251.15	0.00	0.00	0.22	CO16
			33.64	-0.15	-251.15	0.00	0.00	0.22	CO16
		M_z	33.64	-0.15	-251.15	0.00	0.00	0.22	CO16
			36.09	-0.17	-261.86	0.00	0.00	0.21	CO18
Extremes			36.12	-0.15	-251.15	0.00	0.00	0.22	
753			33.59	-0.17	-261.86	0.00	0.00	0.21	
754	SLS DS4	P_x	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
			1.88	-0.40	-271.51	0.00	0.00	-0.06	CO18
		P_y	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
			1.88	-0.40	-271.51	0.00	0.00	-0.06	CO18
		P_z	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
			1.88	-0.40	-271.51	0.00	0.00	-0.06	CO18
		M_x	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
		M_y	3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
		M_z	1.88	-0.40	-271.51	0.00	0.00	-0.06	CO18
			3.29	-0.39	-260.12	0.00	0.00	-0.06	CO16
Extremes			3.29	-0.39	-260.12	0.00	0.00	-0.06	
754			1.88	-0.40	-271.51	0.00	0.00	-0.06	
772	SLS DS4	P_x	29.02	60.13	-212.31	-289.43	2.03	1.48	CO18
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO16
		P_y	23.60	61.11	-207.46	-294.33	-2.40	1.48	CO16
			29.02	60.13	-212.31	-289.43	2.03	1.48	CO18
		P_z	23.60	61.11	-207.46	-294.33	-2.40	1.48	CO16
			29.02	60.13	-212.31	-289.43	2.03	1.48	CO18
		M_x	29.02	60.13	-212.31	-289.43	2.03	1.48	CO18
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO16
		M_y	29.02	60.13	-212.31	-289.43	2.03	1.48	CO18
			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO16
		M_z	23.99	60.42	-207.55	-290.84	-1.49	1.48	CO19
			28.65	60.80	-212.19	-292.85	1.14	1.47	CO17
Extremes			29.02	61.11	-207.46	-289.43	2.03	1.48	
772			23.60	60.13	-212.31	-294.33	-2.40	1.47	
779	SLS DS4	P_x	28.77	154.97	-261.74	0.00	0.00	-0.84	CO18
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO16
		P_y	28.77	154.97	-261.74	0.00	0.00	-0.84	CO18
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO16

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
779		P_z	26.89	141.24	-253.40	0.00	0.00	-1.03	CO16
			28.77	154.97	-261.74	0.00	0.00	-0.84	CO18
		M_x	26.89	141.24	-253.40	0.00	0.00	-1.03	CO16
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO16
		M_y	26.89	141.24	-253.40	0.00	0.00	-1.03	CO16
			26.89	141.24	-253.40	0.00	0.00	-1.03	CO16
		M_z	28.61	153.81	-260.36	0.00	0.00	-0.79	CO17
			27.04	142.41	-254.78	0.00	0.00	-1.07	CO19
Extremes			28.77	154.97	-253.40	0.00	0.00	-0.79	
779			26.89	141.24	-261.74	0.00	0.00	-1.07	
783	SLS DS4	P_x	60.60	0.20	-228.04	0.00	0.00	0.31	CO18
			58.34	0.22	-219.21	0.00	0.00	0.29	CO16
		P_y	59.37	0.22	-220.93	0.00	0.00	0.29	CO19
			59.57	0.20	-226.33	0.00	0.00	0.31	CO17
		P_z	58.34	0.22	-219.21	0.00	0.00	0.29	CO16
			60.60	0.20	-228.04	0.00	0.00	0.31	CO18
		M_x	58.34	0.22	-219.21	0.00	0.00	0.29	CO16
			58.34	0.22	-219.21	0.00	0.00	0.29	CO16
		M_y	58.34	0.22	-219.21	0.00	0.00	0.29	CO16
			58.34	0.22	-219.21	0.00	0.00	0.29	CO16
		M_z	60.60	0.20	-228.04	0.00	0.00	0.31	CO18
			58.34	0.22	-219.21	0.00	0.00	0.29	CO16
Extremes			60.60	0.22	-219.21	0.00	0.00	0.31	
783			58.34	0.20	-228.04	0.00	0.00	0.29	
785	SLS DS4	P_x	-31.19	226.06	-254.17	0.00	0.00	-8.82	CO19
			-33.38	233.37	-260.39	0.00	0.00	-9.35	CO17
		P_y	-32.77	235.91	-262.29	0.00	0.00	-9.35	CO18
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO16
		P_z	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO16
			-32.77	235.91	-262.29	0.00	0.00	-9.35	CO18
		M_x	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO16
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO16
		M_y	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO16
			-31.80	223.55	-252.27	0.00	0.00	-8.82	CO16
		M_z	-31.80	223.55	-252.27	0.00	0.00	-8.82	CO16
			-32.77	235.91	-262.29	0.00	0.00	-9.35	CO18
Extremes			-31.19	235.91	-252.27	0.00	0.00	-8.82	
785			-33.38	223.55	-262.29	0.00	0.00	-9.35	
	Total max/min values with corresponding values								
60	SLS DS4	P_x	278.76	105.49	-224.36	-157.05	-7.54	-1.57	CO17
747			-275.02	-4.93	-299.90	2.59	4.50	-0.97	CO18
71		P_y	-0.55	294.41	-226.66	-83.72	22.55	-15.69	CO17
705			30.13	-124.03	-297.50	0.00	0.00	1.91	CO18
343		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	CO16
468			0.03	-3.59	-328.15	-3.64	-1.41	-0.43	CO18
20		M_x	-83.38	-5.26	-275.06	127.12	-77.48	7.60	CO18
772			23.60	61.11	-207.46	-294.33	-2.40	1.48	CO16
422		M_y	30.02	145.74	-235.29	-30.05	53.54	0.39	CO18
417			66.00	136.31	-180.59	-81.41	-84.39	0.83	CO17
322		M_z	-43.69	238.28	-257.71	0.00	0.00	16.59	CO18
71			1.19	291.50	-229.10	-82.59	22.30	-15.75	CO18
20	ULS CO1		-105.78	-5.81	-355.79	162.06	-99.72	9.71	
25	ULS CO1		-217.66	6.32	-363.19	-23.48	-48.85	-0.29	
32	ULS CO1		4.94	-0.11	-357.26	-14.47	-37.08	-0.43	
39	ULS CO1		74.85	55.93	-339.15	-88.04	-52.78	0.57	
45	ULS CO1		13.10	12.97	-323.77	-36.18	-38.44	1.15	
51	ULS CO1		223.98	120.72	-246.99	-158.73	-10.29	-0.89	
54	ULS CO1		249.67	126.19	-260.09	-173.92	-13.13	-0.86	
57	ULS CO1		314.93	131.26	-275.35	-190.57	-11.82	-1.18	
60	ULS CO1		368.33	142.12	-292.23	-212.38	-5.93	-2.09	
71	ULS CO1		-3.04	389.52	-300.79	-113.15	31.87	-20.70	
72	ULS CO1		49.58	11.87	-310.23	-36.37	-31.53	0.00	
74	ULS CO1		92.29	79.11	-322.80	0.00	0.00	-0.61	
99	ULS CO1		28.74	-39.35	-341.45	0.00	0.00	-3.07	
100	ULS CO1		122.71	16.52	-339.46	0.00	0.00	-7.92	
101	ULS CO1		171.98	116.60	-316.21	0.00	0.00	-3.67	
135	ULS CO1		208.44	374.18	-384.59	0.00	0.00	-0.26	
138	ULS CO1		321.18	22.31	-354.85	0.00	0.00	0.41	
139	ULS CO1		95.04	217.46	-351.54	0.00	0.00	-1.79	
286	ULS CO1		-3.38	129.82	-344.50	-78.49	-5.92	-0.48	
322	ULS CO1		-60.59	304.51	-333.63	0.00	0.00	21.07	
340	ULS CO1		-111.01	18.37	-255.28	-31.87	6.35	3.98	
341	ULS CO1		123.28	5.86	-246.33	-28.30	-11.33	-3.65	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
342	ULS CO1		-103.71	19.89	-235.92	-29.23	9.28	2.84	
343	ULS CO1		98.89	-2.09	-229.85	-23.11	-13.01	-2.54	
365	ULS CO1		-197.32	56.85	-391.75	0.00	0.00	0.32	
370	ULS CO1		192.16	-80.87	-347.27	-179.55	1.24	-5.44	
372	ULS CO1		-2.75	227.79	-373.03	-117.52	-7.50	0.56	
377	ULS CO1		-4.06	-8.88	-386.57	-100.46	-13.13	2.25	
415	ULS CO1		0.35	268.97	-264.73	-151.84	-107.52	-5.14	
417	ULS CO1		91.53	189.75	-238.28	-110.79	-113.44	1.04	
419	ULS CO1		-97.34	306.63	-260.10	-112.48	-82.48	-0.46	
422	ULS CO1		38.68	187.55	-309.47	-41.24	69.63	0.53	
424	ULS CO1		-97.87	359.96	-280.97	-113.55	-60.22	1.98	
443	ULS CO1		118.85	306.83	-229.93	-313.62	-14.51	14.43	
445	ULS CO1		177.96	-142.76	-310.56	-258.26	-7.05	8.23	
465	ULS CO1		-9.06	3.97	-401.41	-20.17	-14.97	-0.54	
468	ULS CO1		0.12	-3.39	-424.27	-7.47	-1.56	-0.55	
542	ULS CO1		-24.14	-137.27	-353.47	0.00	0.00	0.99	
547	ULS CO1		24.78	95.09	-258.77	0.00	0.00	0.07	
548	ULS CO1		-193.60	-74.15	-290.57	0.00	0.00	7.90	
589	ULS CO1		-1.04	-5.56	-258.60	19.76	-6.30	-1.06	
593	ULS CO1		220.59	104.99	-235.28	-150.00	-7.43	-3.40	
607	ULS CO1		-0.40	-4.94	-274.20	15.51	-4.23	-1.11	
687	ULS CO1		-53.09	34.37	-274.72	0.00	0.00	-0.50	
688	ULS CO1		-37.87	-42.84	-267.21	0.00	0.00	5.08	
689	ULS CO1		-1.63	-56.40	-276.68	0.00	0.00	0.87	
690	ULS CO1		19.49	-56.60	-286.69	0.00	0.00	-0.49	
691	ULS CO1		89.89	-41.33	-296.93	0.00	0.00	-4.83	
692	ULS CO1		134.64	-14.85	-321.04	0.00	0.00	2.59	
693	ULS CO1		14.22	11.15	-334.63	0.00	0.00	-1.20	
694	ULS CO1		-17.00	-49.90	-334.69	0.00	0.00	-2.84	
695	ULS CO1		7.88	-43.41	-335.18	0.00	0.00	-0.18	
696	ULS CO1		5.57	-44.54	-335.77	0.00	0.00	-0.32	
697	ULS CO1		-23.02	-44.52	-336.54	0.00	0.00	-0.25	
698	ULS CO1		-53.06	-39.54	-337.47	0.00	0.00	-0.61	
699	ULS CO1		-48.54	-43.26	-338.65	0.00	0.00	3.51	
700	ULS CO1		151.07	-39.79	-345.57	0.00	0.00	4.59	
703	ULS CO1		28.31	382.59	-389.96	0.00	0.00	0.37	
704	ULS CO1		27.38	296.87	-392.35	0.00	0.00	-0.10	
705	ULS CO1		40.94	-143.56	-384.51	0.00	0.00	2.49	
706	ULS CO1		46.29	-90.64	-375.11	0.00	0.00	0.36	
709	ULS CO1		35.10	-25.51	-364.47	0.00	0.00	-2.59	
710	ULS CO1		134.71	41.35	-351.82	0.00	0.00	3.16	
711	ULS CO1		196.12	42.08	-349.63	0.00	0.00	-2.96	
717	ULS CO1		218.99	33.93	-240.52	0.00	0.00	0.01	
718	ULS CO1		229.40	33.93	-252.76	0.00	0.00	0.21	
719	ULS CO1		272.87	32.13	-266.88	0.00	0.00	0.27	
720	ULS CO1		334.55	30.52	-283.15	0.00	0.00	0.25	
721	ULS CO1		322.09	42.68	-300.76	0.00	0.00	-0.82	
747	ULS CO1		-344.10	-6.13	-388.06	2.80	4.96	-1.18	
749	ULS CO1		0.56	202.46	-326.91	0.00	0.00	-0.15	
750	ULS CO1		0.46	69.14	-344.42	0.00	0.00	-0.55	
751	ULS CO1		26.56	1.55	-290.83	0.00	0.00	0.80	
752	ULS CO1		49.00	0.76	-305.95	0.00	0.00	-0.07	
753	ULS CO1		45.42	-0.20	-339.06	0.00	0.00	0.30	
754	ULS CO1		4.45	-0.53	-351.16	0.00	0.00	-0.08	
772	ULS CO1		31.86	82.50	-280.07	-397.34	-3.25	1.99	
779	ULS CO1		36.30	190.68	-342.10	0.00	0.00	-1.38	
783	ULS CO1		78.75	0.30	-295.93	0.00	0.00	0.39	
785	ULS CO1		-42.93	301.79	-340.56	0.00	0.00	-11.90	
	Total max/min values with corresponding values								
60	ULS CO1	P_x	368.33	142.12	-292.23	-212.38	-5.93	-2.09	
747			-344.10	-6.13	-388.06	2.80	4.96	-1.18	
71		P_y	-3.04	389.52	-300.79	-113.15	31.87	-20.70	
705			40.94	-143.56	-384.51	0.00	0.00	2.49	
343		P_z	98.89	-2.09	-229.85	-23.11	-13.01	-2.54	
468			0.12	-3.39	-424.27	-7.47	-1.56	-0.55	
20		M_x	-105.78	-5.81	-355.79	162.06	-99.72	9.71	
772			31.86	82.50	-280.07	-397.34	-3.25	1.99	
422		M_y	38.68	187.55	-309.47	-41.24	69.63	0.53	
417			91.53	189.75	-238.28	-110.79	-113.44	1.04	
322		M_z	-60.59	304.51	-333.63	0.00	0.00	21.07	
71			-3.04	389.52	-300.79	-113.15	31.87	-20.70	

	Sum of loads and sum of support forces				
	ULS CO1	P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ		4208.70	5667.40	-60185.30	Loads
Σ		4155.79	4951.96	-25349.20	Support Forces

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
20	ULS CO2		-118.18	-5.92	-394.68	181.25	-114.42	10.06	
25	ULS CO2		-253.15	5.72	-400.83	-21.77	-63.19	-0.15	
32	ULS CO2		3.31	-0.78	-392.21	-12.56	-50.02	-0.50	
39	ULS CO2		87.11	51.25	-369.22	-77.62	-71.21	0.54	
45	ULS CO2		12.51	13.27	-349.43	-35.30	-50.70	1.27	
51	ULS CO2		201.65	122.13	-269.06	-158.96	-22.40	-0.76	
54	ULS CO2		231.20	125.61	-285.30	-171.10	-26.71	-0.81	
57	ULS CO2		307.56	132.01	-304.43	-188.91	-26.61	-1.19	
60	ULS CO2		393.27	143.06	-326.05	-211.28	-19.73	-2.17	
71	ULS CO2		4.44	415.20	-317.51	-113.05	27.36	-22.27	
72	ULS CO2		54.84	11.35	-331.80	-35.06	-45.15	0.12	
74	ULS CO2		108.01	91.85	-349.45	0.00	0.00	-0.64	
99	ULS CO2		36.31	-38.64	-370.28	0.00	0.00	-3.37	
100	ULS CO2		142.36	16.75	-375.94	0.00	0.00	-8.99	
101	ULS CO2		201.63	125.62	-349.61	0.00	0.00	-3.14	
135	ULS CO2		221.85	411.15	-421.84	0.00	0.00	-0.30	
138	ULS CO2		350.01	36.85	-389.29	0.00	0.00	0.40	
139	ULS CO2		110.44	264.12	-383.17	0.00	0.00	-1.76	
286	ULS CO2		-4.02	125.73	-373.55	-59.41	-7.67	-0.62	
322	ULS CO2		-50.70	336.99	-369.98	0.00	0.00	24.19	
340	ULS CO2		-124.51	17.68	-270.67	-30.86	6.70	3.84	
341	ULS CO2		123.97	5.47	-261.30	-27.38	-12.06	-3.51	
342	ULS CO2		-118.77	19.48	-254.12	-28.08	9.87	2.69	
343	ULS CO2		99.39	-3.02	-247.40	-21.81	-14.13	-2.39	
365	ULS CO2		-246.07	25.91	-434.73	0.00	0.00	0.05	
370	ULS CO2		174.98	-127.47	-387.89	-187.99	-10.99	-5.62	
372	ULS CO2		-3.50	207.45	-417.43	-119.17	-9.87	0.53	
377	ULS CO2		-4.96	-34.02	-430.38	-92.79	-15.77	2.63	
415	ULS CO2		-10.00	266.92	-282.15	-148.70	-108.67	-5.25	
417	ULS CO2		83.74	171.64	-255.76	-108.24	-115.04	1.29	
419	ULS CO2		-97.52	284.35	-277.52	-109.74	-83.30	-0.55	
422	ULS CO2		43.02	214.68	-325.72	-41.01	76.71	0.62	
424	ULS CO2		-99.44	355.94	-298.22	-111.95	-62.54	2.53	
443	ULS CO2		110.60	298.70	-248.01	-307.97	-24.12	13.99	
445	ULS CO2		191.53	-190.39	-350.82	-251.90	-19.79	8.22	
465	ULS CO2		-11.18	0.63	-446.51	-15.04	-18.86	-0.62	
468	ULS CO2		-0.10	-8.05	-472.55	-0.15	-2.73	-0.62	
542	ULS CO2		-40.71	-152.36	-398.36	0.00	0.00	1.03	
547	ULS CO2		19.13	101.50	-264.12	0.00	0.00	0.07	
548	ULS CO2		-213.05	-73.83	-304.43	0.00	0.00	8.78	
589	ULS CO2		-1.49	-6.22	-264.42	22.89	-8.23	-1.17	
593	ULS CO2		203.82	107.13	-254.68	-151.65	-17.94	-3.46	
607	ULS CO2		-0.04	-5.55	-285.94	18.27	-3.59	-1.22	
687	ULS CO2		-56.04	45.19	-284.31	0.00	0.00	-0.44	
688	ULS CO2		-46.85	-43.54	-274.08	0.00	0.00	4.96	
689	ULS CO2		-3.19	-56.51	-285.30	0.00	0.00	0.78	
690	ULS CO2		25.22	-56.64	-297.21	0.00	0.00	-0.53	
691	ULS CO2		107.50	-41.19	-309.47	0.00	0.00	-4.90	
692	ULS CO2		169.82	-14.15	-338.63	0.00	0.00	3.05	
693	ULS CO2		21.43	16.10	-356.20	0.00	0.00	-1.43	
694	ULS CO2		-11.31	-50.72	-357.35	0.00	0.00	-3.22	
695	ULS CO2		12.34	-43.42	-358.96	0.00	0.00	-0.19	
696	ULS CO2		2.73	-44.76	-360.60	0.00	0.00	-0.33	
697	ULS CO2		-34.61	-44.93	-362.32	0.00	0.00	-0.27	
698	ULS CO2		-71.65	-39.83	-364.14	0.00	0.00	-0.70	
699	ULS CO2		-62.06	-43.14	-366.22	0.00	0.00	3.53	
700	ULS CO2		165.34	-39.73	-375.64	0.00	0.00	4.85	
703	ULS CO2		27.80	418.17	-429.59	0.00	0.00	0.23	
704	ULS CO2		26.42	310.47	-433.94	0.00	0.00	-0.15	
705	ULS CO2		40.23	-204.95	-428.08	0.00	0.00	2.75	
706	ULS CO2		46.26	-136.17	-419.05	0.00	0.00	0.39	
709	ULS CO2		34.95	-43.62	-408.83	0.00	0.00	-2.56	
710	ULS CO2		117.96	41.46	-395.25	0.00	0.00	3.20	
711	ULS CO2		186.13	42.39	-391.63	0.00	0.00	-2.96	
717	ULS CO2		216.67	34.36	-261.17	0.00	0.00	0.01	
718	ULS CO2		230.46	34.31	-276.28	0.00	0.00	0.21	
719	ULS CO2		282.17	32.61	-293.87	0.00	0.00	0.24	
720	ULS CO2		360.63	31.05	-314.42	0.00	0.00	0.26	
721	ULS CO2		383.54	42.72	-337.67	0.00	0.00	-0.69	
747	ULS CO2		-414.58	-7.42	-431.03	4.34	4.92	-1.47	
749	ULS CO2		0.79	227.29	-349.08	0.00	0.00	-0.33	
750	ULS CO2		0.67	73.41	-371.93	0.00	0.00	-0.71	
751	ULS CO2		40.95	1.61	-308.80	0.00	0.00	0.85	
752	ULS CO2		59.41	0.78	-328.72	0.00	0.00	-0.10	
753	ULS CO2		56.20	-0.26	-370.77	0.00	0.00	0.27	
754	ULS CO2		3.90	-0.57	-386.58	0.00	0.00	-0.08	
772	ULS CO2		53.67	81.24	-300.66	-391.28	11.95	1.97	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
779	ULS CO2		43.79	245.21	-372.24	0.00	0.00	-0.39	
783	ULS CO2		84.09	0.21	-326.79	0.00	0.00	0.50	
785	ULS CO2		-49.79	344.51	-375.75	0.00	0.00	-14.19	
	Total max/min values with corresponding values								
60	ULS CO2	P_x	393.27	143.06	-326.05	-211.28	-19.73	-2.17	
747			-414.58	-7.42	-431.03	4.34	4.92	-1.47	
703		P_y	27.80	418.17	-429.59	0.00	0.00	0.23	
705			40.23	-204.95	-428.08	0.00	0.00	2.75	
343		P_z	99.39	-3.02	-247.40	-21.81	-14.13	-2.39	
468			-0.10	-8.05	-472.55	-0.15	-2.73	-0.62	
20		M_x	-118.18	-5.92	-394.68	181.25	-114.42	10.06	
772			53.67	81.24	-300.66	-391.28	11.95	1.97	
422		M_y	43.02	214.68	-325.72	-41.01	76.71	0.62	
417			83.74	171.64	-255.76	-108.24	-115.04	1.29	
322		M_z	-50.70	336.99	-369.98	0.00	0.00	24.19	
71			4.44	415.20	-317.51	-113.05	27.36	-22.27	
	Sum of loads and sum of support forces								
	ULS CO2		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			4208.70	5667.40	-63303.30	Loads			
Σ			4170.29	4971.42	-27559.40	Support Forces			
20	ULS CO3		-128.18	-10.22	-406.26	193.26	-115.55	11.53	
25	ULS CO3		-266.73	5.35	-415.43	-20.23	-61.47	-0.02	
32	ULS CO3		0.75	-1.08	-408.05	-11.08	-48.19	-0.54	
39	ULS CO3		87.67	52.42	-384.84	-64.26	-71.44	0.47	
45	ULS CO3		14.12	12.99	-365.19	-33.55	-52.23	1.34	
51	ULS CO3		223.88	126.81	-285.20	-160.56	-22.12	-0.66	
54	ULS CO3		237.55	125.07	-302.10	-166.62	-27.43	-0.77	
57	ULS CO3		298.92	136.03	-321.53	-189.02	-28.20	-1.24	
60	ULS CO3		370.02	148.51	-343.14	-213.03	-22.22	-2.22	
71	ULS CO3		12.10	401.98	-328.44	-108.18	25.91	-22.53	
72	ULS CO3		62.75	9.14	-345.97	-31.03	-49.88	0.18	
74	ULS CO3		108.88	93.78	-364.77	0.00	0.00	-0.62	
99	ULS CO3		41.45	-38.96	-376.39	0.00	0.00	-3.30	
100	ULS CO3		138.58	17.70	-387.50	0.00	0.00	-8.86	
101	ULS CO3		203.13	129.66	-359.38	0.00	0.00	-3.60	
135	ULS CO3		225.99	417.75	-428.89	0.00	0.00	-0.28	
138	ULS CO3		355.80	36.87	-396.39	0.00	0.00	0.40	
139	ULS CO3		110.55	265.25	-389.15	0.00	0.00	-1.77	
286	ULS CO3		-3.88	130.37	-387.58	-36.97	-7.40	-0.66	
322	ULS CO3		-55.75	360.61	-379.94	0.00	0.00	25.38	
340	ULS CO3		-130.32	18.11	-275.27	-31.55	6.91	4.01	
341	ULS CO3		122.56	7.02	-266.09	-28.38	-12.18	-3.71	
342	ULS CO3		-121.05	18.89	-256.44	-27.11	10.05	2.60	
343	ULS CO3		99.19	-2.89	-249.85	-21.04	-14.18	-2.31	
365	ULS CO3		-256.45	20.31	-445.59	0.00	0.00	-0.01	
370	ULS CO3		170.62	-126.96	-403.17	-181.86	-11.09	-5.45	
372	ULS CO3		-3.68	199.18	-431.81	-112.37	-10.07	0.53	
377	ULS CO3		-5.22	-55.81	-443.45	-84.65	-15.81	2.78	
415	ULS CO3		-11.97	285.82	-294.48	-144.25	-104.18	-5.15	
417	ULS CO3		81.84	162.32	-269.14	-104.18	-110.91	1.62	
419	ULS CO3		-98.74	267.23	-289.99	-104.72	-83.13	-0.42	
422	ULS CO3		44.63	217.11	-336.15	-39.25	78.16	0.52	
424	ULS CO3		-101.49	328.84	-309.90	-106.27	-63.86	2.51	
443	ULS CO3		135.14	317.89	-262.59	-297.80	-23.59	13.09	
445	ULS CO3		176.65	-194.28	-367.58	-240.49	-21.16	7.99	
465	ULS CO3		-11.26	0.69	-458.16	-14.39	-18.91	-0.66	
468	ULS CO3		-0.13	-8.05	-484.98	0.72	-2.72	-0.67	
542	ULS CO3		-47.04	-156.40	-413.15	0.00	0.00	1.04	
547	ULS CO3		22.55	103.89	-271.29	0.00	0.00	0.06	
548	ULS CO3		-216.79	-76.13	-314.28	0.00	0.00	8.97	
589	ULS CO3		-1.11	-6.47	-282.24	24.14	-6.90	-1.14	
593	ULS CO3		237.97	111.71	-269.87	-153.12	-16.97	-3.66	
607	ULS CO3		-0.27	-5.86	-302.91	19.76	-4.20	-1.20	
687	ULS CO3		-56.57	47.70	-292.82	0.00	0.00	-0.45	
688	ULS CO3		-43.10	-43.57	-281.49	0.00	0.00	4.98	
689	ULS CO3		-0.79	-56.52	-292.96	0.00	0.00	0.80	
690	ULS CO3		25.79	-56.64	-305.12	0.00	0.00	-0.51	
691	ULS CO3		111.25	-41.36	-317.59	0.00	0.00	-4.82	
692	ULS CO3		165.14	-13.94	-347.03	0.00	0.00	3.40	
693	ULS CO3		12.47	19.91	-363.86	0.00	0.00	-1.65	
694	ULS CO3		-21.31	-51.11	-364.60	0.00	0.00	-3.44	
695	ULS CO3		6.99	-43.30	-365.84	0.00	0.00	-0.20	
696	ULS CO3		3.50	-44.73	-367.20	0.00	0.00	-0.34	
697	ULS CO3		-28.72	-44.96	-368.72	0.00	0.00	-0.27	
698	ULS CO3		-63.76	-39.86	-370.42	0.00	0.00	-0.72	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
699	ULS CO3		-55.26	-43.11	-372.42	0.00	0.00	3.52	
700	ULS CO3		168.46	-39.89	-381.70	0.00	0.00	4.81	
703	ULS CO3		27.92	423.61	-438.03	0.00	0.00	0.18	
704	ULS CO3		26.31	315.07	-443.67	0.00	0.00	-0.18	
705	ULS CO3		40.09	-220.84	-439.97	0.00	0.00	2.80	
706	ULS CO3		46.25	-148.52	-431.88	0.00	0.00	0.40	
709	ULS CO3		34.93	-48.14	-422.65	0.00	0.00	-2.56	
710	ULS CO3		109.82	41.46	-410.16	0.00	0.00	3.20	
711	ULS CO3		177.07	42.57	-406.70	0.00	0.00	-2.90	
717	ULS CO3		241.56	35.62	-276.82	0.00	0.00	0.02	
718	ULS CO3		244.57	35.27	-292.73	0.00	0.00	0.26	
719	ULS CO3		281.98	33.61	-310.80	0.00	0.00	0.17	
720	ULS CO3		350.06	32.37	-331.50	0.00	0.00	0.25	
721	ULS CO3		362.39	43.43	-354.55	0.00	0.00	-0.49	
747	ULS CO3		-432.55	-7.83	-442.54	5.04	8.58	-1.57	
749	ULS CO3		0.78	236.13	-361.56	0.00	0.00	-0.32	
750	ULS CO3		0.66	83.95	-384.31	0.00	0.00	-0.71	
751	ULS CO3		52.89	1.49	-320.40	0.00	0.00	0.86	
752	ULS CO3		67.09	0.70	-343.16	0.00	0.00	-0.13	
753	ULS CO3		55.77	-0.29	-386.16	0.00	0.00	0.25	
754	ULS CO3		-2.22	-0.58	-401.22	0.00	0.00	-0.08	
772	ULS CO3		55.29	78.29	-301.13	-376.23	15.50	2.00	
779	ULS CO3		44.50	250.67	-378.61	0.00	0.00	-0.58	
783	ULS CO3		88.74	0.23	-334.59	0.00	0.00	0.51	
785	ULS CO3		-47.08	356.23	-384.44	0.00	0.00	-14.21	
	Total max/min values with corresponding values								
60	ULS CO3	P_x	370.02	148.51	-343.14	-213.03	-22.22	-2.22	
747			-432.55	-7.83	-442.54	5.04	8.58	-1.57	
703		P_y	27.92	423.61	-438.03	0.00	0.00	0.18	
705			40.09	-220.84	-439.97	0.00	0.00	2.80	
343		P_z	99.19	-2.89	-249.85	-21.04	-14.18	-2.31	
468			-0.13	-8.05	-484.98	0.72	-2.72	-0.67	
20		M_x	-128.18	-10.22	-406.26	193.26	-115.55	11.53	
772			55.29	78.29	-301.13	-376.23	15.50	2.00	
422		M_y	44.63	217.11	-336.15	-39.25	78.16	0.52	
20			-128.18	-10.22	-406.26	193.26	-115.55	11.53	
322		M_z	-55.75	360.61	-379.94	0.00	0.00	25.38	
71			12.10	401.98	-328.44	-108.18	25.91	-22.53	

	Sum of loads and sum of support forces					
	ULS CO3	P_X [kN]	P_Y [kN]	P_Z [kN]		
Σ		4208.70	5667.40	-64307.40	Loads	
Σ		4174.10	4979.28	-28463.90	Support Forces	

20	ULS CO4		-119.89	-11.89	-372.31	179.24	-101.15	11.81	
25	ULS CO4		-236.14	5.77	-384.06	-21.20	-46.09	-0.10	
32	ULS CO4		1.67	-0.56	-379.92	-12.30	-34.33	-0.48	
39	ULS CO4		76.34	57.56	-361.52	-68.85	-52.81	0.47	
45	ULS CO4		15.91	12.56	-346.37	-33.63	-40.26	1.24	
51	ULS CO4		253.49	127.30	-270.64	-160.68	-9.89	-0.75	
54	ULS CO4		257.51	125.29	-284.58	-167.16	-13.99	-0.79	
57	ULS CO4		302.29	136.86	-300.17	-190.33	-13.82	-1.25	
60	ULS CO4		335.48	149.79	-316.95	-214.54	-9.17	-2.16	
71	ULS CO4		8.21	370.47	-316.60	-105.72	30.17	-21.05	
72	ULS CO4		61.35	8.69	-330.61	-30.54	-37.90	0.07	
74	ULS CO4		93.91	81.93	-344.75	0.00	0.00	-0.57	
99	ULS CO4		36.15	-39.81	-350.10	0.00	0.00	-2.97	
100	ULS CO4		117.24	17.86	-355.97	0.00	0.00	-7.74	
101	ULS CO4		174.15	122.27	-330.17	0.00	0.00	-4.33	
135	ULS CO4		214.29	383.44	-394.52	0.00	0.00	-0.24	
138	ULS CO4		329.37	22.32	-364.90	0.00	0.00	0.41	
139	ULS CO4		95.18	219.04	-359.96	0.00	0.00	-1.80	
286	ULS CO4		-3.16	136.39	-364.59	-46.28	-5.48	-0.53	
322	ULS CO4		-67.76	338.33	-347.84	0.00	0.00	22.79	
340	ULS CO4		-119.64	19.04	-261.94	-32.89	6.66	4.24	
341	ULS CO4		121.00	8.15	-253.26	-29.79	-11.51	-3.95	
342	ULS CO4		-107.02	19.05	-239.21	-27.80	9.54	2.71	
343	ULS CO4		98.54	-1.91	-233.35	-21.96	-13.08	-2.43	
365	ULS CO4		-211.93	48.53	-407.19	0.00	0.00	0.23	
370	ULS CO4		186.26	-80.23	-369.23	-170.40	1.31	-5.18	
372	ULS CO4		-3.00	215.72	-393.64	-107.49	-7.74	0.56	
377	ULS CO4		-4.41	-40.28	-405.26	-88.54	-13.12	2.47	
415	ULS CO4		-1.85	298.53	-282.95	-145.57	-101.09	-5.02	
417	ULS CO4		89.33	176.84	-257.99	-104.62	-107.56	1.50	
419	ULS CO4		-99.06	283.12	-278.37	-104.92	-82.17	-0.27	
422	ULS CO4		41.11	191.17	-324.50	-38.52	71.86	0.37	
424	ULS CO4		-100.77	321.57	-297.98	-105.00	-62.00	1.94	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
443	ULS CO4		154.22	335.78	-251.43	-298.96	-13.69	13.16	
445	ULS CO4		156.89	-148.59	-334.70	-241.38	-8.72	7.88	
465	ULS CO4		-9.14	4.02	-418.05	-19.17	-14.99	-0.59	
468	ULS CO4		0.10	-3.42	-442.05	-6.18	-1.49	-0.60	
542	ULS CO4		-33.15	-143.03	-374.64	0.00	0.00	1.00	
547	ULS CO4		29.68	98.42	-269.05	0.00	0.00	0.06	
548	ULS CO4		-198.99	-77.40	-304.71	0.00	0.00	8.16	
589	ULS CO4		-0.51	-5.92	-284.08	21.56	-4.38	-1.03	
593	ULS CO4		267.63	111.32	-257.66	-151.58	-6.09	-3.66	
607	ULS CO4		-0.73	-5.38	-298.48	17.65	-5.08	-1.08	
687	ULS CO4		-53.80	37.82	-286.92	0.00	0.00	-0.50	
688	ULS CO4		-32.47	-42.90	-277.82	0.00	0.00	5.11	
689	ULS CO4		1.85	-56.41	-287.65	0.00	0.00	0.89	
690	ULS CO4		20.34	-56.59	-297.99	0.00	0.00	-0.46	
691	ULS CO4		95.38	-41.56	-308.54	0.00	0.00	-4.71	
692	ULS CO4		128.15	-14.54	-333.06	0.00	0.00	3.09	
693	ULS CO4		1.54	16.59	-345.61	0.00	0.00	-1.51	
694	ULS CO4		-31.10	-50.45	-345.06	0.00	0.00	-3.15	
695	ULS CO4		0.47	-43.25	-345.00	0.00	0.00	-0.19	
696	ULS CO4		6.90	-44.50	-345.17	0.00	0.00	-0.33	
697	ULS CO4		-14.41	-44.57	-345.64	0.00	0.00	-0.26	
698	ULS CO4		-41.64	-39.60	-346.39	0.00	0.00	-0.63	
699	ULS CO4		-38.72	-43.23	-347.43	0.00	0.00	3.50	
700	ULS CO4		155.53	-40.02	-354.11	0.00	0.00	4.53	
703	ULS CO4		28.48	390.12	-401.89	0.00	0.00	0.30	
704	ULS CO4		27.22	303.11	-406.15	0.00	0.00	-0.15	
705	ULS CO4		40.74	-166.51	-401.45	0.00	0.00	2.55	
706	ULS CO4		46.27	-108.38	-393.43	0.00	0.00	0.37	
709	ULS CO4		35.07	-31.88	-384.23	0.00	0.00	-2.58	
710	ULS CO4		123.24	41.35	-373.21	0.00	0.00	3.15	
711	ULS CO4		183.23	42.34	-371.27	0.00	0.00	-2.87	
717	ULS CO4		252.38	35.77	-263.51	0.00	0.00	0.02	
718	ULS CO4		247.80	35.34	-276.81	0.00	0.00	0.29	
719	ULS CO4		271.56	33.59	-291.52	0.00	0.00	0.17	
720	ULS CO4		319.11	32.43	-307.90	0.00	0.00	0.23	
721	ULS CO4		291.58	43.72	-325.14	0.00	0.00	-0.53	
747	ULS CO4		-369.22	-6.71	-404.47	3.82	10.36	-1.33	
749	ULS CO4		0.55	215.16	-344.78	0.00	0.00	-0.15	
750	ULS CO4		0.46	84.19	-362.13	0.00	0.00	-0.54	
751	ULS CO4		43.76	1.37	-307.55	0.00	0.00	0.82	
752	ULS CO4		60.31	0.64	-326.68	0.00	0.00	-0.12	
753	ULS CO4		45.16	-0.24	-361.07	0.00	0.00	0.26	
754	ULS CO4		-3.92	-0.54	-372.10	0.00	0.00	-0.08	
772	ULS CO4		34.29	78.10	-280.80	-374.99	2.51	2.02	
779	ULS CO4		37.32	198.29	-351.09	0.00	0.00	-1.65	
783	ULS CO4		85.44	0.32	-307.08	0.00	0.00	0.40	
785	ULS CO4		-38.95	318.26	-352.92	0.00	0.00	-11.91	
	Total max/min values with corresponding values								
60	ULS CO4	P_x	335.48	149.79	-316.95	-214.54	-9.17	-2.16	
747			-369.22	-6.71	-404.47	3.82	10.36	-1.33	
703		P_y	28.48	390.12	-401.89	0.00	0.00	0.30	
705			40.74	-166.51	-401.45	0.00	0.00	2.55	
343		P_z	98.54	-1.91	-233.35	-21.96	-13.08	-2.43	
468			0.10	-3.42	-442.05	-6.18	-1.49	-0.60	
20		M_x	-119.89	-11.89	-372.31	179.24	-101.15	11.81	
772			34.29	78.10	-280.80	-374.99	2.51	2.02	
422		M_y	41.11	191.17	-324.50	-38.52	71.86	0.37	
417			89.33	176.84	-257.99	-104.62	-107.56	1.50	
322		M_z	-67.76	338.33	-347.84	0.00	0.00	22.79	
71			8.21	370.47	-316.60	-105.72	30.17	-21.05	
	Sum of loads and sum of support forces								
	ULS CO4		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			4208.70	5667.40	-61619.60	Loads			
Σ			4160.02	4965.32	-26649.80	Support Forces			
20	ULS CO5		-128.70	-12.01	-399.55	192.64	-111.58	12.05	
25	ULS CO5		-261.69	5.37	-410.39	-20.07	-56.36	0.00	
32	ULS CO5		0.23	-1.01	-404.35	-11.01	-43.49	-0.53	
39	ULS CO5		84.40	54.31	-382.53	-61.64	-65.94	0.45	
45	ULS CO5		15.12	12.78	-364.26	-33.05	-49.13	1.33	
51	ULS CO5		239.56	128.36	-285.64	-161.08	-18.37	-0.65	
54	ULS CO5		245.51	124.97	-301.85	-165.44	-23.63	-0.76	
57	ULS CO5		297.36	137.49	-320.22	-189.46	-24.38	-1.26	
60	ULS CO5		352.66	150.53	-340.39	-214.02	-19.07	-2.21	
71	ULS CO5		13.20	388.59	-328.15	-106.00	26.73	-22.16	
72	ULS CO5		64.68	8.34	-345.60	-29.67	-47.73	0.16	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
74	ULS CO5		104.63	90.80	-363.35	0.00	0.00	-0.60	
99	ULS CO5		41.39	-39.31	-370.34	0.00	0.00	-3.18	
100	ULS CO5		131.06	18.04	-381.51	0.00	0.00	-8.49	
101	ULS CO5		194.89	128.66	-353.54	0.00	0.00	-3.96	
135	ULS CO5		223.72	409.44	-420.71	0.00	0.00	-0.27	
138	ULS CO5		349.61	32.51	-389.08	0.00	0.00	0.40	
139	ULS CO5		105.97	251.73	-382.19	0.00	0.00	-1.78	
286	ULS CO5		-3.63	133.57	-384.89	-33.05	-6.75	-0.63	
322	ULS CO5		-60.87	360.99	-373.30	0.00	0.00	24.96	
340	ULS CO5		-128.88	18.51	-272.63	-32.13	6.90	4.13	
341	ULS CO5		121.62	7.81	-263.65	-29.08	-12.01	-3.84	
342	ULS CO5		-117.49	18.88	-252.14	-27.15	9.96	2.62	
343	ULS CO5		99.12	-2.52	-245.82	-21.19	-13.88	-2.34	
365	ULS CO5		-246.22	27.12	-437.33	0.00	0.00	0.04	
370	ULS CO5		173.98	-112.77	-397.56	-176.60	-7.42	-5.32	
372	ULS CO5		-3.54	201.68	-424.66	-108.88	-9.44	0.54	
377	ULS CO5		-5.06	-57.66	-435.91	-83.39	-15.02	2.73	
415	ULS CO5		-9.57	295.16	-294.67	-143.29	-101.89	-5.08	
417	ULS CO5		83.46	163.79	-269.78	-103.10	-108.64	1.69	
419	ULS CO5		-99.20	266.74	-290.22	-103.28	-82.79	-0.33	
422	ULS CO5		44.05	210.04	-335.77	-38.51	76.69	0.45	
424	ULS CO5		-101.89	318.56	-309.80	-104.21	-63.71	2.34	
443	ULS CO5		148.21	328.93	-263.57	-295.07	-20.47	12.83	
445	ULS CO5		166.23	-181.72	-362.73	-237.36	-17.86	7.89	
465	ULS CO5		-10.65	1.70	-449.62	-15.64	-17.76	-0.65	
468	ULS CO5		-0.07	-6.67	-475.83	-1.09	-2.35	-0.66	
542	ULS CO5		-44.77	-153.60	-406.03	0.00	0.00	1.03	
547	ULS CO5		25.72	102.96	-272.76	0.00	0.00	0.06	
548	ULS CO5		-212.56	-77.20	-314.35	0.00	0.00	8.78	
589	ULS CO5		-0.82	-6.38	-288.13	23.74	-5.75	-1.10	
593	ULS CO5		257.20	112.97	-270.72	-153.11	-13.41	-3.72	
607	ULS CO5		-0.48	-5.80	-306.67	19.57	-4.65	-1.16	
687	ULS CO5		-55.89	45.48	-293.60	0.00	0.00	-0.47	
688	ULS CO5		-38.79	-43.37	-282.61	0.00	0.00	5.03	
689	ULS CO5		0.72	-56.49	-293.66	0.00	0.00	0.83	
690	ULS CO5		24.32	-56.62	-305.35	0.00	0.00	-0.49	
691	ULS CO5		107.60	-41.47	-317.31	0.00	0.00	-4.76	
692	ULS CO5		152.62	-14.06	-345.36	0.00	0.00	3.41	
693	ULS CO5		6.49	20.06	-360.68	0.00	0.00	-1.67	
694	ULS CO5		-27.26	-51.03	-360.91	0.00	0.00	-3.42	
695	ULS CO5		3.41	-43.25	-361.65	0.00	0.00	-0.20	
696	ULS CO5		4.73	-44.65	-362.56	0.00	0.00	-0.34	
697	ULS CO5		-22.68	-44.85	-363.72	0.00	0.00	-0.27	
698	ULS CO5		-54.77	-39.79	-365.10	0.00	0.00	-0.70	
699	ULS CO5		-48.27	-43.13	-366.78	0.00	0.00	3.51	
700	ULS CO5		165.51	-39.98	-375.24	0.00	0.00	4.71	
703	ULS CO5		28.12	415.20	-429.73	0.00	0.00	0.20	
704	ULS CO5		26.55	312.87	-435.33	0.00	0.00	-0.18	
705	ULS CO5		40.24	-209.29	-431.98	0.00	0.00	2.74	
706	ULS CO5		46.25	-140.17	-424.20	0.00	0.00	0.39	
709	ULS CO5		34.96	-44.61	-415.27	0.00	0.00	-2.56	
710	ULS CO5		111.40	41.43	-403.55	0.00	0.00	3.18	
711	ULS CO5		176.20	42.56	-400.58	0.00	0.00	-2.87	
717	ULS CO5		252.39	36.04	-277.48	0.00	0.00	0.02	
718	ULS CO5		249.88	35.58	-292.86	0.00	0.00	0.29	
719	ULS CO5		278.85	33.90	-310.07	0.00	0.00	0.15	
720	ULS CO5		337.63	32.78	-329.53	0.00	0.00	0.24	
721	ULS CO5		334.80	43.73	-350.78	0.00	0.00	-0.45	
747	ULS CO5		-418.97	-7.62	-434.57	4.88	10.20	-1.53	
749	ULS CO5		0.71	232.48	-360.26	0.00	0.00	-0.27	
750	ULS CO5		0.60	87.17	-381.36	0.00	0.00	-0.65	
751	ULS CO5		53.71	1.41	-320.01	0.00	0.00	0.85	
752	ULS CO5		67.35	0.65	-342.53	0.00	0.00	-0.14	
753	ULS CO5		52.43	-0.28	-383.24	0.00	0.00	0.25	
754	ULS CO5		-4.60	-0.57	-396.87	0.00	0.00	-0.08	
772	ULS CO5		49.46	77.35	-295.17	-371.38	12.61	2.01	
779	ULS CO5		42.56	236.60	-372.26	0.00	0.00	-0.96	
783	ULS CO5		89.14	0.26	-328.68	0.00	0.00	0.48	
785	ULS CO5		-43.83	348.36	-377.59	0.00	0.00	-13.53	
	Total max/min values with corresponding values								
60	ULS CO5	P_x	352.66	150.53	-340.39	-214.02	-19.07	-2.21	
747			-418.97	-7.62	-434.57	4.88	10.20	-1.53	
703		P_y	28.12	415.20	-429.73	0.00	0.00	0.20	
705			40.24	-209.29	-431.98	0.00	0.00	2.74	
343		P_z	99.12	-2.52	-245.82	-21.19	-13.88	-2.34	
468			-0.07	-6.67	-475.83	-1.09	-2.35	-0.66	
20		M_x	-128.70	-12.01	-399.55	192.64	-111.58	12.05	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
772		M_x	49.46	77.35	-295.17	-371.38	12.61	2.01	
422		M_y	44.05	210.04	-335.77	-38.51	76.69	0.45	
20			-128.70	-12.01	-399.55	192.64	-111.58	12.05	
322		M_z	-60.87	360.99	-373.30	0.00	0.00	24.96	
71			13.20	388.59	-328.15	-106.00	26.73	-22.16	
	Sum of loads and sum of support forces								
	ULS CO5		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			4208.70	5667.40	-63802.30	Loads			
Σ			4171.07	4977.38	-28190.70	Support Forces			
20	S Ch CO6		-78.36	-4.31	-263.55	120.04	-73.86	7.19	
25	S Ch CO6		-161.23	4.68	-269.03	-17.39	-36.19	-0.21	
32	S Ch CO6		3.66	-0.08	-264.64	-10.72	-27.47	-0.32	
39	S Ch CO6		55.44	41.43	-251.22	-65.21	-39.10	0.42	
45	S Ch CO6		9.71	9.61	-239.83	-26.80	-28.47	0.85	
51	S Ch CO6		165.91	89.42	-182.96	-117.58	-7.62	-0.66	
54	S Ch CO6		184.94	93.48	-192.66	-128.83	-9.73	-0.64	
57	S Ch CO6		233.28	97.23	-203.97	-141.16	-8.75	-0.88	
60	S Ch CO6		272.84	105.27	-216.46	-157.32	-4.39	-1.55	
71	S Ch CO6		-2.25	288.54	-222.81	-83.82	23.61	-15.33	
72	S Ch CO6		36.73	8.79	-229.80	-26.94	-23.36	0.00	
74	S Ch CO6		68.36	58.60	-239.11	0.00	0.00	-0.45	
99	S Ch CO6		21.29	-29.15	-252.93	0.00	0.00	-2.28	
100	S Ch CO6		90.89	12.24	-251.45	0.00	0.00	-5.87	
101	S Ch CO6		127.39	86.37	-234.23	0.00	0.00	-2.72	
135	S Ch CO6		154.40	277.17	-284.88	0.00	0.00	-0.19	
138	S Ch CO6		237.91	16.52	-262.85	0.00	0.00	0.31	
139	S Ch CO6		70.40	161.08	-260.40	0.00	0.00	-1.32	
286	S Ch CO6		-2.50	96.16	-255.18	-58.14	-4.39	-0.35	
322	S Ch CO6		-44.88	225.57	-247.13	0.00	0.00	15.61	
340	S Ch CO6		-82.23	13.61	-189.09	-23.61	4.71	2.95	
341	S Ch CO6		91.32	4.34	-182.47	-20.97	-8.39	-2.70	
342	S Ch CO6		-76.82	14.73	-174.75	-21.65	6.88	2.10	
343	S Ch CO6		73.25	-1.54	-170.26	-17.12	-9.64	-1.88	
365	S Ch CO6		-146.16	42.11	-290.18	0.00	0.00	0.24	
370	S Ch CO6		142.34	-59.90	-257.23	-133.00	0.92	-4.03	
372	S Ch CO6		-2.04	168.73	-276.32	-87.05	-5.55	0.41	
377	S Ch CO6		-3.00	-6.57	-286.35	-74.41	-9.72	1.67	
415	S Ch CO6		0.26	199.24	-196.09	-112.47	-79.64	-3.81	
417	S Ch CO6		67.80	140.55	-176.51	-82.07	-84.03	0.77	
419	S Ch CO6		-72.11	227.13	-192.67	-83.32	-61.10	-0.34	
422	S Ch CO6		28.65	138.93	-229.23	-30.55	51.57	0.40	
424	S Ch CO6		-72.50	266.64	-208.13	-84.11	-44.61	1.47	
443	S Ch CO6		88.04	227.28	-170.32	-232.31	-10.75	10.69	
445	S Ch CO6		131.82	-105.75	-230.04	-191.30	-5.22	6.10	
465	S Ch CO6		-6.71	2.94	-297.34	-14.94	-11.09	-0.40	
468	S Ch CO6		0.09	-2.51	-314.28	-5.53	-1.15	-0.40	
542	S Ch CO6		-17.88	-101.68	-261.83	0.00	0.00	0.73	
547	S Ch CO6		18.35	70.43	-191.68	0.00	0.00	0.05	
548	S Ch CO6		-143.41	-54.93	-215.24	0.00	0.00	5.85	
589	S Ch CO6		-0.77	-4.12	-191.55	14.64	-4.66	-0.79	
593	S Ch CO6		163.40	77.77	-174.28	-111.11	-5.50	-2.52	
607	S Ch CO6		-0.30	-3.66	-203.11	11.49	-3.13	-0.82	
687	S Ch CO6		-39.33	25.46	-203.49	0.00	0.00	-0.37	
688	S Ch CO6		-28.05	-31.73	-197.93	0.00	0.00	3.76	
689	S Ch CO6		-1.21	-41.78	-204.94	0.00	0.00	0.64	
690	S Ch CO6		14.44	-41.92	-212.36	0.00	0.00	-0.37	
691	S Ch CO6		66.59	-30.61	-219.95	0.00	0.00	-3.58	
692	S Ch CO6		99.73	-11.00	-237.80	0.00	0.00	1.92	
693	S Ch CO6		10.53	8.26	-247.87	0.00	0.00	-0.89	
694	S Ch CO6		-12.60	-36.97	-247.92	0.00	0.00	-2.10	
695	S Ch CO6		5.83	-32.16	-248.28	0.00	0.00	-0.13	
696	S Ch CO6		4.13	-32.99	-248.72	0.00	0.00	-0.24	
697	S Ch CO6		-17.05	-32.98	-249.29	0.00	0.00	-0.19	
698	S Ch CO6		-39.30	-29.29	-249.98	0.00	0.00	-0.45	
699	S Ch CO6		-35.95	-32.05	-250.86	0.00	0.00	2.60	
700	S Ch CO6		111.90	-29.48	-255.98	0.00	0.00	3.40	
703	S Ch CO6		20.97	283.40	-288.86	0.00	0.00	0.28	
704	S Ch CO6		20.28	219.90	-290.63	0.00	0.00	-0.08	
705	S Ch CO6		30.32	-106.34	-284.83	0.00	0.00	1.84	
706	S Ch CO6		34.29	-67.14	-277.86	0.00	0.00	0.27	
709	S Ch CO6		26.00	-18.90	-269.98	0.00	0.00	-1.92	
710	S Ch CO6		99.79	30.63	-260.61	0.00	0.00	2.34	
711	S Ch CO6		145.28	31.17	-258.99	0.00	0.00	-2.19	
717	S Ch CO6		162.21	25.14	-178.16	0.00	0.00	0.01	
718	S Ch CO6		169.93	25.13	-187.23	0.00	0.00	0.15	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
719	SCh CO6		202.13	23.80	-197.69	0.00	0.00	0.20	
720	SCh CO6		247.82	22.60	-209.74	0.00	0.00	0.18	
721	SCh CO6		238.59	31.62	-222.78	0.00	0.00	-0.61	
747	SCh CO6		-254.89	-4.54	-287.45	2.08	3.68	-0.88	
749	SCh CO6		0.41	149.97	-242.16	0.00	0.00	-0.11	
750	SCh CO6		0.34	51.21	-255.12	0.00	0.00	-0.40	
751	SCh CO6		19.67	1.15	-215.43	0.00	0.00	0.59	
752	SCh CO6		36.29	0.56	-226.63	0.00	0.00	-0.05	
753	SCh CO6		33.64	-0.15	-251.15	0.00	0.00	0.22	
754	SCh CO6		3.29	-0.39	-260.12	0.00	0.00	-0.06	
772	SCh CO6		23.60	61.11	-207.46	-294.33	-2.40	1.48	
779	SCh CO6		26.89	141.24	-253.40	0.00	0.00	-1.03	
783	SCh CO6		58.34	0.22	-219.21	0.00	0.00	0.29	
785	SCh CO6		-31.80	223.55	-252.27	0.00	0.00	-8.82	
	Total max/min values with corresponding values								
60	SCh CO6	P_x	272.84	105.27	-216.46	-157.32	-4.39	-1.55	
747			-254.89	-4.54	-287.45	2.08	3.68	-0.88	
71		P_y	-2.25	288.54	-222.81	-83.82	23.61	-15.33	
705			30.32	-106.34	-284.83	0.00	0.00	1.84	
343		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	
468			0.09	-2.51	-314.28	-5.53	-1.15	-0.40	
20		M_x	-78.36	-4.31	-263.55	120.04	-73.86	7.19	
772			23.60	61.11	-207.46	-294.33	-2.40	1.48	
422		M_y	28.65	138.93	-229.23	-30.55	51.57	0.40	
417			67.80	140.55	-176.51	-82.07	-84.03	0.77	
322		M_z	-44.88	225.57	-247.13	0.00	0.00	15.61	
71			-2.25	288.54	-222.81	-83.82	23.61	-15.33	
	Sum of loads and sum of support forces								
	SCh CO6		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-44581.70	Loads			
Σ			3078.37	3668.12	-18777.20	Support Forces			
20	SCh CO7		-87.90	-4.39	-293.46	134.81	-85.18	7.46	
25	SCh CO7		-188.54	4.22	-297.98	-16.08	-47.22	-0.11	
32	SCh CO7		2.40	-0.60	-291.52	-9.25	-37.42	-0.37	
39	SCh CO7		64.87	37.83	-274.35	-57.20	-53.28	0.40	
45	SCh CO7		9.24	9.84	-259.57	-26.13	-37.90	0.95	
51	SCh CO7		148.76	90.51	-199.93	-117.77	-16.94	-0.56	
54	SCh CO7		170.74	93.03	-212.05	-126.67	-20.17	-0.60	
57	SCh CO7		227.61	97.81	-226.33	-139.89	-20.13	-0.89	
60	SCh CO7		292.02	106.00	-242.48	-156.48	-15.01	-1.61	
71	SCh CO7		3.50	308.29	-235.67	-83.74	20.13	-16.54	
72	SCh CO7		40.77	8.39	-246.39	-25.93	-33.84	0.09	
74	SCh CO7		80.45	68.40	-259.61	0.00	0.00	-0.48	
99	SCh CO7		27.12	-28.60	-275.10	0.00	0.00	-2.50	
100	SCh CO7		106.01	12.42	-279.52	0.00	0.00	-6.69	
101	SCh CO7		150.20	93.31	-259.92	0.00	0.00	-2.31	
135	SCh CO7		164.72	305.61	-313.54	0.00	0.00	-0.22	
138	SCh CO7		260.09	27.71	-289.34	0.00	0.00	0.30	
139	SCh CO7		82.25	196.97	-284.73	0.00	0.00	-1.30	
286	SCh CO7		-3.00	93.02	-277.53	-43.47	-5.73	-0.46	
322	SCh CO7		-37.28	250.55	-275.09	0.00	0.00	18.00	
340	SCh CO7		-92.61	13.07	-200.94	-22.83	4.97	2.84	
341	SCh CO7		91.86	4.04	-193.98	-20.25	-8.95	-2.60	
342	SCh CO7		-88.41	14.41	-188.74	-20.76	7.33	1.99	
343	SCh CO7		73.62	-2.27	-183.74	-16.11	-10.50	-1.76	
365	SCh CO7		-183.66	18.32	-323.25	0.00	0.00	0.03	
370	SCh CO7		129.12	-95.76	-288.48	-139.50	-8.49	-4.17	
372	SCh CO7		-2.61	153.09	-310.47	-88.33	-7.38	0.39	
377	SCh CO7		-3.70	-25.91	-320.05	-68.52	-11.76	1.96	
415	SCh CO7		-7.71	197.63	-209.49	-110.06	-80.53	-3.89	
417	SCh CO7		61.80	126.63	-189.94	-80.11	-85.26	0.97	
419	SCh CO7		-72.24	209.99	-206.06	-81.22	-61.73	-0.41	
422	SCh CO7		31.99	159.80	-241.74	-30.37	57.02	0.46	
424	SCh CO7		-73.70	263.54	-221.39	-82.88	-46.39	1.89	
443	SCh CO7		81.69	221.01	-184.22	-227.97	-18.14	10.35	
445	SCh CO7		142.26	-142.39	-261.01	-186.42	-15.03	6.09	
465	SCh CO7		-8.34	0.37	-332.04	-10.99	-14.08	-0.46	
468	SCh CO7		-0.08	-6.09	-351.41	0.10	-2.05	-0.47	
542	SCh CO7		-30.62	-113.29	-296.36	0.00	0.00	0.76	
547	SCh CO7		14.01	75.37	-195.80	0.00	0.00	0.05	
548	SCh CO7		-158.37	-54.68	-225.90	0.00	0.00	6.53	
589	SCh CO7		-1.11	-4.63	-196.03	17.05	-6.15	-0.87	
593	SCh CO7		150.53	79.42	-189.20	-112.39	-13.59	-2.56	
607	SCh CO7		-0.02	-4.13	-212.14	13.62	-2.64	-0.91	
687	SCh CO7		-41.60	33.79	-210.87	0.00	0.00	-0.32	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
688	SCh CO7		-34.96	-32.28	-203.22	0.00	0.00	3.67	
689	SCh CO7		-2.41	-41.86	-211.58	0.00	0.00	0.57	
690	SCh CO7		18.84	-41.96	-220.46	0.00	0.00	-0.40	
691	SCh CO7		80.13	-30.51	-229.59	0.00	0.00	-3.63	
692	SCh CO7		126.79	-10.46	-251.34	0.00	0.00	2.27	
693	SCh CO7		16.08	12.07	-264.46	0.00	0.00	-1.07	
694	SCh CO7		-8.22	-37.60	-265.35	0.00	0.00	-2.40	
695	SCh CO7		9.27	-32.16	-266.58	0.00	0.00	-0.14	
696	SCh CO7		1.94	-33.16	-267.82	0.00	0.00	-0.25	
697	SCh CO7		-25.97	-33.29	-269.12	0.00	0.00	-0.20	
698	SCh CO7		-53.61	-29.51	-270.50	0.00	0.00	-0.52	
699	SCh CO7		-46.36	-31.95	-272.06	0.00	0.00	2.61	
700	SCh CO7		122.88	-29.43	-279.11	0.00	0.00	3.60	
703	SCh CO7		20.58	310.77	-319.35	0.00	0.00	0.17	
704	SCh CO7		19.54	230.37	-322.62	0.00	0.00	-0.11	
705	SCh CO7		29.78	-153.56	-318.34	0.00	0.00	2.05	
706	SCh CO7		34.27	-102.16	-311.65	0.00	0.00	0.29	
709	SCh CO7		25.89	-32.83	-304.10	0.00	0.00	-1.90	
710	SCh CO7		86.90	30.72	-294.01	0.00	0.00	2.37	
711	SCh CO7		137.59	31.41	-291.29	0.00	0.00	-2.19	
717	SCh CO7		160.46	25.46	-194.04	0.00	0.00	0.01	
718	SCh CO7		170.76	25.42	-205.31	0.00	0.00	0.15	
719	SCh CO7		209.29	24.17	-218.44	0.00	0.00	0.18	
720	SCh CO7		267.88	23.02	-233.79	0.00	0.00	0.19	
721	SCh CO7		285.87	31.65	-251.17	0.00	0.00	-0.51	
747	SCh CO7		-309.11	-5.53	-320.51	3.26	3.64	-1.09	
749	SCh CO7		0.59	169.07	-259.21	0.00	0.00	-0.25	
750	SCh CO7		0.50	54.50	-276.29	0.00	0.00	-0.53	
751	SCh CO7		30.74	1.20	-229.25	0.00	0.00	0.63	
752	SCh CO7		44.30	0.58	-244.15	0.00	0.00	-0.07	
753	SCh CO7		41.93	-0.20	-275.55	0.00	0.00	0.20	
754	SCh CO7		2.87	-0.42	-287.37	0.00	0.00	-0.06	
772	SCh CO7		40.38	60.14	-223.30	-289.66	9.27	1.46	
779	SCh CO7		32.65	183.19	-276.60	0.00	0.00	-0.26	
783	SCh CO7		62.44	0.15	-242.94	0.00	0.00	0.37	
785	SCh CO7		-37.08	256.41	-279.34	0.00	0.00	-10.58	
	Total max/min values with corresponding values								
60	SCh CO7	P_x	292.02	106.00	-242.48	-156.48	-15.01	-1.61	
747			-309.11	-5.53	-320.51	3.26	3.64	-1.09	
703		P_y	20.58	310.77	-319.35	0.00	0.00	0.17	
705			29.78	-153.56	-318.34	0.00	0.00	2.05	
343		P_z	73.62	-2.27	-183.74	-16.11	-10.50	-1.76	
468			-0.08	-6.09	-351.41	0.10	-2.05	-0.47	
20		M_x	-87.90	-4.39	-293.46	134.81	-85.18	7.46	
772			40.38	60.14	-223.30	-289.66	9.27	1.46	
422		M_y	31.99	159.80	-241.74	-30.37	57.02	0.46	
417			61.80	126.63	-189.94	-80.11	-85.26	0.97	
322		M_z	-37.28	250.55	-275.09	0.00	0.00	18.00	
71			3.50	308.29	-235.67	-83.74	20.13	-16.54	
	Sum of loads and sum of support forces								
	SCh CO7		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-46980.20	Loads			
Σ			3089.53	3683.05	-20477.20	Support Forces			
20	SCh CO8		-95.60	-7.70	-302.37	144.04	-86.05	8.59	
25	SCh CO8		-199.02	3.94	-309.21	-14.90	-45.91	0.00	
32	SCh CO8		0.41	-0.83	-303.70	-8.11	-36.02	-0.40	
39	SCh CO8		65.27	38.73	-286.37	-46.92	-53.47	0.34	
45	SCh CO8		10.46	9.62	-271.69	-24.78	-39.11	1.00	
51	SCh CO8		165.95	94.11	-212.32	-119.00	-16.73	-0.48	
54	SCh CO8		175.69	92.62	-224.95	-123.23	-20.74	-0.57	
57	SCh CO8		220.99	100.91	-239.46	-139.99	-21.37	-0.92	
60	SCh CO8		274.13	110.19	-255.62	-157.83	-16.94	-1.64	
71	SCh CO8		9.38	298.12	-244.07	-80.02	19.00	-16.74	
72	SCh CO8		46.83	6.69	-257.29	-22.83	-37.49	0.14	
74	SCh CO8		81.10	69.88	-271.39	0.00	0.00	-0.46	
99	SCh CO8		31.06	-28.85	-279.81	0.00	0.00	-2.45	
100	SCh CO8		103.11	13.15	-288.41	0.00	0.00	-6.59	
101	SCh CO8		151.35	96.42	-267.44	0.00	0.00	-2.67	
135	SCh CO8		167.90	310.69	-318.97	0.00	0.00	-0.21	
138	SCh CO8		264.55	27.73	-294.81	0.00	0.00	0.30	
139	SCh CO8		82.33	197.85	-289.34	0.00	0.00	-1.31	
286	SCh CO8		-2.89	96.59	-288.33	-26.21	-5.53	-0.49	
322	SCh CO8		-41.16	268.72	-282.76	0.00	0.00	18.93	
340	SCh CO8		-97.06	13.41	-204.47	-23.36	5.14	2.97	
341	SCh CO8		90.78	5.23	-197.67	-21.03	-9.04	-2.75	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
342	SCh CO8		-90.16	13.96	-190.52	-20.01	7.47	1.92	
343	SCh CO8		73.47	-2.16	-185.63	-15.52	-10.54	-1.70	
365	SCh CO8		-191.66	14.02	-331.60	0.00	0.00	-0.02	
370	SCh CO8		125.75	-95.35	-300.23	-134.79	-8.58	-4.03	
372	SCh CO8		-2.76	146.74	-321.53	-83.11	-7.54	0.39	
377	SCh CO8		-3.90	-42.67	-330.10	-62.27	-11.79	2.07	
415	SCh CO8		-9.25	212.07	-218.95	-106.63	-77.08	-3.82	
417	SCh CO8		60.32	119.44	-200.21	-77.00	-82.08	1.22	
419	SCh CO8		-73.18	196.78	-215.64	-77.37	-61.60	-0.31	
422	SCh CO8		33.22	161.65	-249.76	-29.03	58.13	0.39	
424	SCh CO8		-75.28	242.68	-230.36	-78.53	-47.42	1.88	
443	SCh CO8		100.54	235.71	-195.40	-220.15	-17.74	9.66	
445	SCh CO8		130.79	-145.36	-273.90	-177.66	-16.09	5.91	
465	SCh CO8		-8.40	0.42	-340.99	-10.50	-14.13	-0.49	
468	SCh CO8		-0.11	-6.10	-360.98	0.76	-2.05	-0.50	
542	SCh CO8		-35.50	-116.40	-307.73	0.00	0.00	0.77	
547	SCh CO8		16.64	77.21	-201.31	0.00	0.00	0.04	
548	SCh CO8		-161.25	-56.45	-233.47	0.00	0.00	6.67	
589	SCh CO8		-0.83	-4.82	-209.74	18.01	-5.13	-0.85	
593	SCh CO8		176.85	82.95	-200.86	-113.53	-12.84	-2.72	
607	SCh CO8		-0.20	-4.36	-225.20	14.76	-3.11	-0.89	
687	SCh CO8		-42.00	35.72	-217.42	0.00	0.00	-0.33	
688	SCh CO8		-32.08	-32.29	-208.92	0.00	0.00	3.69	
689	SCh CO8		-0.56	-41.87	-217.47	0.00	0.00	0.59	
690	SCh CO8		19.28	-41.95	-226.54	0.00	0.00	-0.38	
691	SCh CO8		83.01	-30.64	-235.84	0.00	0.00	-3.57	
692	SCh CO8		123.19	-10.30	-257.80	0.00	0.00	2.54	
693	SCh CO8		9.18	15.00	-270.36	0.00	0.00	-1.24	
694	SCh CO8		-15.92	-37.89	-270.93	0.00	0.00	-2.57	
695	SCh CO8		5.14	-32.07	-271.87	0.00	0.00	-0.15	
696	SCh CO8		2.53	-33.14	-272.89	0.00	0.00	-0.25	
697	SCh CO8		-21.44	-33.31	-274.05	0.00	0.00	-0.20	
698	SCh CO8		-47.54	-29.54	-275.33	0.00	0.00	-0.54	
699	SCh CO8		-41.13	-31.93	-276.83	0.00	0.00	2.61	
700	SCh CO8		125.28	-29.55	-283.77	0.00	0.00	3.57	
703	SCh CO8		20.67	314.97	-325.85	0.00	0.00	0.13	
704	SCh CO8		19.46	233.92	-330.11	0.00	0.00	-0.14	
705	SCh CO8		29.67	-165.77	-327.49	0.00	0.00	2.08	
706	SCh CO8		34.25	-111.66	-321.53	0.00	0.00	0.30	
709	SCh CO8		25.87	-36.31	-314.73	0.00	0.00	-1.89	
710	SCh CO8		80.63	30.71	-305.48	0.00	0.00	2.37	
711	SCh CO8		130.61	31.55	-302.88	0.00	0.00	-2.14	
717	SCh CO8		179.69	26.43	-206.05	0.00	0.00	0.01	
718	SCh CO8		181.69	26.16	-217.95	0.00	0.00	0.20	
719	SCh CO8		209.20	24.94	-231.46	0.00	0.00	0.12	
720	SCh CO8		259.77	24.03	-246.92	0.00	0.00	0.18	
721	SCh CO8		269.59	32.19	-264.15	0.00	0.00	-0.36	
747	SCh CO8		-322.96	-5.85	-329.36	3.80	6.45	-1.18	
749	SCh CO8		0.59	175.87	-268.81	0.00	0.00	-0.24	
750	SCh CO8		0.50	62.60	-285.81	0.00	0.00	-0.53	
751	SCh CO8		39.92	1.10	-238.17	0.00	0.00	0.64	
752	SCh CO8		50.19	0.51	-255.25	0.00	0.00	-0.10	
753	SCh CO8		41.59	-0.22	-287.39	0.00	0.00	0.19	
754	SCh CO8		-1.86	-0.43	-298.63	0.00	0.00	-0.06	
772	SCh CO8		41.61	57.88	-223.65	-278.12	11.97	1.48	
779	SCh CO8		33.20	187.40	-281.49	0.00	0.00	-0.40	
783	SCh CO8		66.02	0.17	-248.95	0.00	0.00	0.38	
785	SCh CO8		-34.99	265.44	-286.02	0.00	0.00	-10.60	
	Total max/min values with corresponding values								
60	SCh CO8	P_x	274.13	110.19	-255.62	-157.83	-16.94	-1.64	
747			-322.96	-5.85	-329.36	3.80	6.45	-1.18	
703		P_y	20.67	314.97	-325.85	0.00	0.00	0.13	
705			29.67	-165.77	-327.49	0.00	0.00	2.08	
343		P_z	73.47	-2.16	-185.63	-15.52	-10.54	-1.70	
468			-0.11	-6.10	-360.98	0.76	-2.05	-0.50	
20		M_x	-95.60	-7.70	-302.37	144.04	-86.05	8.59	
772			41.61	57.88	-223.65	-278.12	11.97	1.48	
422		M_y	33.22	161.65	-249.76	-29.03	58.13	0.39	
20			-95.60	-7.70	-302.37	144.04	-86.05	8.59	
322		M_z	-41.16	268.72	-282.76	0.00	0.00	18.93	
71			9.38	298.12	-244.07	-80.02	19.00	-16.74	

	Sum of loads and sum of support forces					
	SCh CO8		P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ			3117.55	4198.08	-47752.60	Loads
Σ			3092.52	3689.02	-21172.70	Support Forces

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
20	S Ch CO9		-89.21	-8.98	-276.25	133.26	-74.97	8.81	
25	S Ch CO9		-175.46	4.26	-285.08	-15.64	-34.07	-0.07	
32	S Ch CO9		1.14	-0.43	-282.06	-9.05	-25.35	-0.36	
39	S Ch CO9		56.58	42.68	-268.43	-50.46	-39.12	0.35	
45	S Ch CO9		11.86	9.29	-257.22	-24.84	-29.88	0.92	
51	S Ch CO9		188.63	94.49	-201.14	-119.09	-7.31	-0.55	
54	S Ch CO9		190.97	92.78	-211.49	-123.63	-10.39	-0.59	
57	S Ch CO9		223.55	101.54	-223.05	-140.98	-10.30	-0.93	
60	S Ch CO9		247.56	111.17	-235.47	-158.98	-6.89	-1.60	
71	S Ch CO9		6.40	273.88	-234.96	-78.10	22.29	-15.61	
72	S Ch CO9		45.77	6.35	-245.48	-22.46	-28.26	0.05	
74	S Ch CO9		69.60	60.77	-256.00	0.00	0.00	-0.42	
99	S Ch CO9		26.99	-29.50	-259.58	0.00	0.00	-2.20	
100	S Ch CO9		86.69	13.27	-264.15	0.00	0.00	-5.72	
101	S Ch CO9		129.06	90.74	-244.97	0.00	0.00	-3.23	
135	S Ch CO9		158.90	284.30	-292.52	0.00	0.00	-0.18	
138	S Ch CO9		244.21	16.53	-270.58	0.00	0.00	0.30	
139	S Ch CO9		70.51	162.30	-266.88	0.00	0.00	-1.33	
286	S Ch CO9		-2.34	101.22	-270.64	-33.37	-4.05	-0.39	
322	S Ch CO9		-50.39	251.57	-258.06	0.00	0.00	16.93	
340	S Ch CO9		-88.87	14.12	-194.22	-24.39	4.94	3.15	
341	S Ch CO9		89.57	6.10	-187.79	-22.11	-8.53	-2.93	
342	S Ch CO9		-79.37	14.09	-177.29	-20.55	7.07	2.00	
343	S Ch CO9		72.98	-1.41	-172.95	-16.23	-9.69	-1.80	
365	S Ch CO9		-157.40	35.71	-302.06	0.00	0.00	0.16	
370	S Ch CO9		137.80	-59.42	-274.12	-125.97	0.97	-3.83	
372	S Ch CO9		-2.23	159.45	-292.17	-79.34	-5.74	0.42	
377	S Ch CO9		-3.28	-30.73	-300.73	-65.25	-9.72	1.83	
415	S Ch CO9		-1.44	221.94	-210.10	-107.65	-74.70	-3.71	
417	S Ch CO9		66.11	130.62	-191.66	-77.33	-79.50	1.12	
419	S Ch CO9		-73.43	209.04	-206.71	-77.51	-60.86	-0.19	
422	S Ch CO9		30.52	141.71	-240.80	-28.46	53.29	0.27	
424	S Ch CO9		-74.73	237.10	-221.21	-77.54	-45.98	1.44	
443	S Ch CO9		115.25	249.53	-186.85	-221.04	-10.12	9.71	
445	S Ch CO9		115.62	-110.23	-248.61	-178.33	-6.51	5.83	
465	S Ch CO9		-6.77	2.98	-310.14	-14.17	-11.11	-0.44	
468	S Ch CO9		0.07	-2.53	-327.95	-4.54	-1.10	-0.45	
542	S Ch CO9		-24.81	-106.11	-278.12	0.00	0.00	0.74	
547	S Ch CO9		22.12	73.00	-199.59	0.00	0.00	0.05	
548	S Ch CO9		-147.56	-57.43	-226.11	0.00	0.00	6.05	
589	S Ch CO9		-0.36	-4.40	-211.15	16.02	-3.19	-0.76	
593	S Ch CO9		199.61	82.64	-191.49	-112.33	-4.47	-2.72	
607	S Ch CO9		-0.55	-4.00	-221.78	13.13	-3.79	-0.80	
687	S Ch CO9		-39.88	28.12	-212.88	0.00	0.00	-0.37	
688	S Ch CO9		-23.90	-31.78	-206.09	0.00	0.00	3.79	
689	S Ch CO9		1.47	-41.79	-213.38	0.00	0.00	0.66	
690	S Ch CO9		15.09	-41.92	-221.06	0.00	0.00	-0.34	
691	S Ch CO9		70.80	-30.79	-228.88	0.00	0.00	-3.49	
692	S Ch CO9		94.74	-10.76	-247.05	0.00	0.00	2.30	
693	S Ch CO9		0.78	12.44	-256.32	0.00	0.00	-1.13	
694	S Ch CO9		-23.44	-37.39	-255.90	0.00	0.00	-2.34	
695	S Ch CO9		0.14	-32.03	-255.83	0.00	0.00	-0.14	
696	S Ch CO9		5.14	-32.96	-255.95	0.00	0.00	-0.25	
697	S Ch CO9		-10.43	-33.01	-256.29	0.00	0.00	-0.19	
698	S Ch CO9		-30.52	-29.33	-256.84	0.00	0.00	-0.47	
699	S Ch CO9		-28.40	-32.02	-257.61	0.00	0.00	2.59	
700	S Ch CO9		115.34	-29.65	-262.55	0.00	0.00	3.35	
703	S Ch CO9		21.10	289.19	-298.04	0.00	0.00	0.22	
704	S Ch CO9		20.16	224.71	-301.24	0.00	0.00	-0.11	
705	S Ch CO9		30.17	-123.99	-297.86	0.00	0.00	1.89	
706	S Ch CO9		34.27	-80.79	-291.95	0.00	0.00	0.27	
709	S Ch CO9		25.98	-23.80	-285.18	0.00	0.00	-1.91	
710	S Ch CO9		90.96	30.63	-277.06	0.00	0.00	2.33	
711	S Ch CO9		135.36	31.37	-275.62	0.00	0.00	-2.12	
717	S Ch CO9		187.92	26.54	-195.84	0.00	0.00	0.02	
718	S Ch CO9		184.09	26.22	-205.73	0.00	0.00	0.22	
719	S Ch CO9		201.12	24.92	-216.63	0.00	0.00	0.12	
720	S Ch CO9		235.93	24.08	-228.77	0.00	0.00	0.17	
721	S Ch CO9		215.13	32.41	-241.53	0.00	0.00	-0.38	
747	S Ch CO9		-274.21	-4.99	-300.07	2.86	7.83	-0.99	
749	S Ch CO9		0.41	159.74	-255.90	0.00	0.00	-0.11	
750	S Ch CO9		0.34	62.79	-268.75	0.00	0.00	-0.40	
751	S Ch CO9		32.90	1.01	-228.29	0.00	0.00	0.60	
752	S Ch CO9		44.99	0.47	-242.57	0.00	0.00	-0.09	
753	S Ch CO9		33.44	-0.18	-268.08	0.00	0.00	0.19	
754	S Ch CO9		-3.14	-0.40	-276.23	0.00	0.00	-0.06	
772	S Ch CO9		25.46	57.73	-208.02	-277.15	2.01	1.50	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
779	S Ch CO9		27.67	147.10	-260.33	0.00	0.00	-1.23	
783	S Ch CO9		63.48	0.24	-227.79	0.00	0.00	0.29	
785	S Ch CO9		-28.74	236.22	-261.77	0.00	0.00	-8.82	
	Total max/min values with corresponding values								
60	S Ch CO9	P_x	247.56	111.17	-235.47	-158.98	-6.89	-1.60	
747			-274.21	-4.99	-300.07	2.86	7.83	-0.99	
703		P_y	21.10	289.19	-298.04	0.00	0.00	0.22	
705			30.17	-123.99	-297.86	0.00	0.00	1.89	
343		P_z	72.98	-1.41	-172.95	-16.23	-9.69	-1.80	
468			0.07	-2.53	-327.95	-4.54	-1.10	-0.45	
20		M_x	-89.21	-8.98	-276.25	133.26	-74.97	8.81	
772			25.46	57.73	-208.02	-277.15	2.01	1.50	
422		M_y	30.52	141.71	-240.80	-28.46	53.29	0.27	
417			66.11	130.62	-191.66	-77.33	-79.50	1.12	
322		M_z	-50.39	251.57	-258.06	0.00	0.00	16.93	
71			6.40	273.88	-234.96	-78.10	22.29	-15.61	
	Sum of loads and sum of support forces								
	S Ch CO9		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-45685.10	Loads			
Σ			3081.62	3678.36	-19777.50	Support Forces			
20	S Ch CO10		-96.00	-9.08	-297.21	143.57	-83.00	8.99	
25	S Ch CO10		-195.15	3.95	-305.34	-14.77	-41.98	0.01	
32	S Ch CO10		0.02	-0.78	-300.86	-8.06	-32.41	-0.40	
39	S Ch CO10		62.75	40.19	-284.59	-44.91	-49.24	0.33	
45	S Ch CO10		11.23	9.46	-270.97	-24.40	-36.72	0.99	
51	S Ch CO10		178.01	95.31	-212.66	-119.40	-13.84	-0.47	
54	S Ch CO10		181.82	92.54	-224.76	-122.32	-17.81	-0.56	
57	S Ch CO10		219.79	102.03	-238.46	-140.33	-18.43	-0.94	
60	S Ch CO10		260.78	111.75	-253.50	-158.60	-14.51	-1.64	
71	S Ch CO10		10.23	287.82	-243.84	-78.34	19.63	-16.46	
72	S Ch CO10		48.32	6.08	-257.00	-21.79	-35.84	0.13	
74	S Ch CO10		77.84	67.59	-270.30	0.00	0.00	-0.44	
99	S Ch CO10		31.01	-29.12	-275.16	0.00	0.00	-2.36	
100	S Ch CO10		97.32	13.40	-283.80	0.00	0.00	-6.30	
101	S Ch CO10		145.01	95.65	-262.95	0.00	0.00	-2.94	
135	S Ch CO10		166.16	304.30	-312.67	0.00	0.00	-0.20	
138	S Ch CO10		259.78	24.37	-289.19	0.00	0.00	0.30	
139	S Ch CO10		78.81	187.44	-283.99	0.00	0.00	-1.32	
286	S Ch CO10		-2.69	99.05	-286.25	-23.19	-5.03	-0.47	
322	S Ch CO10		-45.10	269.01	-277.65	0.00	0.00	18.60	
340	S Ch CO10		-95.96	13.71	-202.44	-23.81	5.13	3.06	
341	S Ch CO10		90.06	5.84	-195.79	-21.56	-8.92	-2.85	
342	S Ch CO10		-87.42	13.95	-187.22	-20.04	7.40	1.94	
343	S Ch CO10		73.42	-1.88	-182.53	-15.64	-10.30	-1.73	
365	S Ch CO10		-183.79	19.25	-325.25	0.00	0.00	0.02	
370	S Ch CO10		128.34	-84.43	-295.92	-130.75	-5.75	-3.94	
372	S Ch CO10		-2.64	148.66	-316.04	-80.42	-7.05	0.40	
377	S Ch CO10		-3.78	-44.09	-324.30	-61.30	-11.18	2.04	
415	S Ch CO10		-7.40	219.26	-219.10	-105.89	-75.31	-3.76	
417	S Ch CO10		61.57	120.57	-200.70	-76.17	-80.34	1.27	
419	S Ch CO10		-73.54	196.41	-215.81	-76.26	-61.34	-0.24	
422	S Ch CO10		32.77	156.22	-249.46	-28.46	57.00	0.33	
424	S Ch CO10		-75.59	234.77	-230.29	-76.95	-47.30	1.74	
443	S Ch CO10		110.60	244.20	-196.16	-218.05	-15.34	9.46	
445	S Ch CO10		122.78	-135.70	-270.17	-175.26	-13.55	5.83	
465	S Ch CO10		-7.93	1.20	-334.42	-11.46	-13.24	-0.49	
468	S Ch CO10		-0.06	-5.03	-353.94	-0.63	-1.76	-0.49	
542	S Ch CO10		-33.76	-114.25	-302.26	0.00	0.00	0.76	
547	S Ch CO10		19.08	76.50	-202.44	0.00	0.00	0.04	
548	S Ch CO10		-157.99	-57.27	-233.53	0.00	0.00	6.53	
589	S Ch CO10		-0.60	-4.75	-214.27	17.70	-4.24	-0.82	
593	S Ch CO10		191.64	83.92	-201.51	-113.53	-10.10	-2.77	
607	S Ch CO10		-0.36	-4.32	-228.09	14.61	-3.46	-0.86	
687	S Ch CO10		-41.49	34.01	-218.01	0.00	0.00	-0.35	
688	S Ch CO10		-28.76	-32.14	-209.78	0.00	0.00	3.72	
689	S Ch CO10		0.60	-41.84	-218.01	0.00	0.00	0.61	
690	S Ch CO10		18.15	-41.94	-226.71	0.00	0.00	-0.36	
691	S Ch CO10		80.20	-30.72	-235.62	0.00	0.00	-3.53	
692	S Ch CO10		113.56	-10.39	-256.51	0.00	0.00	2.55	
693	S Ch CO10		4.58	15.11	-267.91	0.00	0.00	-1.25	
694	S Ch CO10		-20.49	-37.83	-268.09	0.00	0.00	-2.55	
695	S Ch CO10		2.39	-32.03	-268.64	0.00	0.00	-0.15	
696	S Ch CO10		3.47	-33.08	-269.33	0.00	0.00	-0.25	
697	S Ch CO10		-16.80	-33.23	-270.20	0.00	0.00	-0.20	
698	S Ch CO10		-40.62	-29.48	-271.23	0.00	0.00	-0.52	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
699	S Ch CO10		-35.76	-31.95	-272.49	0.00	0.00	2.60	
700	S Ch CO10		123.01	-29.62	-278.81	0.00	0.00	3.50	
703	S Ch CO10		20.82	308.50	-319.46	0.00	0.00	0.14	
704	S Ch CO10		19.64	232.23	-323.70	0.00	0.00	-0.13	
705	S Ch CO10		29.79	-156.89	-321.34	0.00	0.00	2.03	
706	S Ch CO10		34.26	-105.23	-315.62	0.00	0.00	0.29	
709	S Ch CO10		25.89	-33.59	-309.05	0.00	0.00	-1.90	
710	S Ch CO10		81.85	30.69	-300.39	0.00	0.00	2.36	
711	S Ch CO10		129.94	31.54	-298.18	0.00	0.00	-2.12	
717	S Ch CO10		188.02	26.76	-206.56	0.00	0.00	0.02	
718	S Ch CO10		185.77	26.40	-218.05	0.00	0.00	0.22	
719	S Ch CO10		206.79	25.16	-230.89	0.00	0.00	0.11	
720	S Ch CO10		250.21	24.35	-245.40	0.00	0.00	0.18	
721	S Ch CO10		248.37	32.42	-261.25	0.00	0.00	-0.32	
747	S Ch CO10		-312.51	-5.68	-323.23	3.67	7.70	-1.15	
749	S Ch CO10		0.53	173.06	-267.81	0.00	0.00	-0.20	
750	S Ch CO10		0.45	65.09	-283.54	0.00	0.00	-0.49	
751	S Ch CO10		40.55	1.04	-237.87	0.00	0.00	0.63	
752	S Ch CO10		50.39	0.48	-254.77	0.00	0.00	-0.10	
753	S Ch CO10		39.02	-0.21	-285.14	0.00	0.00	0.18	
754	S Ch CO10		-3.68	-0.42	-295.28	0.00	0.00	-0.06	
772	S Ch CO10		37.13	57.16	-219.07	-274.40	9.76	1.49	
779	S Ch CO10		31.71	176.57	-276.62	0.00	0.00	-0.70	
783	S Ch CO10		66.32	0.19	-244.40	0.00	0.00	0.36	
785	S Ch CO10		-32.50	259.39	-280.75	0.00	0.00	-10.07	
	Total max/min values with corresponding values								
60	S Ch CO10	P_x	260.78	111.75	-253.50	-158.60	-14.51	-1.64	
747			-312.51	-5.68	-323.23	3.67	7.70	-1.15	
703		P_y	20.82	308.50	-319.46	0.00	0.00	0.14	
705			29.79	-156.89	-321.34	0.00	0.00	2.03	
343		P_z	73.42	-1.88	-182.53	-15.64	-10.30	-1.73	
468			-0.06	-5.03	-353.94	-0.63	-1.76	-0.49	
20		M_x	-96.00	-9.08	-297.21	143.57	-83.00	8.99	
772			37.13	57.16	-219.07	-274.40	9.76	1.49	
422		M_y	32.77	156.22	-249.46	-28.46	57.00	0.33	
20			-96.00	-9.08	-297.21	143.57	-83.00	8.99	
322		M_z	-45.10	269.01	-277.65	0.00	0.00	18.60	
71			10.23	287.82	-243.84	-78.34	19.63	-16.46	

	Sum of loads and sum of support forces					
	S Ch CO10		P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ			3117.55	4198.08	-47364.00	Loads
Σ			3090.19	3687.57	-20962.50	Support Forces

20	S Fr CO11		-78.36	-4.31	-263.55	120.04	-73.86	7.19	
25	S Fr CO11		-161.23	4.68	-269.03	-17.39	-36.19	-0.21	
32	S Fr CO11		3.66	-0.08	-264.64	-10.72	-27.47	-0.32	
39	S Fr CO11		55.44	41.43	-251.22	-65.21	-39.10	0.42	
45	S Fr CO11		9.71	9.61	-239.83	-26.80	-28.47	0.85	
51	S Fr CO11		165.91	89.42	-182.96	-117.58	-7.62	-0.66	
54	S Fr CO11		184.94	93.48	-192.66	-128.83	-9.73	-0.64	
57	S Fr CO11		233.28	97.23	-203.97	-141.16	-8.75	-0.88	
60	S Fr CO11		272.84	105.27	-216.46	-157.32	-4.39	-1.55	
71	S Fr CO11		-2.25	288.54	-222.81	-83.82	23.61	-15.33	
72	S Fr CO11		36.73	8.79	-229.80	-26.94	-23.36	0.00	
74	S Fr CO11		68.36	58.60	-239.11	0.00	0.00	-0.45	
99	S Fr CO11		21.29	-29.15	-252.93	0.00	0.00	-2.28	
100	S Fr CO11		90.89	12.24	-251.45	0.00	0.00	-5.87	
101	S Fr CO11		127.39	86.37	-234.23	0.00	0.00	-2.72	
135	S Fr CO11		154.40	277.17	-284.88	0.00	0.00	-0.19	
138	S Fr CO11		237.91	16.52	-262.85	0.00	0.00	0.31	
139	S Fr CO11		70.40	161.08	-260.40	0.00	0.00	-1.32	
286	S Fr CO11		-2.50	96.16	-255.18	-58.14	-4.39	-0.35	
322	S Fr CO11		-44.88	225.57	-247.13	0.00	0.00	15.61	
340	S Fr CO11		-82.23	13.61	-189.09	-23.61	4.71	2.95	
341	S Fr CO11		91.32	4.34	-182.47	-20.97	-8.39	-2.70	
342	S Fr CO11		-76.82	14.73	-174.75	-21.65	6.88	2.10	
343	S Fr CO11		73.25	-1.54	-170.26	-17.12	-9.64	-1.88	
365	S Fr CO11		-146.16	42.11	-290.18	0.00	0.00	0.24	
370	S Fr CO11		142.34	-59.90	-257.23	-133.00	0.92	-4.03	
372	S Fr CO11		-2.04	168.73	-276.32	-87.05	-5.55	0.41	
377	S Fr CO11		-3.00	-6.57	-286.35	-74.41	-9.72	1.67	
415	S Fr CO11		0.26	199.24	-196.09	-112.47	-79.64	-3.81	
417	S Fr CO11		67.80	140.55	-176.51	-82.07	-84.03	0.77	
419	S Fr CO11		-72.11	227.13	-192.67	-83.32	-61.10	-0.34	
422	S Fr CO11		28.65	138.93	-229.23	-30.55	51.57	0.40	
424	S Fr CO11		-72.50	266.64	-208.13	-84.11	-44.61	1.47	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
443	SFr CO11		88.04	227.28	-170.32	-232.31	-10.75	10.69	
445	SFr CO11		131.82	-105.75	-230.04	-191.30	-5.22	6.10	
465	SFr CO11		-6.71	2.94	-297.34	-14.94	-11.09	-0.40	
468	SFr CO11		0.09	-2.51	-314.28	-5.53	-1.15	-0.40	
542	SFr CO11		-17.88	-101.68	-261.83	0.00	0.00	0.73	
547	SFr CO11		18.35	70.43	-191.68	0.00	0.00	0.05	
548	SFr CO11		-143.41	-54.93	-215.24	0.00	0.00	5.85	
589	SFr CO11		-0.77	-4.12	-191.55	14.64	-4.66	-0.79	
593	SFr CO11		163.40	77.77	-174.28	-111.11	-5.50	-2.52	
607	SFr CO11		-0.30	-3.66	-203.11	11.49	-3.13	-0.82	
687	SFr CO11		-39.33	25.46	-203.49	0.00	0.00	-0.37	
688	SFr CO11		-28.05	-31.73	-197.93	0.00	0.00	3.76	
689	SFr CO11		-1.21	-41.78	-204.94	0.00	0.00	0.64	
690	SFr CO11		14.44	-41.92	-212.36	0.00	0.00	-0.37	
691	SFr CO11		66.59	-30.61	-219.95	0.00	0.00	-3.58	
692	SFr CO11		99.73	-11.00	-237.80	0.00	0.00	1.92	
693	SFr CO11		10.53	8.26	-247.87	0.00	0.00	-0.89	
694	SFr CO11		-12.60	-36.97	-247.92	0.00	0.00	-2.10	
695	SFr CO11		5.83	-32.16	-248.28	0.00	0.00	-0.13	
696	SFr CO11		4.13	-32.99	-248.72	0.00	0.00	-0.24	
697	SFr CO11		-17.05	-32.98	-249.29	0.00	0.00	-0.19	
698	SFr CO11		-39.30	-29.29	-249.98	0.00	0.00	-0.45	
699	SFr CO11		-35.95	-32.05	-250.86	0.00	0.00	2.60	
700	SFr CO11		111.90	-29.48	-255.98	0.00	0.00	3.40	
703	SFr CO11		20.97	283.40	-288.86	0.00	0.00	0.28	
704	SFr CO11		20.28	219.90	-290.63	0.00	0.00	-0.08	
705	SFr CO11		30.32	-106.34	-284.83	0.00	0.00	1.84	
706	SFr CO11		34.29	-67.14	-277.86	0.00	0.00	0.27	
709	SFr CO11		26.00	-18.90	-269.98	0.00	0.00	-1.92	
710	SFr CO11		99.79	30.63	-260.61	0.00	0.00	2.34	
711	SFr CO11		145.28	31.17	-258.99	0.00	0.00	-2.19	
717	SFr CO11		162.21	25.14	-178.16	0.00	0.00	0.01	
718	SFr CO11		169.93	25.13	-187.23	0.00	0.00	0.15	
719	SFr CO11		202.13	23.80	-197.69	0.00	0.00	0.20	
720	SFr CO11		247.82	22.60	-209.74	0.00	0.00	0.18	
721	SFr CO11		238.59	31.62	-222.78	0.00	0.00	-0.61	
747	SFr CO11		-254.89	-4.54	-287.45	2.08	3.68	-0.88	
749	SFr CO11		0.41	149.97	-242.16	0.00	0.00	-0.11	
750	SFr CO11		0.34	51.21	-255.12	0.00	0.00	-0.40	
751	SFr CO11		19.67	1.15	-215.43	0.00	0.00	0.59	
752	SFr CO11		36.29	0.56	-226.63	0.00	0.00	-0.05	
753	SFr CO11		33.64	-0.15	-251.15	0.00	0.00	0.22	
754	SFr CO11		3.29	-0.39	-260.12	0.00	0.00	-0.06	
772	SFr CO11		23.60	61.11	-207.46	-294.33	-2.40	1.48	
779	SFr CO11		26.89	141.24	-253.40	0.00	0.00	-1.03	
783	SFr CO11		58.34	0.22	-219.21	0.00	0.00	0.29	
785	SFr CO11		-31.80	223.55	-252.27	0.00	0.00	-8.82	
	Total max/min values with corresponding values								
60	SFr CO11	P_x	272.84	105.27	-216.46	-157.32	-4.39	-1.55	
747			-254.89	-4.54	-287.45	2.08	3.68	-0.88	
71		P_y	-2.25	288.54	-222.81	-83.82	23.61	-15.33	
705			30.32	-106.34	-284.83	0.00	0.00	1.84	
343		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	
468			0.09	-2.51	-314.28	-5.53	-1.15	-0.40	
20		M_x	-78.36	-4.31	-263.55	120.04	-73.86	7.19	
772			23.60	61.11	-207.46	-294.33	-2.40	1.48	
422		M_y	28.65	138.93	-229.23	-30.55	51.57	0.40	
417			67.80	140.55	-176.51	-82.07	-84.03	0.77	
322		M_z	-44.88	225.57	-247.13	0.00	0.00	15.61	
71			-2.25	288.54	-222.81	-83.82	23.61	-15.33	
	Sum of loads and sum of support forces								
	SFr CO11		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-44581.70	Loads			
Σ			3078.37	3668.12	-18777.20	Support Forces			
20	SFr CO12		-83.12	-4.34	-278.51	127.44	-79.52	7.33	
25	SFr CO12		-174.87	4.45	-283.51	-16.73	-41.70	-0.16	
32	SFr CO12		3.03	-0.34	-278.08	-9.98	-32.45	-0.34	
39	SFr CO12		60.16	39.62	-262.79	-61.18	-46.19	0.41	
45	SFr CO12		9.49	9.72	-249.70	-26.45	-33.19	0.90	
51	SFr CO12		157.27	89.94	-191.51	-117.60	-12.29	-0.61	
54	SFr CO12		177.92	93.23	-202.42	-127.68	-14.94	-0.62	
57	SFr CO12		230.66	97.51	-215.22	-140.49	-14.42	-0.88	
60	SFr CO12		282.54	105.63	-229.54	-156.88	-9.67	-1.58	
71	SFr CO12		0.61	298.39	-229.24	-83.72	21.87	-15.94	
72	SFr CO12		38.76	8.59	-238.09	-26.42	-28.59	0.05	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
74	SFr CO12		74.42	63.49	-249.36	0.00	0.00	-0.46	
99	SFr CO12		24.18	-28.87	-264.01	0.00	0.00	-2.39	
100	SFr CO12		98.46	12.33	-265.49	0.00	0.00	-6.28	
101	SFr CO12		138.81	89.84	-247.08	0.00	0.00	-2.51	
135	SFr CO12		159.53	291.37	-299.20	0.00	0.00	-0.21	
138	SFr CO12		248.97	22.10	-276.09	0.00	0.00	0.30	
139	SFr CO12		76.31	179.00	-272.56	0.00	0.00	-1.31	
286	SFr CO12		-2.75	94.58	-266.36	-50.77	-5.06	-0.41	
322	SFr CO12		-41.07	238.08	-261.11	0.00	0.00	16.81	
340	SFr CO12		-87.50	13.33	-195.01	-23.19	4.84	2.89	
341	SFr CO12		91.50	4.18	-188.22	-20.59	-8.68	-2.65	
342	SFr CO12		-82.58	14.71	-181.97	-21.36	7.11	2.06	
343	SFr CO12		73.66	-1.86	-177.23	-16.74	-10.08	-1.84	
365	SFr CO12		-164.91	30.19	-306.72	0.00	0.00	0.13	
370	SFr CO12		135.71	-77.69	-272.90	-136.19	-3.77	-4.10	
372	SFr CO12		-2.32	160.96	-293.42	-87.63	-6.46	0.40	
377	SFr CO12		-3.35	-16.24	-303.22	-71.41	-10.74	1.81	
415	SFr CO12		-3.70	198.62	-202.83	-111.22	-80.06	-3.85	
417	SFr CO12		64.80	133.50	-183.27	-81.03	-84.63	0.87	
419	SFr CO12		-72.17	218.51	-199.40	-82.21	-61.41	-0.37	
422	SFr CO12		30.31	149.36	-235.48	-30.43	54.29	0.43	
424	SFr CO12		-73.10	265.12	-214.78	-83.44	-45.50	1.68	
443	SFr CO12		84.90	224.23	-177.33	-230.03	-14.46	10.52	
445	SFr CO12		136.85	-123.96	-245.58	-188.81	-10.12	6.09	
465	SFr CO12		-7.53	1.66	-314.69	-12.96	-12.59	-0.43	
468	SFr CO12		0.00	-4.30	-332.84	-2.71	-1.60	-0.43	
542	SFr CO12		-24.28	-107.47	-279.13	0.00	0.00	0.75	
547	SFr CO12		16.18	72.89	-193.73	0.00	0.00	0.05	
548	SFr CO12		-150.87	-54.80	-220.56	0.00	0.00	6.19	
589	SFr CO12		-0.94	-4.37	-193.79	15.84	-5.41	-0.83	
593	SFr CO12		156.84	78.57	-181.81	-111.68	-9.57	-2.54	
607	SFr CO12		-0.16	-3.89	-207.63	12.55	-2.89	-0.87	
687	SFr CO12		-40.46	29.60	-207.18	0.00	0.00	-0.34	
688	SFr CO12		-31.50	-32.00	-200.57	0.00	0.00	3.72	
689	SFr CO12		-1.80	-41.82	-208.25	0.00	0.00	0.61	
690	SFr CO12		16.64	-41.94	-216.40	0.00	0.00	-0.38	
691	SFr CO12		73.36	-30.56	-224.76	0.00	0.00	-3.61	
692	SFr CO12		113.25	-10.73	-244.56	0.00	0.00	2.10	
693	SFr CO12		13.31	10.16	-256.16	0.00	0.00	-0.98	
694	SFr CO12		-10.40	-37.28	-256.63	0.00	0.00	-2.25	
695	SFr CO12		7.55	-32.16	-257.42	0.00	0.00	-0.14	
696	SFr CO12		3.03	-33.08	-258.27	0.00	0.00	-0.24	
697	SFr CO12		-21.52	-33.14	-259.20	0.00	0.00	-0.19	
698	SFr CO12		-46.46	-29.40	-260.23	0.00	0.00	-0.49	
699	SFr CO12		-41.17	-32.00	-261.45	0.00	0.00	2.61	
700	SFr CO12		117.37	-29.45	-267.54	0.00	0.00	3.50	
703	SFr CO12		20.77	297.05	-304.10	0.00	0.00	0.22	
704	SFr CO12		19.91	225.10	-306.63	0.00	0.00	-0.10	
705	SFr CO12		30.05	-129.95	-301.60	0.00	0.00	1.94	
706	SFr CO12		34.28	-84.62	-294.78	0.00	0.00	0.28	
709	SFr CO12		25.94	-25.81	-287.07	0.00	0.00	-1.91	
710	SFr CO12		93.31	30.67	-277.35	0.00	0.00	2.35	
711	SFr CO12		141.38	31.29	-275.18	0.00	0.00	-2.19	
717	SFr CO12		161.24	25.31	-186.17	0.00	0.00	0.01	
718	SFr CO12		170.35	25.28	-196.34	0.00	0.00	0.15	
719	SFr CO12		205.81	23.99	-208.14	0.00	0.00	0.19	
720	SFr CO12		258.04	22.81	-221.84	0.00	0.00	0.19	
721	SFr CO12		261.96	31.63	-237.04	0.00	0.00	-0.56	
747	SFr CO12		-282.00	-5.04	-303.99	2.67	3.66	-0.99	
749	SFr CO12		0.50	159.51	-250.68	0.00	0.00	-0.18	
750	SFr CO12		0.42	52.86	-265.70	0.00	0.00	-0.47	
751	SFr CO12		25.20	1.17	-222.34	0.00	0.00	0.61	
752	SFr CO12		40.31	0.57	-235.39	0.00	0.00	-0.06	
753	SFr CO12		37.79	-0.17	-263.35	0.00	0.00	0.21	
754	SFr CO12		3.09	-0.41	-273.74	0.00	0.00	-0.06	
772	SFr CO12		32.00	60.61	-215.37	-291.93	3.48	1.47	
779	SFr CO12		29.77	162.20	-264.99	0.00	0.00	-0.64	
783	SFr CO12		60.39	0.19	-231.08	0.00	0.00	0.33	
785	SFr CO12		-34.44	239.95	-265.80	0.00	0.00	-9.70	
	Total max/min values with corresponding values								
60	SFr CO12	P_x	282.54	105.63	-229.54	-156.88	-9.67	-1.58	
747			-282.00	-5.04	-303.99	2.67	3.66	-0.99	
71		P_y	0.61	298.39	-229.24	-83.72	21.87	-15.94	
705			30.05	-129.95	-301.60	0.00	0.00	1.94	
343		P_z	73.66	-1.86	-177.23	-16.74	-10.08	-1.84	
468			0.00	-4.30	-332.84	-2.71	-1.60	-0.43	
20		M_x	-83.12	-4.34	-278.51	127.44	-79.52	7.33	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
772		M_x	32.00	60.61	-215.37	-291.93	3.48	1.47	
422		M_y	30.31	149.36	-235.48	-30.43	54.29	0.43	
417			64.80	133.50	-183.27	-81.03	-84.63	0.87	
322		M_z	-41.07	238.08	-261.11	0.00	0.00	16.81	
71			0.61	298.39	-229.24	-83.72	21.87	-15.94	
	Sum of loads and sum of support forces								
	S Fr CO12		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-45780.90	Loads			
Σ			3083.92	3675.92	-19628.70	Support Forces			
20	S Fr CO13		-85.29	-5.27	-281.04	130.07	-79.74	7.65	
25	S Fr CO13		-177.71	4.36	-286.71	-16.38	-41.27	-0.13	
32	S Fr CO13		2.53	-0.41	-281.56	-9.65	-32.02	-0.35	
39	S Fr CO13		60.40	39.87	-266.23	-58.24	-46.19	0.39	
45	S Fr CO13		9.93	9.66	-253.17	-26.06	-33.46	0.91	
51	S Fr CO13		161.79	90.96	-195.13	-117.92	-12.22	-0.59	
54	S Fr CO13		179.05	93.09	-206.16	-126.66	-15.08	-0.61	
57	S Fr CO13		228.59	98.37	-219.01	-140.46	-14.73	-0.89	
60	S Fr CO13		277.43	106.81	-233.31	-157.21	-10.18	-1.59	
71	S Fr CO13		2.35	295.48	-231.67	-82.59	21.62	-15.99	
72	S Fr CO13		40.58	8.10	-241.23	-25.53	-29.56	0.06	
74	S Fr CO13		74.67	63.93	-252.74	0.00	0.00	-0.46	
99	S Fr CO13		25.33	-28.94	-265.34	0.00	0.00	-2.38	
100	S Fr CO13		97.62	12.53	-268.02	0.00	0.00	-6.25	
101	S Fr CO13		139.14	90.71	-249.22	0.00	0.00	-2.62	
135	S Fr CO13		160.44	292.80	-300.73	0.00	0.00	-0.20	
138	S Fr CO13		250.24	22.11	-277.64	0.00	0.00	0.30	
139	S Fr CO13		76.34	179.25	-273.86	0.00	0.00	-1.32	
286	S Fr CO13		-2.71	95.59	-269.45	-45.83	-4.99	-0.42	
322	S Fr CO13		-42.17	243.26	-263.30	0.00	0.00	17.07	
340	S Fr CO13		-88.82	13.43	-196.03	-23.35	4.88	2.93	
341	S Fr CO13		91.15	4.53	-189.28	-20.81	-8.70	-2.69	
342	S Fr CO13		-83.09	14.59	-182.47	-21.14	7.15	2.04	
343	S Fr CO13		73.61	-1.84	-177.76	-16.56	-10.09	-1.83	
365	S Fr CO13		-167.15	28.92	-309.09	0.00	0.00	0.12	
370	S Fr CO13		134.82	-77.66	-276.26	-134.81	-3.77	-4.06	
372	S Fr CO13		-2.36	159.08	-296.58	-86.11	-6.50	0.40	
377	S Fr CO13		-3.41	-21.07	-306.08	-69.60	-10.74	1.85	
415	S Fr CO13		-4.04	203.13	-205.62	-110.27	-79.07	-3.83	
417	S Fr CO13		64.46	131.53	-186.29	-80.10	-83.72	0.94	
419	S Fr CO13		-72.44	214.90	-202.20	-81.06	-61.36	-0.34	
422	S Fr CO13		30.69	149.92	-237.79	-30.02	54.64	0.40	
424	S Fr CO13		-73.55	259.24	-217.39	-82.14	-45.77	1.67	
443	S Fr CO13		90.34	228.68	-180.62	-227.80	-14.32	10.32	
445	S Fr CO13		133.70	-124.91	-249.27	-186.23	-10.37	6.04	
465	S Fr CO13		-7.54	1.66	-317.25	-12.81	-12.59	-0.44	
468	S Fr CO13		0.00	-4.31	-335.58	-2.52	-1.59	-0.44	
542	S Fr CO13		-25.65	-108.36	-282.37	0.00	0.00	0.75	
547	S Fr CO13		16.94	73.41	-195.31	0.00	0.00	0.05	
548	S Fr CO13		-151.70	-55.30	-222.74	0.00	0.00	6.23	
589	S Fr CO13		-0.86	-4.43	-197.71	16.12	-5.11	-0.82	
593	S Fr CO13		164.09	79.55	-185.23	-111.94	-9.35	-2.58	
607	S Fr CO13		-0.21	-3.96	-211.36	12.88	-3.02	-0.86	
687	S Fr CO13		-40.57	30.14	-209.06	0.00	0.00	-0.34	
688	S Fr CO13		-30.67	-32.01	-202.20	0.00	0.00	3.72	
689	S Fr CO13		-1.27	-41.82	-209.94	0.00	0.00	0.61	
690	S Fr CO13		16.77	-41.94	-218.14	0.00	0.00	-0.38	
691	S Fr CO13		74.20	-30.60	-226.55	0.00	0.00	-3.59	
692	S Fr CO13		112.26	-10.68	-246.42	0.00	0.00	2.17	
693	S Fr CO13		11.36	11.00	-257.85	0.00	0.00	-1.02	
694	S Fr CO13		-12.57	-37.37	-258.23	0.00	0.00	-2.30	
695	S Fr CO13		6.41	-32.13	-258.93	0.00	0.00	-0.14	
696	S Fr CO13		3.24	-33.07	-259.71	0.00	0.00	-0.24	
697	S Fr CO13		-20.19	-33.14	-260.60	0.00	0.00	-0.19	
698	S Fr CO13		-44.70	-29.41	-261.60	0.00	0.00	-0.49	
699	S Fr CO13		-39.65	-32.00	-262.80	0.00	0.00	2.61	
700	S Fr CO13		118.07	-29.49	-268.85	0.00	0.00	3.49	
703	S Fr CO13		20.80	298.22	-305.94	0.00	0.00	0.21	
704	S Fr CO13		19.89	226.07	-308.75	0.00	0.00	-0.10	
705	S Fr CO13		30.02	-133.48	-304.20	0.00	0.00	1.95	
706	S Fr CO13		34.27	-87.36	-297.59	0.00	0.00	0.28	
709	S Fr CO13		25.94	-26.81	-290.10	0.00	0.00	-1.91	
710	S Fr CO13		91.57	30.67	-280.62	0.00	0.00	2.35	
711	S Fr CO13		139.43	31.33	-278.49	0.00	0.00	-2.18	
717	S Fr CO13		166.37	25.59	-189.68	0.00	0.00	0.01	
718	S Fr CO13		173.14	25.50	-200.02	0.00	0.00	0.17	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
719	SFr CO13		205.53	24.21	-211.90	0.00	0.00	0.17	
720	SFr CO13		255.56	23.11	-225.61	0.00	0.00	0.19	
721	SFr CO13		257.39	31.79	-240.76	0.00	0.00	-0.51	
747	SFr CO13		-285.84	-5.13	-306.51	2.82	4.49	-1.01	
749	SFr CO13		0.50	161.47	-253.43	0.00	0.00	-0.18	
750	SFr CO13		0.42	55.17	-268.43	0.00	0.00	-0.47	
751	SFr CO13		27.85	1.14	-224.91	0.00	0.00	0.62	
752	SFr CO13		42.06	0.55	-238.58	0.00	0.00	-0.07	
753	SFr CO13		37.76	-0.18	-266.74	0.00	0.00	0.21	
754	SFr CO13		1.80	-0.41	-276.96	0.00	0.00	-0.06	
772	SFr CO13		32.37	59.94	-215.49	-288.51	4.35	1.47	
779	SFr CO13		29.93	163.37	-266.38	0.00	0.00	-0.68	
783	SFr CO13		61.42	0.19	-232.79	0.00	0.00	0.33	
785	SFr CO13		-33.82	242.49	-267.70	0.00	0.00	-9.70	
	Total max/min values with corresponding values								
60	SFr CO13	P_x	277.43	106.81	-233.31	-157.21	-10.18	-1.59	
747			-285.84	-5.13	-306.51	2.82	4.49	-1.01	
703		P_y	20.80	298.22	-305.94	0.00	0.00	0.21	
705			30.02	-133.48	-304.20	0.00	0.00	1.95	
343		P_z	73.61	-1.84	-177.76	-16.56	-10.09	-1.83	
468			0.00	-4.31	-335.58	-2.52	-1.59	-0.44	
20		M_x	-85.29	-5.27	-281.04	130.07	-79.74	7.65	
772			32.37	59.94	-215.49	-288.51	4.35	1.47	
422		M_y	30.69	149.92	-237.79	-30.02	54.64	0.40	
417			64.46	131.53	-186.29	-80.10	-83.72	0.94	
322		M_z	-42.17	243.26	-263.30	0.00	0.00	17.07	
71			2.35	295.48	-231.67	-82.59	21.62	-15.99	

	Sum of loads and sum of support forces				
	SFr CO13	P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ		3117.55	4198.08	-46001.60	Loads
Σ		3084.54	3677.89	-19828.30	Support Forces

20	SFr CO14		-83.79	-6.64	-269.91	126.67	-74.42	8.00	
25	SFr CO14		-168.34	4.47	-277.06	-16.51	-35.13	-0.14	
32	SFr CO14		2.40	-0.26	-273.36	-9.88	-26.41	-0.34	
39	SFr CO14		56.01	42.04	-259.83	-57.81	-39.11	0.38	
45	SFr CO14		10.79	9.45	-248.53	-25.81	-29.18	0.89	
51	SFr CO14		177.25	91.93	-192.11	-118.27	-7.48	-0.60	
54	SFr CO14		188.08	93.11	-202.14	-126.18	-10.05	-0.61	
57	SFr CO14		228.68	99.38	-213.58	-141.05	-9.50	-0.90	
60	SFr CO14		260.33	108.22	-226.04	-158.14	-5.61	-1.58	
71	SFr CO14		2.07	281.16	-228.89	-80.90	22.95	-15.47	
72	SFr CO14		41.25	7.57	-237.64	-24.69	-25.81	0.03	
74	SFr CO14		68.98	59.68	-247.56	0.00	0.00	-0.44	
99	SFr CO14		24.12	-29.32	-256.25	0.00	0.00	-2.24	
100	SFr CO14		88.80	12.75	-257.81	0.00	0.00	-5.80	
101	SFr CO14		128.24	88.56	-239.60	0.00	0.00	-2.98	
135	SFr CO14		156.62	280.71	-288.69	0.00	0.00	-0.19	
138	SFr CO14		241.03	16.52	-266.71	0.00	0.00	0.30	
139	SFr CO14		70.44	161.66	-263.63	0.00	0.00	-1.33	
286	SFr CO14		-2.42	98.68	-262.91	-45.71	-4.22	-0.37	
322	SFr CO14		-47.63	238.60	-252.60	0.00	0.00	16.27	
340	SFr CO14		-85.57	13.86	-191.67	-24.00	4.82	3.05	
341	SFr CO14		90.43	5.23	-185.14	-21.53	-8.46	-2.82	
342	SFr CO14		-78.10	14.41	-176.03	-21.09	6.97	2.05	
343	SFr CO14		73.12	-1.48	-171.61	-16.66	-9.67	-1.84	
365	SFr CO14		-151.78	38.89	-296.13	0.00	0.00	0.20	
370	SFr CO14		140.04	-59.50	-265.73	-129.43	0.95	-3.93	
372	SFr CO14		-2.13	164.14	-284.28	-83.13	-5.65	0.42	
377	SFr CO14		-3.14	-18.65	-293.56	-69.78	-9.72	1.75	
415	SFr CO14		-0.56	210.75	-203.14	-110.04	-77.17	-3.76	
417	SFr CO14		66.97	135.58	-184.13	-79.65	-81.77	0.95	
419	SFr CO14		-72.77	218.11	-199.72	-80.37	-60.98	-0.27	
422	SFr CO14		29.58	140.32	-235.01	-29.48	52.43	0.33	
424	SFr CO14		-73.61	251.85	-214.68	-80.78	-45.29	1.45	
443	SFr CO14		101.66	238.47	-178.64	-226.60	-10.45	10.20	
445	SFr CO14		123.50	-107.87	-239.39	-184.77	-5.86	5.96	
465	SFr CO14		-6.74	2.96	-303.75	-14.55	-11.10	-0.42	
468	SFr CO14		0.08	-2.52	-321.12	-5.03	-1.13	-0.43	
542	SFr CO14		-21.38	-103.88	-270.01	0.00	0.00	0.74	
547	SFr CO14		20.24	71.71	-195.63	0.00	0.00	0.05	
548	SFr CO14		-145.47	-56.18	-220.67	0.00	0.00	5.95	
589	SFr CO14		-0.57	-4.26	-201.35	15.33	-3.93	-0.77	
593	SFr CO14		181.42	80.18	-182.95	-111.66	-5.01	-2.62	
607	SFr CO14		-0.42	-3.83	-212.45	12.31	-3.46	-0.81	
687	SFr CO14		-39.60	26.78	-208.18	0.00	0.00	-0.37	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
688	SFr CO14		-25.97	-31.75	-202.01	0.00	0.00	3.77	
689	SFr CO14		0.13	-41.78	-209.16	0.00	0.00	0.65	
690	SFr CO14		14.76	-41.92	-216.70	0.00	0.00	-0.35	
691	SFr CO14		68.69	-30.70	-224.41	0.00	0.00	-3.53	
692	SFr CO14		97.23	-10.88	-242.42	0.00	0.00	2.11	
693	SFr CO14		5.66	10.35	-252.09	0.00	0.00	-1.01	
694	SFr CO14		-18.02	-37.18	-251.90	0.00	0.00	-2.22	
695	SFr CO14		2.99	-32.09	-252.05	0.00	0.00	-0.14	
696	SFr CO14		4.63	-32.98	-252.33	0.00	0.00	-0.24	
697	SFr CO14		-13.74	-33.00	-252.78	0.00	0.00	-0.19	
698	SFr CO14		-34.92	-29.31	-253.40	0.00	0.00	-0.46	
699	SFr CO14		-32.19	-32.03	-254.23	0.00	0.00	2.60	
700	SFr CO14		113.60	-29.56	-259.26	0.00	0.00	3.38	
703	SFr CO14		21.03	286.26	-293.45	0.00	0.00	0.25	
704	SFr CO14		20.22	222.28	-295.94	0.00	0.00	-0.09	
705	SFr CO14		30.25	-115.17	-291.36	0.00	0.00	1.87	
706	SFr CO14		34.28	-73.93	-284.93	0.00	0.00	0.27	
709	SFr CO14		25.99	-21.29	-277.61	0.00	0.00	-1.91	
710	SFr CO14		95.33	30.63	-268.88	0.00	0.00	2.34	
711	SFr CO14		140.25	31.27	-267.35	0.00	0.00	-2.16	
717	SFr CO14		175.02	25.85	-187.06	0.00	0.00	0.01	
718	SFr CO14		177.06	25.68	-196.55	0.00	0.00	0.19	
719	SFr CO14		201.77	24.37	-207.23	0.00	0.00	0.16	
720	SFr CO14		242.10	23.34	-219.33	0.00	0.00	0.18	
721	SFr CO14		226.57	32.02	-232.22	0.00	0.00	-0.50	
747	SFr CO14		-264.57	-4.77	-293.77	2.47	5.76	-0.94	
749	SFr CO14		0.41	154.84	-249.03	0.00	0.00	-0.11	
750	SFr CO14		0.34	57.00	-261.94	0.00	0.00	-0.40	
751	SFr CO14		26.29	1.08	-221.86	0.00	0.00	0.60	
752	SFr CO14		40.64	0.51	-234.61	0.00	0.00	-0.07	
753	SFr CO14		33.54	-0.16	-259.62	0.00	0.00	0.21	
754	SFr CO14		0.08	-0.40	-268.18	0.00	0.00	-0.06	
772	SFr CO14		24.55	59.40	-207.72	-285.67	-0.15	1.49	
779	SFr CO14		27.28	144.16	-256.86	0.00	0.00	-1.13	
783	SFr CO14		60.91	0.23	-223.50	0.00	0.00	0.29	
785	SFr CO14		-30.27	229.86	-257.02	0.00	0.00	-8.82	
	Total max/min values with corresponding values								
60	SFr CO14	P_x	260.33	108.22	-226.04	-158.14	-5.61	-1.58	
747			-264.57	-4.77	-293.77	2.47	5.76	-0.94	
703		P_y	21.03	286.26	-293.45	0.00	0.00	0.25	
705			30.25	-115.17	-291.36	0.00	0.00	1.87	
343		P_z	73.12	-1.48	-171.61	-16.66	-9.67	-1.84	
468			0.08	-2.52	-321.12	-5.03	-1.13	-0.43	
20		M_x	-83.79	-6.64	-269.91	126.67	-74.42	8.00	
772			24.55	59.40	-207.72	-285.67	-0.15	1.49	
422		M_y	29.58	140.32	-235.01	-29.48	52.43	0.33	
417			66.97	135.58	-184.13	-79.65	-81.77	0.95	
322		M_z	-47.63	238.60	-252.60	0.00	0.00	16.27	
71			2.07	281.16	-228.89	-80.90	22.95	-15.47	
	Sum of loads and sum of support forces								
	SFr CO14		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-45133.40	Loads			
Σ			3080.03	3673.54	-19278.60	Support Forces			
20	SFr CO15		-86.63	-6.66	-278.87	131.08	-77.81	8.08	
25	SFr CO15		-176.53	4.33	-285.74	-16.12	-38.43	-0.11	
32	SFr CO15		2.03	-0.41	-281.41	-9.44	-29.39	-0.35	
39	SFr CO15		58.85	40.97	-266.76	-55.43	-43.36	0.38	
45	SFr CO15		10.66	9.52	-254.44	-25.61	-32.00	0.92	
51	SFr CO15		172.07	92.27	-197.17	-118.35	-10.26	-0.57	
54	SFr CO15		183.70	92.98	-207.92	-125.55	-13.19	-0.60	
57	SFr CO15		226.78	99.55	-220.24	-140.67	-12.93	-0.91	
60	SFr CO15		265.99	108.44	-233.80	-157.89	-8.81	-1.60	
71	SFr CO15		3.80	287.13	-232.74	-80.90	21.92	-15.83	
72	SFr CO15		42.48	7.45	-242.61	-24.39	-28.94	0.06	
74	SFr CO15		72.62	62.62	-253.70	0.00	0.00	-0.44	
99	SFr CO15		25.87	-29.16	-262.90	0.00	0.00	-2.31	
100	SFr CO15		93.33	12.81	-266.22	0.00	0.00	-6.04	
101	SFr CO15		135.08	90.63	-247.30	0.00	0.00	-2.85	
135	SFr CO15		159.73	289.25	-297.29	0.00	0.00	-0.19	
138	SFr CO15		247.70	19.88	-274.66	0.00	0.00	0.30	
139	SFr CO15		74.00	172.45	-270.93	0.00	0.00	-1.32	
286	SFr CO15		-2.57	97.74	-269.61	-41.35	-4.62	-0.41	
322	SFr CO15		-45.35	246.06	-260.98	0.00	0.00	16.99	
340	SFr CO15		-88.71	13.70	-195.21	-23.75	4.90	3.01	
341	SFr CO15		90.56	5.12	-188.58	-21.31	-8.63	-2.78	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
342	S Fr CO15		-81.55	14.38	-180.34	-20.90	7.12	2.03	
343	S Fr CO15		73.35	-1.67	-175.77	-16.43	-9.93	-1.81	
365	S Fr CO15		-163.02	31.76	-306.04	0.00	0.00	0.14	
370	S Fr CO15		136.11	-70.36	-275.07	-131.41	-1.87	-3.97	
372	S Fr CO15		-2.30	159.42	-294.50	-83.55	-6.19	0.41	
377	S Fr CO15		-3.35	-24.44	-303.65	-68.04	-10.33	1.84	
415	S Fr CO15		-2.96	210.22	-207.14	-109.32	-77.42	-3.79	
417	S Fr CO15		65.16	131.37	-188.14	-79.08	-82.12	1.01	
419	S Fr CO15		-72.81	212.93	-203.73	-79.75	-61.16	-0.29	
422	S Fr CO15		30.58	146.58	-238.76	-29.44	54.06	0.35	
424	S Fr CO15		-73.97	250.98	-218.65	-80.43	-45.83	1.58	
443	S Fr CO15		99.76	236.58	-182.79	-225.32	-12.65	10.10	
445	S Fr CO15		126.79	-118.94	-248.64	-183.33	-8.80	5.96	
465	S Fr CO15		-7.23	2.19	-314.15	-13.37	-12.00	-0.44	
468	S Fr CO15		0.03	-3.60	-332.25	-3.35	-1.40	-0.45	
542	S Fr CO15		-25.18	-107.37	-280.34	0.00	0.00	0.75	
547	S Fr CO15		18.94	73.19	-196.86	0.00	0.00	0.05	
548	S Fr CO15		-149.96	-56.10	-223.87	0.00	0.00	6.16	
589	S Fr CO15		-0.67	-4.41	-202.70	16.05	-4.37	-0.80	
593	S Fr CO15		177.56	80.69	-187.39	-112.06	-7.42	-2.63	
607	S Fr CO15		-0.34	-3.97	-215.16	12.95	-3.31	-0.84	
687	S Fr CO15		-40.28	29.27	-210.40	0.00	0.00	-0.35	
688	S Fr CO15		-28.04	-31.92	-203.59	0.00	0.00	3.75	
689	S Fr CO15		-0.23	-41.81	-211.15	0.00	0.00	0.63	
690	S Fr CO15		16.09	-41.93	-219.13	0.00	0.00	-0.36	
691	S Fr CO15		72.76	-30.67	-227.30	0.00	0.00	-3.55	
692	S Fr CO15		105.35	-10.72	-246.49	0.00	0.00	2.22	
693	S Fr CO15		7.32	11.49	-257.07	0.00	0.00	-1.06	
694	S Fr CO15		-16.70	-37.37	-257.14	0.00	0.00	-2.31	
695	S Fr CO15		4.02	-32.10	-257.54	0.00	0.00	-0.14	
696	S Fr CO15		3.98	-33.03	-258.06	0.00	0.00	-0.25	
697	S Fr CO15		-16.42	-33.09	-258.74	0.00	0.00	-0.19	
698	S Fr CO15		-39.21	-29.38	-259.56	0.00	0.00	-0.48	
699	S Fr CO15		-35.31	-32.01	-260.59	0.00	0.00	2.60	
700	S Fr CO15		116.91	-29.55	-266.20	0.00	0.00	3.44	
703	S Fr CO15		20.92	294.49	-302.59	0.00	0.00	0.21	
704	S Fr CO15		20.00	225.42	-305.53	0.00	0.00	-0.10	
705	S Fr CO15		30.09	-129.33	-301.40	0.00	0.00	1.93	
706	S Fr CO15		34.27	-84.45	-295.05	0.00	0.00	0.28	
709	S Fr CO15		25.95	-25.50	-287.82	0.00	0.00	-1.91	
710	S Fr CO15		91.50	30.66	-278.87	0.00	0.00	2.35	
711	S Fr CO15		138.00	31.34	-277.01	0.00	0.00	-2.16	
717	S Fr CO15		174.47	25.94	-191.80	0.00	0.00	0.01	
718	S Fr CO15		177.23	25.77	-201.93	0.00	0.00	0.19	
719	S Fr CO15		203.79	24.48	-213.42	0.00	0.00	0.15	
720	S Fr CO15		247.95	23.47	-226.50	0.00	0.00	0.18	
721	S Fr CO15		240.94	32.03	-240.70	0.00	0.00	-0.47	
747	S Fr CO15		-280.80	-5.06	-303.68	2.82	5.74	-1.00	
749	S Fr CO15		0.46	160.58	-254.14	0.00	0.00	-0.15	
750	S Fr CO15		0.39	57.98	-268.28	0.00	0.00	-0.44	
751	S Fr CO15		29.61	1.09	-226.00	0.00	0.00	0.61	
752	S Fr CO15		43.06	0.52	-239.85	0.00	0.00	-0.08	
753	S Fr CO15		36.03	-0.18	-266.93	0.00	0.00	0.20	
754	S Fr CO15		-0.05	-0.41	-276.34	0.00	0.00	-0.06	
772	S Fr CO15		29.57	59.12	-212.50	-284.31	3.33	1.48	
779	S Fr CO15		29.01	156.74	-263.82	0.00	0.00	-0.90	
783	S Fr CO15		62.14	0.21	-230.62	0.00	0.00	0.32	
785	S Fr CO15		-31.85	239.72	-265.14	0.00	0.00	-9.35	
	Total max/min values with corresponding values								
60	S Fr CO15	P_x	265.99	108.44	-233.80	-157.89	-8.81	-1.60	
747			-280.80	-5.06	-303.68	2.82	5.74	-1.00	
703		P_y	20.92	294.49	-302.59	0.00	0.00	0.21	
705			30.09	-129.33	-301.40	0.00	0.00	1.93	
343		P_z	73.35	-1.67	-175.77	-16.43	-9.93	-1.81	
468			0.03	-3.60	-332.25	-3.35	-1.40	-0.45	
20		M_x	-86.63	-6.66	-278.87	131.08	-77.81	8.08	
772			29.57	59.12	-212.50	-284.31	3.33	1.48	
422		M_y	30.58	146.58	-238.76	-29.44	54.06	0.35	
417			65.16	131.37	-188.14	-79.08	-82.12	1.01	
322		M_z	-45.35	246.06	-260.98	0.00	0.00	16.99	
71			3.80	287.13	-232.74	-80.90	21.92	-15.83	

	Sum of loads and sum of support forces				
	S Fr CO15	P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ		3117.55	4198.08	-45852.90	Loads
Σ		3083.30	3677.91	-19787.90	Support Forces

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
20	SLS CO16		-78.36	-4.31	-263.55	120.04	-73.86	7.19	
25	SLS CO16		-161.23	4.68	-269.03	-17.39	-36.19	-0.21	
32	SLS CO16		3.66	-0.08	-264.64	-10.72	-27.47	-0.32	
39	SLS CO16		55.44	41.43	-251.22	-65.21	-39.10	0.42	
45	SLS CO16		9.71	9.61	-239.83	-26.80	-28.47	0.85	
51	SLS CO16		165.91	89.42	-182.96	-117.58	-7.62	-0.66	
54	SLS CO16		184.94	93.48	-192.66	-128.83	-9.73	-0.64	
57	SLS CO16		233.28	97.23	-203.97	-141.16	-8.75	-0.88	
60	SLS CO16		272.84	105.27	-216.46	-157.32	-4.39	-1.55	
71	SLS CO16		-2.25	288.54	-222.81	-83.82	23.61	-15.33	
72	SLS CO16		36.73	8.79	-229.80	-26.94	-23.36	0.00	
74	SLS CO16		68.36	58.60	-239.11	0.00	0.00	-0.45	
99	SLS CO16		21.29	-29.15	-252.93	0.00	0.00	-2.28	
100	SLS CO16		90.89	12.24	-251.45	0.00	0.00	-5.87	
101	SLS CO16		127.39	86.37	-234.23	0.00	0.00	-2.72	
135	SLS CO16		154.40	277.17	-284.88	0.00	0.00	-0.19	
138	SLS CO16		237.91	16.52	-262.85	0.00	0.00	0.31	
139	SLS CO16		70.40	161.08	-260.40	0.00	0.00	-1.32	
286	SLS CO16		-2.50	96.16	-255.18	-58.14	-4.39	-0.35	
322	SLS CO16		-44.88	225.57	-247.13	0.00	0.00	15.61	
340	SLS CO16		-82.23	13.61	-189.09	-23.61	4.71	2.95	
341	SLS CO16		91.32	4.34	-182.47	-20.97	-8.39	-2.70	
342	SLS CO16		-76.82	14.73	-174.75	-21.65	6.88	2.10	
343	SLS CO16		73.25	-1.54	-170.26	-17.12	-9.64	-1.88	
365	SLS CO16		-146.16	42.11	-290.18	0.00	0.00	0.24	
370	SLS CO16		142.34	-59.90	-257.23	-133.00	0.92	-4.03	
372	SLS CO16		-2.04	168.73	-276.32	-87.05	-5.55	0.41	
377	SLS CO16		-3.00	-6.57	-286.35	-74.41	-9.72	1.67	
415	SLS CO16		0.26	199.24	-196.09	-112.47	-79.64	-3.81	
417	SLS CO16		67.80	140.55	-176.51	-82.07	-84.03	0.77	
419	SLS CO16		-72.11	227.13	-192.67	-83.32	-61.10	-0.34	
422	SLS CO16		28.65	138.93	-229.23	-30.55	51.57	0.40	
424	SLS CO16		-72.50	266.64	-208.13	-84.11	-44.61	1.47	
443	SLS CO16		88.04	227.28	-170.32	-232.31	-10.75	10.69	
445	SLS CO16		131.82	-105.75	-230.04	-191.30	-5.22	6.10	
465	SLS CO16		-6.71	2.94	-297.34	-14.94	-11.09	-0.40	
468	SLS CO16		0.09	-2.51	-314.28	-5.53	-1.15	-0.40	
542	SLS CO16		-17.88	-101.68	-261.83	0.00	0.00	0.73	
547	SLS CO16		18.35	70.43	-191.68	0.00	0.00	0.05	
548	SLS CO16		-143.41	-54.93	-215.24	0.00	0.00	5.85	
589	SLS CO16		-0.77	-4.12	-191.55	14.64	-4.66	-0.79	
593	SLS CO16		163.40	77.77	-174.28	-111.11	-5.50	-2.52	
607	SLS CO16		-0.30	-3.66	-203.11	11.49	-3.13	-0.82	
687	SLS CO16		-39.33	25.46	-203.49	0.00	0.00	-0.37	
688	SLS CO16		-28.05	-31.73	-197.93	0.00	0.00	3.76	
689	SLS CO16		-1.21	-41.78	-204.94	0.00	0.00	0.64	
690	SLS CO16		14.44	-41.92	-212.36	0.00	0.00	-0.37	
691	SLS CO16		66.59	-30.61	-219.95	0.00	0.00	-3.58	
692	SLS CO16		99.73	-11.00	-237.80	0.00	0.00	1.92	
693	SLS CO16		10.53	8.26	-247.87	0.00	0.00	-0.89	
694	SLS CO16		-12.60	-36.97	-247.92	0.00	0.00	-2.10	
695	SLS CO16		5.83	-32.16	-248.28	0.00	0.00	-0.13	
696	SLS CO16		4.13	-32.99	-248.72	0.00	0.00	-0.24	
697	SLS CO16		-17.05	-32.98	-249.29	0.00	0.00	-0.19	
698	SLS CO16		-39.30	-29.29	-249.98	0.00	0.00	-0.45	
699	SLS CO16		-35.95	-32.05	-250.86	0.00	0.00	2.60	
700	SLS CO16		111.90	-29.48	-255.98	0.00	0.00	3.40	
703	SLS CO16		20.97	283.40	-288.86	0.00	0.00	0.28	
704	SLS CO16		20.28	219.90	-290.63	0.00	0.00	-0.08	
705	SLS CO16		30.32	-106.34	-284.83	0.00	0.00	1.84	
706	SLS CO16		34.29	-67.14	-277.86	0.00	0.00	0.27	
709	SLS CO16		26.00	-18.90	-269.98	0.00	0.00	-1.92	
710	SLS CO16		99.79	30.63	-260.61	0.00	0.00	2.34	
711	SLS CO16		145.28	31.17	-258.99	0.00	0.00	-2.19	
717	SLS CO16		162.21	25.14	-178.16	0.00	0.00	0.01	
718	SLS CO16		169.93	25.13	-187.23	0.00	0.00	0.15	
719	SLS CO16		202.13	23.80	-197.69	0.00	0.00	0.20	
720	SLS CO16		247.82	22.60	-209.74	0.00	0.00	0.18	
721	SLS CO16		238.59	31.62	-222.78	0.00	0.00	-0.61	
747	SLS CO16		-254.89	-4.54	-287.45	2.08	3.68	-0.88	
749	SLS CO16		0.41	149.97	-242.16	0.00	0.00	-0.11	
750	SLS CO16		0.34	51.21	-255.12	0.00	0.00	-0.40	
751	SLS CO16		19.67	1.15	-215.43	0.00	0.00	0.59	
752	SLS CO16		36.29	0.56	-226.63	0.00	0.00	-0.05	
753	SLS CO16		33.64	-0.15	-251.15	0.00	0.00	0.22	
754	SLS CO16		3.29	-0.39	-260.12	0.00	0.00	-0.06	
772	SLS CO16		23.60	61.11	-207.46	-294.33	-2.40	1.48	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
779	SLQ CO16		26.89	141.24	-253.40	0.00	0.00	-1.03	
783	SLQ CO16		58.34	0.22	-219.21	0.00	0.00	0.29	
785	SLQ CO16		-31.80	223.55	-252.27	0.00	0.00	-8.82	
	Total max/min values with corresponding values								
60	SLQ CO16	P_x	272.84	105.27	-216.46	-157.32	-4.39	-1.55	
747			-254.89	-4.54	-287.45	2.08	3.68	-0.88	
71		P_y	-2.25	288.54	-222.81	-83.82	23.61	-15.33	
705			30.32	-106.34	-284.83	0.00	0.00	1.84	
343		P_z	73.25	-1.54	-170.26	-17.12	-9.64	-1.88	
468			0.09	-2.51	-314.28	-5.53	-1.15	-0.40	
20		M_x	-78.36	-4.31	-263.55	120.04	-73.86	7.19	
772			23.60	61.11	-207.46	-294.33	-2.40	1.48	
422		M_y	28.65	138.93	-229.23	-30.55	51.57	0.40	
417			67.80	140.55	-176.51	-82.07	-84.03	0.77	
322		M_z	-44.88	225.57	-247.13	0.00	0.00	15.61	
71			-2.25	288.54	-222.81	-83.82	23.61	-15.33	
	Sum of loads and sum of support forces								
	SLQ CO16		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-44581.70	Loads			
Σ			3078.37	3668.12	-18777.20	Support Forces			
20	SLQ CO17		-81.22	-4.32	-272.53	124.49	-77.26	7.27	
25	SLQ CO17		-169.44	4.54	-277.72	-16.99	-39.51	-0.18	
32	SLQ CO17		3.27	-0.24	-272.71	-10.27	-30.46	-0.33	
39	SLQ CO17		58.25	40.33	-258.17	-62.77	-43.36	0.41	
45	SLQ CO17		9.57	9.67	-245.75	-26.58	-31.31	0.88	
51	SLQ CO17		160.77	89.72	-188.13	-117.56	-10.44	-0.63	
54	SLQ CO17		180.86	93.32	-198.56	-128.12	-12.86	-0.63	
57	SLQ CO17		231.94	97.39	-210.77	-140.75	-12.14	-0.88	
60	SLQ CO17		278.76	105.49	-224.36	-157.05	-7.54	-1.57	
71	SLQ CO17		-0.55	294.41	-226.66	-83.72	22.55	-15.69	
72	SLQ CO17		37.94	8.67	-234.77	-26.62	-26.51	0.03	
74	SLQ CO17		71.98	61.53	-245.26	0.00	0.00	-0.46	
99	SLQ CO17		23.00	-28.98	-259.57	0.00	0.00	-2.34	
100	SLQ CO17		95.44	12.29	-259.88	0.00	0.00	-6.12	
101	SLQ CO17		134.25	88.46	-241.94	0.00	0.00	-2.60	
135	SLQ CO17		157.45	285.67	-293.47	0.00	0.00	-0.20	
138	SLQ CO17		244.53	19.86	-270.79	0.00	0.00	0.30	
139	SLQ CO17		73.93	171.81	-267.69	0.00	0.00	-1.32	
286	SLQ CO17		-2.65	95.20	-261.89	-53.68	-4.79	-0.39	
322	SLQ CO17		-42.59	233.09	-255.52	0.00	0.00	16.33	
340	SLQ CO17		-85.40	13.44	-192.65	-23.36	4.78	2.91	
341	SLQ CO17		91.43	4.25	-185.93	-20.74	-8.56	-2.67	
342	SLQ CO17		-80.28	14.70	-179.08	-21.45	7.02	2.08	
343	SLQ CO17		73.49	-1.74	-174.44	-16.87	-9.91	-1.86	
365	SLQ CO17		-157.42	34.95	-300.12	0.00	0.00	0.18	
370	SLQ CO17		138.33	-70.43	-266.67	-134.88	-1.89	-4.07	
372	SLQ CO17		-2.21	164.12	-286.60	-87.35	-6.10	0.41	
377	SLQ CO17		-3.21	-12.36	-296.48	-72.57	-10.34	1.76	
415	SLQ CO17		-2.10	198.93	-200.16	-111.70	-79.90	-3.84	
417	SLQ CO17		66.00	136.31	-180.59	-81.41	-84.39	0.83	
419	SLQ CO17		-72.15	221.96	-196.72	-82.62	-61.29	-0.36	
422	SLQ CO17		29.64	145.18	-232.97	-30.46	53.19	0.41	
424	SLQ CO17		-72.86	265.71	-212.12	-83.68	-45.15	1.59	
443	SLQ CO17		86.18	225.47	-174.56	-230.88	-12.99	10.58	
445	SLQ CO17		134.65	-116.57	-239.41	-189.78	-8.17	6.09	
465	SLQ CO17		-7.20	2.17	-307.75	-13.75	-11.99	-0.42	
468	SLQ CO17		0.04	-3.59	-325.42	-3.84	-1.43	-0.42	
542	SLQ CO17		-21.75	-105.14	-272.24	0.00	0.00	0.74	
547	SLQ CO17		17.06	71.90	-192.90	0.00	0.00	0.05	
548	SLQ CO17		-147.87	-54.85	-218.43	0.00	0.00	6.06	
589	SLQ CO17		-0.88	-4.27	-192.90	15.36	-5.11	-0.81	
593	SLQ CO17		159.45	78.24	-178.83	-111.41	-7.96	-2.53	
607	SLQ CO17		-0.21	-3.80	-205.82	12.13	-2.99	-0.85	
687	SLQ CO17		-40.00	27.94	-205.70	0.00	0.00	-0.35	
688	SLQ CO17		-30.11	-31.90	-199.51	0.00	0.00	3.73	
689	SLQ CO17		-1.56	-41.81	-206.92	0.00	0.00	0.62	
690	SLQ CO17		15.75	-41.93	-214.78	0.00	0.00	-0.37	
691	SLQ CO17		70.64	-30.58	-222.83	0.00	0.00	-3.60	
692	SLQ CO17		107.83	-10.84	-241.85	0.00	0.00	2.02	
693	SLQ CO17		12.20	9.40	-252.84	0.00	0.00	-0.94	
694	SLQ CO17		-11.28	-37.16	-253.14	0.00	0.00	-2.19	
695	SLQ CO17		6.86	-32.16	-253.76	0.00	0.00	-0.13	
696	SLQ CO17		3.46	-33.04	-254.44	0.00	0.00	-0.24	
697	SLQ CO17		-19.74	-33.07	-255.23	0.00	0.00	-0.19	
698	SLQ CO17		-43.61	-29.35	-256.12	0.00	0.00	-0.47	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
699	SLS CO17		-39.10	-32.02	-257.21	0.00	0.00	2.61	
700	SLS CO17		115.17	-29.46	-262.91	0.00	0.00	3.46	
703	SLS CO17		20.85	291.57	-298.01	0.00	0.00	0.24	
704	SLS CO17		20.06	223.01	-300.24	0.00	0.00	-0.09	
705	SLS CO17		30.16	-120.50	-294.91	0.00	0.00	1.90	
706	SLS CO17		34.28	-77.60	-288.03	0.00	0.00	0.27	
709	SLS CO17		25.97	-23.00	-280.26	0.00	0.00	-1.91	
710	SLS CO17		95.86	30.66	-270.69	0.00	0.00	2.35	
711	SLS CO17		142.88	31.24	-268.74	0.00	0.00	-2.19	
717	SLS CO17		161.65	25.24	-183.00	0.00	0.00	0.01	
718	SLS CO17		170.27	25.23	-192.74	0.00	0.00	0.15	
719	SLS CO17		204.49	23.91	-204.01	0.00	0.00	0.19	
720	SLS CO17		254.15	22.73	-217.05	0.00	0.00	0.19	
721	SLS CO17		252.37	31.63	-231.39	0.00	0.00	-0.58	
747	SLS CO17		-271.18	-4.84	-297.38	2.43	3.67	-0.94	
749	SLS CO17		0.47	155.68	-247.27	0.00	0.00	-0.15	
750	SLS CO17		0.39	52.20	-261.47	0.00	0.00	-0.44	
751	SLS CO17		22.98	1.16	-219.57	0.00	0.00	0.61	
752	SLS CO17		38.70	0.56	-231.88	0.00	0.00	-0.06	
753	SLS CO17		36.12	-0.16	-258.48	0.00	0.00	0.21	
754	SLS CO17		3.16	-0.40	-268.30	0.00	0.00	-0.06	
772	SLS CO17		28.65	60.80	-212.19	-292.85	1.14	1.47	
779	SLS CO17		28.61	153.81	-260.36	0.00	0.00	-0.79	
783	SLS CO17		59.57	0.20	-226.33	0.00	0.00	0.31	
785	SLS CO17		-33.38	233.37	-260.39	0.00	0.00	-9.35	
	Total max/min values with corresponding values								
60	SLS CO17	P_x	278.76	105.49	-224.36	-157.05	-7.54	-1.57	
747			-271.18	-4.84	-297.38	2.43	3.67	-0.94	
71		P_y	-0.55	294.41	-226.66	-83.72	22.55	-15.69	
705			30.16	-120.50	-294.91	0.00	0.00	1.90	
343		P_z	73.49	-1.74	-174.44	-16.87	-9.91	-1.86	
468			0.04	-3.59	-325.42	-3.84	-1.43	-0.42	
20		M_x	-81.22	-4.32	-272.53	124.49	-77.26	7.27	
772			28.65	60.80	-212.19	-292.85	1.14	1.47	
422		M_y	29.64	145.18	-232.97	-30.46	53.19	0.41	
417			66.00	136.31	-180.59	-81.41	-84.39	0.83	
322		M_z	-42.59	233.09	-255.52	0.00	0.00	16.33	
71			-0.55	294.41	-226.66	-83.72	22.55	-15.69	
	Sum of loads and sum of support forces								
	SLS CO17		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-45301.20	Loads			
Σ			3081.77	3673.00	-19288.90	Support Forces			
20	SLS CO18		-83.38	-5.26	-275.06	127.12	-77.48	7.60	
25	SLS CO18		-172.27	4.46	-280.93	-16.64	-39.07	-0.15	
32	SLS CO18		2.78	-0.31	-276.19	-9.94	-30.03	-0.34	
39	SLS CO18		58.50	40.59	-261.60	-59.84	-43.36	0.40	
45	SLS CO18		10.01	9.61	-249.23	-26.19	-31.58	0.89	
51	SLS CO18		165.26	90.74	-191.75	-117.87	-10.37	-0.61	
54	SLS CO18		181.98	93.18	-202.31	-127.08	-12.99	-0.62	
57	SLS CO18		229.87	98.25	-214.56	-140.71	-12.45	-0.89	
60	SLS CO18		273.66	106.67	-228.14	-157.38	-8.05	-1.58	
71	SLS CO18		1.19	291.50	-229.10	-82.59	22.30	-15.75	
72	SLS CO18		39.76	8.18	-237.91	-25.73	-27.48	0.04	
74	SLS CO18		72.24	61.97	-248.64	0.00	0.00	-0.45	
99	SLS CO18		24.15	-29.05	-260.90	0.00	0.00	-2.33	
100	SLS CO18		94.60	12.50	-262.41	0.00	0.00	-6.09	
101	SLS CO18		134.58	89.32	-244.09	0.00	0.00	-2.70	
135	SLS CO18		158.36	287.10	-295.00	0.00	0.00	-0.20	
138	SLS CO18		245.79	19.87	-272.34	0.00	0.00	0.30	
139	SLS CO18		73.96	172.06	-268.99	0.00	0.00	-1.32	
286	SLS CO18		-2.62	96.22	-264.98	-48.75	-4.72	-0.39	
322	SLS CO18		-43.69	238.28	-257.71	0.00	0.00	16.59	
340	SLS CO18		-86.72	13.54	-193.68	-23.52	4.83	2.95	
341	SLS CO18		91.08	4.60	-186.99	-20.97	-8.59	-2.71	
342	SLS CO18		-80.79	14.57	-179.58	-21.23	7.06	2.06	
343	SLS CO18		73.43	-1.72	-174.97	-16.69	-9.92	-1.84	
365	SLS CO18		-159.65	33.67	-302.49	0.00	0.00	0.16	
370	SLS CO18		137.44	-70.41	-270.03	-133.49	-1.88	-4.03	
372	SLS CO18		-2.25	162.24	-289.76	-85.83	-6.14	0.41	
377	SLS CO18		-3.27	-17.19	-299.35	-70.76	-10.33	1.79	
415	SLS CO18		-2.43	203.48	-202.96	-110.75	-78.91	-3.82	
417	SLS CO18		65.67	134.34	-183.61	-80.48	-83.48	0.90	
419	SLS CO18		-72.41	218.36	-199.53	-81.47	-61.24	-0.33	
422	SLS CO18		30.02	145.74	-235.29	-30.05	53.54	0.39	
424	SLS CO18		-73.30	259.82	-214.74	-82.37	-45.42	1.59	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
443	SLS CO18		91.61	229.93	-177.86	-228.65	-12.85	10.39	
445	SLS CO18		131.51	-117.52	-243.10	-187.19	-8.42	6.04	
465	SLS CO18		-7.21	2.18	-310.31	-13.60	-11.99	-0.43	
468	SLS CO18		0.03	-3.59	-328.15	-3.64	-1.41	-0.43	
542	SLS CO18		-23.12	-106.03	-275.48	0.00	0.00	0.74	
547	SLS CO18		17.81	72.42	-194.49	0.00	0.00	0.05	
548	SLS CO18		-148.70	-55.35	-220.60	0.00	0.00	6.10	
589	SLS CO18		-0.79	-4.33	-196.82	15.64	-4.82	-0.80	
593	SLS CO18		166.67	79.22	-182.26	-111.67	-7.74	-2.57	
607	SLS CO18		-0.26	-3.87	-209.55	12.46	-3.12	-0.84	
687	SLS CO18		-40.11	28.47	-207.58	0.00	0.00	-0.35	
688	SLS CO18		-29.28	-31.90	-201.14	0.00	0.00	3.74	
689	SLS CO18		-1.03	-41.81	-208.61	0.00	0.00	0.63	
690	SLS CO18		15.89	-41.93	-216.52	0.00	0.00	-0.37	
691	SLS CO18		71.49	-30.62	-224.62	0.00	0.00	-3.58	
692	SLS CO18		106.84	-10.79	-243.71	0.00	0.00	2.10	
693	SLS CO18		10.25	10.24	-254.53	0.00	0.00	-0.99	
694	SLS CO18		-13.45	-37.24	-254.74	0.00	0.00	-2.24	
695	SLS CO18		5.72	-32.13	-255.27	0.00	0.00	-0.14	
696	SLS CO18		3.67	-33.04	-255.89	0.00	0.00	-0.24	
697	SLS CO18		-18.41	-33.08	-256.63	0.00	0.00	-0.19	
698	SLS CO18		-41.85	-29.36	-257.50	0.00	0.00	-0.48	
699	SLS CO18		-37.58	-32.01	-258.56	0.00	0.00	2.60	
700	SLS CO18		115.86	-29.50	-264.22	0.00	0.00	3.45	
703	SLS CO18		20.88	292.73	-299.84	0.00	0.00	0.23	
704	SLS CO18		20.03	223.97	-302.35	0.00	0.00	-0.09	
705	SLS CO18		30.13	-124.03	-297.50	0.00	0.00	1.91	
706	SLS CO18		34.28	-80.34	-290.84	0.00	0.00	0.28	
709	SLS CO18		25.96	-24.00	-283.29	0.00	0.00	-1.91	
710	SLS CO18		94.12	30.66	-273.96	0.00	0.00	2.35	
711	SLS CO18		140.93	31.28	-272.05	0.00	0.00	-2.18	
717	SLS CO18		166.75	25.52	-186.53	0.00	0.00	0.01	
718	SLS CO18		173.03	25.44	-196.42	0.00	0.00	0.17	
719	SLS CO18		204.20	24.14	-207.77	0.00	0.00	0.18	
720	SLS CO18		251.66	23.03	-220.83	0.00	0.00	0.18	
721	SLS CO18		247.80	31.79	-235.11	0.00	0.00	-0.53	
747	SLS CO18		-275.02	-4.93	-299.90	2.59	4.50	-0.97	
749	SLS CO18		0.47	157.64	-250.02	0.00	0.00	-0.15	
750	SLS CO18		0.39	54.51	-264.19	0.00	0.00	-0.44	
751	SLS CO18		25.63	1.13	-222.15	0.00	0.00	0.61	
752	SLS CO18		40.45	0.55	-235.07	0.00	0.00	-0.06	
753	SLS CO18		36.09	-0.17	-261.86	0.00	0.00	0.21	
754	SLS CO18		1.88	-0.40	-271.51	0.00	0.00	-0.06	
772	SLS CO18		29.02	60.13	-212.31	-289.43	2.03	1.48	
779	SLS CO18		28.77	154.97	-261.74	0.00	0.00	-0.84	
783	SLS CO18		60.60	0.20	-228.04	0.00	0.00	0.31	
785	SLS CO18		-32.77	235.91	-262.29	0.00	0.00	-9.35	
	Total max/min values with corresponding values								
60	SLS CO18	P_x	273.66	106.67	-228.14	-157.38	-8.05	-1.58	
747			-275.02	-4.93	-299.90	2.59	4.50	-0.97	
703		P_y	20.88	292.73	-299.84	0.00	0.00	0.23	
705			30.13	-124.03	-297.50	0.00	0.00	1.91	
343		P_z	73.43	-1.72	-174.97	-16.69	-9.92	-1.84	
468			0.03	-3.59	-328.15	-3.64	-1.41	-0.43	
20		M_x	-83.38	-5.26	-275.06	127.12	-77.48	7.60	
772			29.02	60.13	-212.31	-289.43	2.03	1.48	
422		M_y	30.02	145.74	-235.29	-30.05	53.54	0.39	
417			65.67	134.34	-183.61	-80.48	-83.48	0.90	
322		M_z	-43.69	238.28	-257.71	0.00	0.00	16.59	
71			1.19	291.50	-229.10	-82.59	22.30	-15.75	
	Sum of loads and sum of support forces								
	SLS CO18		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			3117.55	4198.08	-45521.90	Loads			
Σ			3082.36	3674.99	-19488.50	Support Forces			
20	SLS CO19		-80.54	-5.24	-266.10	122.71	-74.09	7.52	
25	SLS CO19		-164.11	4.60	-272.25	-17.04	-35.78	-0.18	
32	SLS CO19		3.14	-0.15	-268.13	-10.38	-27.05	-0.32	
39	SLS CO19		55.64	41.67	-254.67	-62.23	-39.12	0.41	
45	SLS CO19		10.12	9.54	-243.31	-26.39	-28.77	0.86	
51	SLS CO19		170.50	90.41	-186.66	-117.82	-7.58	-0.64	
54	SLS CO19		186.34	93.32	-196.49	-127.75	-9.86	-0.63	
57	SLS CO19		231.68	98.08	-207.86	-141.11	-9.04	-0.89	
60	SLS CO19		267.96	106.45	-220.35	-157.64	-4.86	-1.56	
71	SLS CO19		-0.54	285.55	-225.24	-82.62	23.32	-15.39	
72	SLS CO19		38.52	8.30	-232.93	-26.03	-24.36	0.01	

4.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
74	SLS CO19		68.59	59.02	-242.49	0.00	0.00	-0.44	
99	SLS CO19		22.40	-29.22	-254.25	0.00	0.00	-2.26	
100	SLS CO19		90.06	12.44	-254.00	0.00	0.00	-5.84	
101	SLS CO19		127.73	87.25	-236.38	0.00	0.00	-2.82	
135	SLS CO19		155.26	278.57	-286.41	0.00	0.00	-0.19	
138	SLS CO19		239.14	16.51	-264.40	0.00	0.00	0.31	
139	SLS CO19		70.40	161.29	-261.69	0.00	0.00	-1.32	
286	SLS CO19		-2.47	97.16	-258.28	-53.13	-4.32	-0.36	
322	SLS CO19		-45.97	230.80	-249.33	0.00	0.00	15.88	
340	SLS CO19		-83.57	13.71	-190.13	-23.76	4.75	2.99	
341	SLS CO19		90.97	4.70	-183.54	-21.19	-8.42	-2.75	
342	SLS CO19		-77.33	14.60	-175.27	-21.42	6.92	2.08	
343	SLS CO19		73.20	-1.52	-170.81	-16.93	-9.65	-1.87	
365	SLS CO19		-148.42	40.82	-292.58	0.00	0.00	0.22	
370	SLS CO19		141.38	-59.60	-260.67	-131.54	0.93	-3.99	
372	SLS CO19		-2.08	166.95	-279.53	-85.44	-5.59	0.42	
377	SLS CO19		-3.06	-11.39	-289.25	-72.52	-9.72	1.70	
415	SLS CO19		-0.06	203.88	-198.93	-111.47	-78.66	-3.79	
417	SLS CO19		67.46	138.54	-179.57	-81.07	-83.13	0.84	
419	SLS CO19		-72.37	223.50	-195.50	-82.11	-61.05	-0.31	
422	SLS CO19		29.01	139.47	-231.54	-30.11	51.90	0.37	
424	SLS CO19		-72.95	260.69	-210.75	-82.75	-44.89	1.46	
443	SLS CO19		93.50	231.76	-173.67	-229.97	-10.65	10.49	
445	SLS CO19		128.30	-106.49	-233.83	-188.67	-5.49	6.04	
465	SLS CO19		-6.72	2.95	-299.91	-14.78	-11.10	-0.41	
468	SLS CO19		0.08	-2.52	-317.01	-5.33	-1.15	-0.41	
542	SLS CO19		-19.31	-102.55	-265.14	0.00	0.00	0.73	
547	SLS CO19		19.11	70.94	-193.25	0.00	0.00	0.05	
548	SLS CO19		-144.22	-55.43	-217.41	0.00	0.00	5.89	
589	SLS CO19		-0.69	-4.18	-195.47	14.92	-4.37	-0.78	
593	SLS CO19		170.61	78.73	-177.78	-111.30	-5.32	-2.56	
607	SLS CO19		-0.35	-3.73	-206.85	11.82	-3.26	-0.82	
687	SLS CO19		-39.43	25.98	-205.36	0.00	0.00	-0.37	
688	SLS CO19		-27.21	-31.74	-199.55	0.00	0.00	3.77	
689	SLS CO19		-0.67	-41.78	-206.62	0.00	0.00	0.65	
690	SLS CO19		14.56	-41.92	-214.09	0.00	0.00	-0.36	
691	SLS CO19		67.42	-30.65	-221.73	0.00	0.00	-3.56	
692	SLS CO19		98.72	-10.95	-239.65	0.00	0.00	1.99	
693	SLS CO19		8.58	9.10	-249.56	0.00	0.00	-0.93	
694	SLS CO19		-14.77	-37.05	-249.51	0.00	0.00	-2.15	
695	SLS CO19		4.69	-32.13	-249.78	0.00	0.00	-0.13	
696	SLS CO19		4.32	-32.99	-250.16	0.00	0.00	-0.24	
697	SLS CO19		-15.74	-32.98	-250.68	0.00	0.00	-0.19	
698	SLS CO19		-37.56	-29.29	-251.34	0.00	0.00	-0.45	
699	SLS CO19		-34.46	-32.04	-252.20	0.00	0.00	2.60	
700	SLS CO19		112.57	-29.51	-257.29	0.00	0.00	3.39	
703	SLS CO19		21.00	284.52	-290.70	0.00	0.00	0.26	
704	SLS CO19		20.26	220.84	-292.76	0.00	0.00	-0.08	
705	SLS CO19		30.29	-109.86	-287.46	0.00	0.00	1.85	
706	SLS CO19		34.28	-69.83	-280.71	0.00	0.00	0.27	
709	SLS CO19		26.00	-19.81	-273.06	0.00	0.00	-1.91	
710	SLS CO19		97.95	30.63	-263.95	0.00	0.00	2.34	
711	SLS CO19		143.20	31.21	-262.37	0.00	0.00	-2.18	
717	SLS CO19		167.38	25.42	-181.76	0.00	0.00	0.01	
718	SLS CO19		172.88	25.35	-191.00	0.00	0.00	0.17	
719	SLS CO19		202.15	24.03	-201.55	0.00	0.00	0.18	
720	SLS CO19		245.74	22.90	-213.63	0.00	0.00	0.18	
721	SLS CO19		233.54	31.78	-226.61	0.00	0.00	-0.56	
747	SLS CO19		-258.80	-4.63	-289.99	2.24	4.51	-0.90	
749	SLS CO19		0.41	151.90	-244.90	0.00	0.00	-0.11	
750	SLS CO19		0.34	53.53	-257.85	0.00	0.00	-0.40	
751	SLS CO19		22.31	1.12	-218.00	0.00	0.00	0.60	
752	SLS CO19		38.02	0.54	-229.82	0.00	0.00	-0.06	
753	SLS CO19		33.59	-0.15	-254.55	0.00	0.00	0.21	
754	SLS CO19		2.00	-0.39	-263.35	0.00	0.00	-0.06	
772	SLS CO19		23.99	60.42	-207.55	-290.84	-1.49	1.48	
779	SLS CO19		27.04	142.41	-254.78	0.00	0.00	-1.07	
783	SLS CO19		59.37	0.22	-220.93	0.00	0.00	0.29	
785	SLS CO19		-31.19	226.06	-254.17	0.00	0.00	-8.82	
	Total max/min values with corresponding values								
60	SLS CO19	P_x	267.96	106.45	-220.35	-157.64	-4.86	-1.56	
747			-258.80	-4.63	-289.99	2.24	4.51	-0.90	
71		P_y	-0.54	285.55	-225.24	-82.62	23.32	-15.39	
705			30.29	-109.86	-287.46	0.00	0.00	1.85	
343		P_z	73.20	-1.52	-170.81	-16.93	-9.65	-1.87	
468			0.08	-2.52	-317.01	-5.33	-1.15	-0.41	
20		M_x	-80.54	-5.24	-266.10	122.71	-74.09	7.52	

4.2 NODES - SUPPORT FORCES

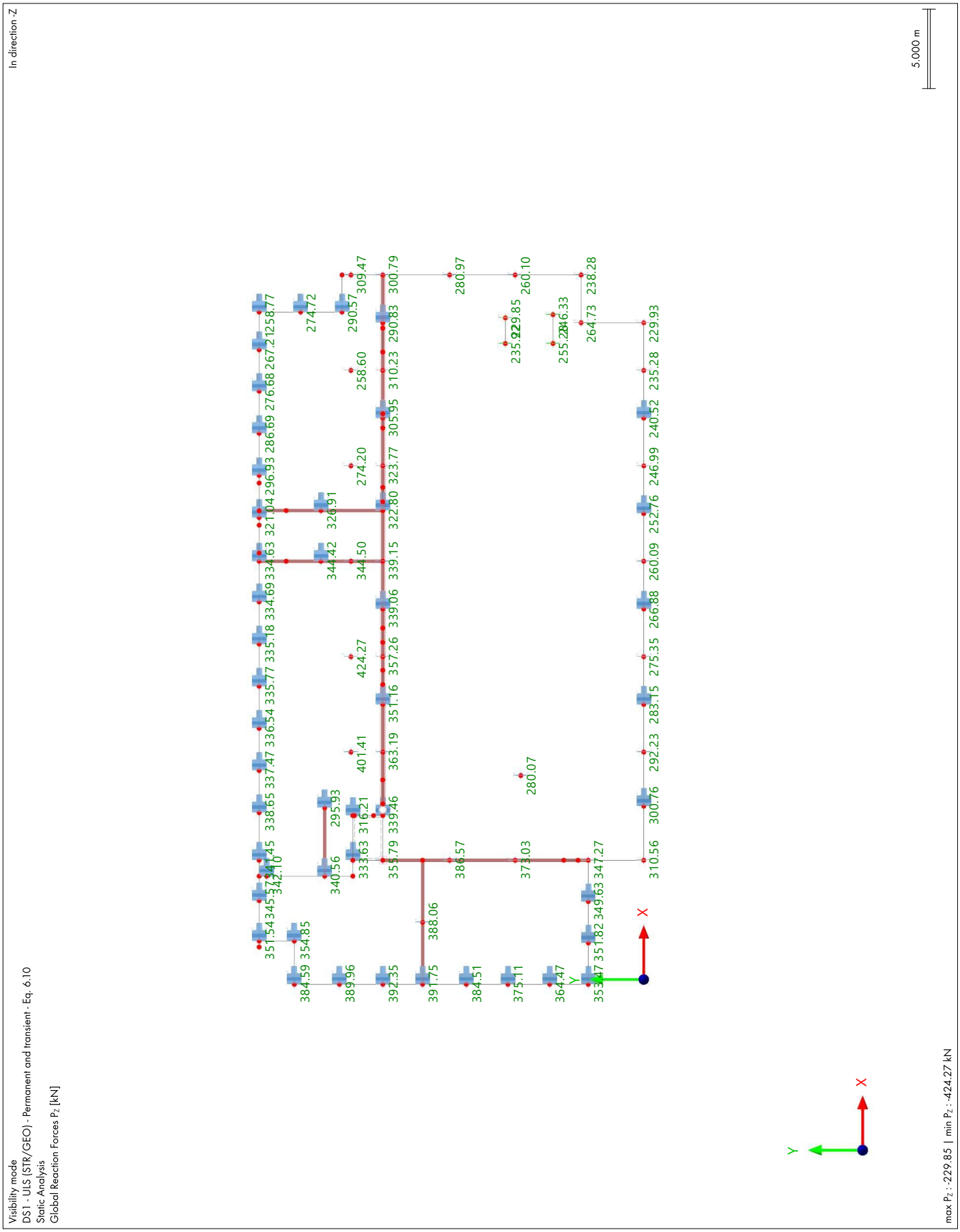
Static Analysis

Node No.	Loading No.		Support Forces P_x [kN]	P_y [kN]	P_z [kN]	Support Moments M_x [kNm]	M_y [kNm]	M_z [kNm]	Node Comment Cor. Loading
772		M_x	23.99	60.42	-207.55	-290.84	-1.49	1.48	
422		M_y	29.01	139.47	-231.54	-30.11	51.90	0.37	
417			67.46	138.54	-179.57	-81.07	-83.13	0.84	
322		M_z	-45.97	230.80	-249.33	0.00	0.00	15.88	
71			-0.54	285.55	-225.24	-82.62	23.32	-15.39	

	Sum of loads and sum of support forces					
	SQ0 CO19		P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ			3117.55	4198.08	-44802.40	Loads
Σ			3079.11	3670.46	-18978.60	Support Forces

4.3 DS1: ENVELOPE VALUES - MAX VALUES, NODAL SUPPORTS P_z, IN DIRECTION -Z

Static Analysis



5 Concrete Design

5.1 OBJECTS TO DESIGN

	Object Type	Design All	Objects to Design: Selected	To Design	Removed	Not Valid / Deact.	Comment
	Members	☐					
	Member Sets	☐	1-7,146-154,157,158,171-176,197-199	1-7,146-154,157,158,171-176,197-199			
	Surfaces	☐	2, 43,52-57,66-69,73, 74,76-83	2, 43,52-57,66-69,73, 74,76-83			
	Nodes	☐					

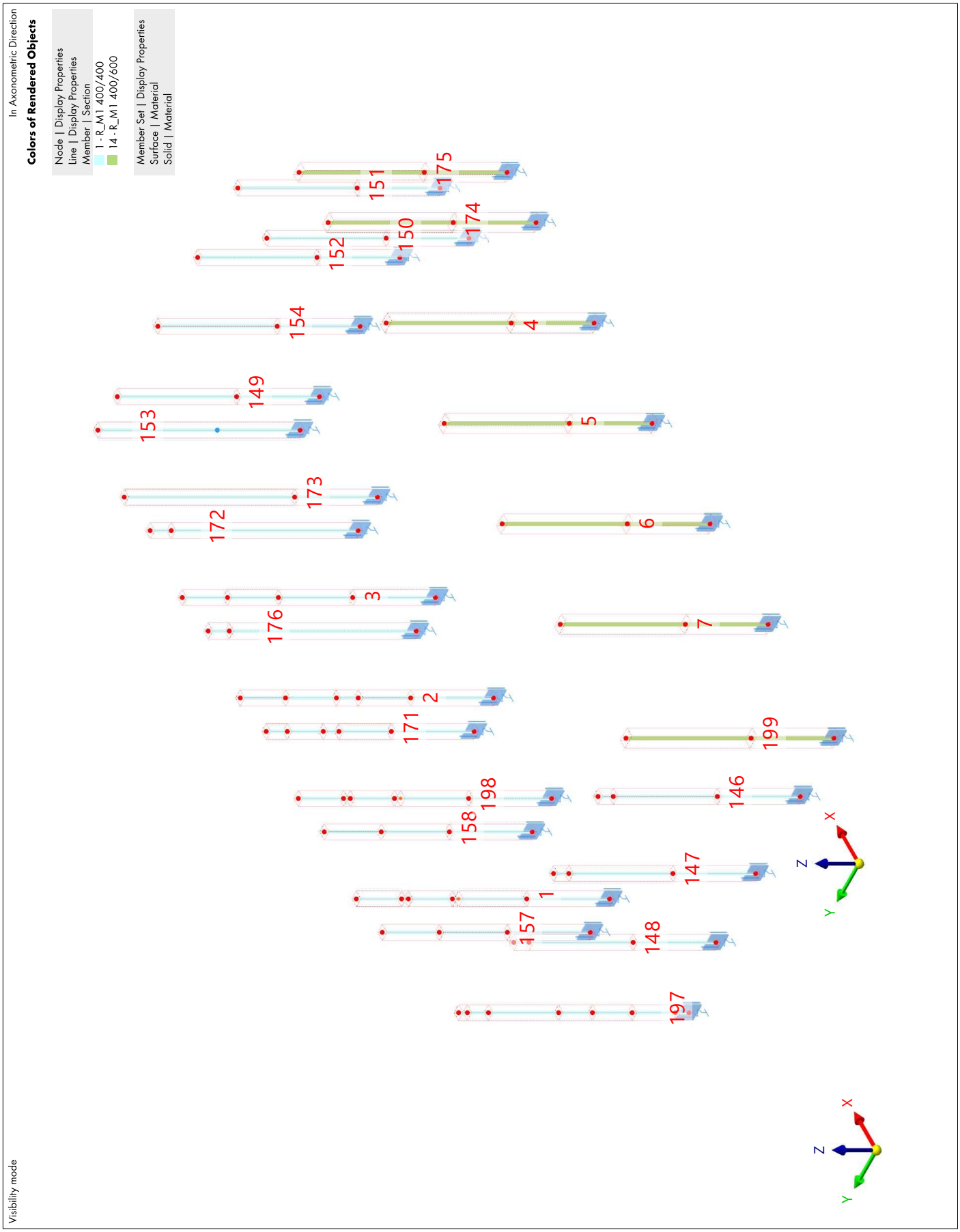
5.2 DESIGN SITUATIONS

DS No.	EN 1990 | LST |2012-01 Design Situation Type	To Design	Active	EN 1992 | LST | 2019-06 Design Situation Type	Combinations to Design for Enumeration Method
1	ULS ULS (STR/GEO) - Permanent and transient - Eq. 6.10	☒	☒	ULS ULS (STR/GEO) - Permanent and transient	All
2	S Ch SLS - Characteristic	☒	☒	S Cd SLS - Characteristic with direct load	All
3	S Fr SLS - Frequent	☒	☒	S Fr SLS - Frequent	All
4	S Qp SLS - Quasi-permanent	☒	☒	S Qp SLS - Quasi-permanent	All

5.3 Results

5.3.1 Reinforcement on Members

5.3.1.1 MODEL, IN AXONOMETRIC DIRECTION



5.3.1.2 REQUIRED REINFORCEMENT BY MEMBER SET

Concrete Design

Member Set No.	Node No.	Location x [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²] $A_{s,req,-z\ (top)}$	$A_{s,req,+z}$	$A_{s,req}$	$A_{s,req,T}$	$A_{s,req,tot,-z}$	$A_{s,req,tot,+z}$	$A_{s,req,tot}$	Stirrup Areas [cm²/m] $a_{sw,V,req}$	$a_{sw,T,req}$	$a_{sw,req,tot}$	Comment
Extremes		0.160	CO2	DS1	1.72	1.60	3.32	0.00	1.72	1.60	3.32	3.93	4.18	4.18	18578961
1	25	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
		0.160	CO2	DS1	1.72	1.60	3.32	0.00	1.72	1.60	3.32	3.93	4.18	4.18	
	29	0.320	CO3	DS1	1.60	1.60	3.20	5.49	4.35	4.35	8.69	3.93	3.14	3.93	
	29	0.320	CO2	DS1	1.72	1.60	3.32	5.47	4.46	4.33	8.79	3.93	3.01	3.93	
	29	0.320	CO3	DS1	1.60	1.60	3.20	5.49	4.35	4.35	8.69	3.93	3.14	3.93	
	29	0.320	CO2	DS1	1.72	1.60	3.32	5.47	4.46	4.33	8.79	3.93	3.01	3.93	
	25	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	29	0.320	CO1	DS1	1.63	1.60	3.23	0.00	1.63	1.60	3.23	3.93	4.87	4.87	
	29	0.320	CO1	DS1	1.63	1.60	3.23	0.00	1.63	1.60	3.23	3.93	4.87	4.87	
Total					1.72	1.60	3.32	5.49	4.46	4.35	8.79	3.93	4.87	4.87	
Extremes	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	18578921
2	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
		1.052	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.42	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.42	3.93	
Extremes	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	18578897
3	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	48	0.000	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.60	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.60	3.93	
Extremes	51	0.000	CO1	DS1	2.40	5.12	7.52	0.00	2.40	5.12	7.52	5.89	0.06	5.89	18404635
4	51	0.000	CO16	DS4	0.00	9.21	9.21	0.00	0.00	9.21	9.21	--	--	--	
	51	0.000	CO16	DS4	0.00	9.21	9.21	0.00	0.00	9.21	9.21	--	--	--	
	51	0.000	CO1	DS1	2.40	5.12	7.52	0.00	2.40	5.12	7.52	5.89	0.06	5.89	
	51	0.000	CO1	DS1	2.40	5.12	7.52	0.00	2.40	5.12	7.52	5.89	0.06	5.89	
	51	0.000	CO16	DS4	0.00	9.21	9.21	0.00	0.00	9.21	9.21	--	--	--	
	51	0.000	CO16	DS4	0.00	9.21	9.21	0.00	0.00	9.21	9.21	--	--	--	
	51	0.000	CO1	DS1	2.40	5.12	7.52	0.00	2.40	5.12	7.52	5.89	0.06	5.89	
		2.853	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.07	5.89	
	51	0.000	CO1	DS1	2.40	5.12	7.52	0.00	2.40	5.12	7.52	5.89	0.06	5.89	
Total					2.40	9.21	9.21	0.00	2.40	9.21	9.21	5.89	0.07	5.89	
Extremes	54	0.000	CO1	DS1	2.40	5.84	8.24	0.00	2.40	5.84	8.24	5.89	0.06	5.89	18404611
5	54	0.000	CO16	DS4	0.00	10.15	10.15	0.00	0.00	10.15	10.15	--	--	--	
	54	0.000	CO16	DS4	0.00	10.15	10.15	0.00	0.00	10.15	10.15	--	--	--	
	54	0.000	CO1	DS1	2.40	5.84	8.24	0.00	2.40	5.84	8.24	5.89	0.06	5.89	
	54	0.000	CO1	DS1	2.40	5.84	8.24	0.00	2.40	5.84	8.24	5.89	0.06	5.89	
	54	0.000	CO16	DS4	0.00	10.15	10.15	0.00	0.00	10.15	10.15	--	--	--	
	54	0.000	CO16	DS4	0.00	10.15	10.15	0.00	0.00	10.15	10.15	--	--	--	
		0.150	CO1	DS1	2.40	5.84	8.24	0.00	2.40	5.84	8.24	6.04	0.06	6.10	
		2.853	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.09	5.89	
		0.150	CO1	DS1	2.40	5.84	8.24	0.00	2.40	5.84	8.24	6.04	0.06	6.10	
Total					2.40	10.15	10.15	0.00	2.40	10.15	10.15	6.04	0.09	6.10	
Extremes	57	0.000	CO1	DS1	2.40	6.59	8.99	0.00	2.40	6.59	8.99	5.89	0.08	5.89	18404587
6	57	0.000	CO16	DS4	0.00	11.09	11.09	0.00	0.00	11.09	11.09	--	--	--	
	57	0.000	CO16	DS4	0.00	11.09	11.09	0.00	0.00	11.09	11.09	--	--	--	
	57	0.000	CO1	DS1	2.40	6.59	8.99	0.00	2.40	6.59	8.99	5.89	0.08	5.89	
	57	0.000	CO1	DS1	2.40	6.59	8.99	0.00	2.40	6.59	8.99	5.89	0.08	5.89	
	57	0.000	CO16	DS4	0.00	11.09	11.09	0.00	0.00	11.09	11.09	--	--	--	
	57	0.000	CO16	DS4	0.00	11.09	11.09	0.00	0.00	11.09	11.09	--	--	--	
		0.150	CO4	DS1	2.40	6.36	8.76	0.00	2.40	6.36	8.76	6.41	0.08	6.49	
		2.853	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.12	5.89	
		0.150	CO4	DS1	2.40	6.36	8.76	0.00	2.40	6.36	8.76	6.41	0.08	6.49	
Total					2.40	11.09	11.09	0.00	2.40	11.09	11.09	6.41	0.12	6.49	
Extremes	60	0.000	CO1	DS1	2.40	7.51	9.91	0.00	2.40	7.51	9.91	5.89	0.11	5.89	18404563
7	60	0.000	CO16	DS4	0.00	12.20	12.20	0.00	0.00	12.20	12.20	--	--	--	
	60	0.000	CO16	DS4	0.00	12.20	12.20	0.00	0.00	12.20	12.20	--	--	--	
	60	0.000	CO1	DS1	2.40	7.51	9.91	0.00	2.40	7.51	9.91	5.89	0.11	5.89	
	60	0.000	CO1	DS1	2.40	7.51	9.91	0.00	2.40	7.51	9.91	5.89	0.11	5.89	

5.3.1.2 REQUIRED REINFORCEMENT BY MEMBER SET

Concrete Design

Member Set No.	Node No.	Location x [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²] $A_{s,req,-z\ (top)}$	$A_{s,req,+z}$	$A_{s,req}$	$A_{s,req,T}$	$A_{s,req,tot,-z}$	$A_{s,req,tot,+z}$	$A_{s,req,tot}$	Stirrup Areas [cm²/m] $a_{sw,V,req}$	$a_{sw,T,req}$	$a_{sw,req,tot}$	Comment
7	60	0.000	CO16	DS4	0.00	12.20	12.20	0.00	0.00	12.20	12.20	–	–	–	18404563
	60	0.000	CO16	DS4	0.00	12.20	12.20	0.00	0.00	12.20	12.20	–	–	–	
		0.150	CO4	DS1	2.40	7.41	9.81	0.00	2.40	7.41	9.81	6.77	0.11	6.88	
	60	0.000	CO3	DS1	2.40	7.33	9.73	0.00	2.40	7.33	9.73	5.89	0.12	5.89	
		0.150	CO4	DS1	2.40	7.41	9.81	0.00	2.40	7.41	9.81	6.77	0.11	6.88	
Total					2.40	12.20	12.20	0.00	2.40	12.20	12.20	6.77	0.12	6.88	
Extremes	370	0.000	CO16	DS4	3.90	6.57	10.47	0.00	3.90	6.57	10.47	–	–	–	6761492
146	370	0.000	CO17	DS4	3.05	7.02	10.07	0.00	3.05	7.02	10.07	–	–	–	
	370	0.000	CO16	DS4	3.90	6.57	10.47	0.00	3.90	6.57	10.47	–	–	–	
	370	0.000	CO2	DS1	1.60	4.69	6.29	1.80	2.50	5.58	8.08	4.96	0.49	5.45	
	370	0.000	CO16	DS4	3.90	6.57	10.47	0.00	3.90	6.57	10.47	–	–	–	
	370	0.000	CO17	DS4	3.05	7.02	10.07	0.00	3.05	7.02	10.07	–	–	–	
	370	0.000	CO16	DS4	3.90	6.57	10.47	0.00	3.90	6.57	10.47	–	–	–	
	370	0.000	CO1	DS1	2.36	3.94	6.30	1.72	3.22	4.80	8.02	5.40	0.47	5.86	
		3.835	CO2	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.38	3.93	
	370	0.000	CO1	DS1	2.36	3.94	6.30	1.72	3.22	4.80	8.02	5.40	0.47	5.86	
Total					3.90	7.02	10.47	1.80	3.90	7.02	10.47	5.40	1.38	5.86	
Extremes	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	6761500
147	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
		0.498	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
Extremes	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	6761508
148	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
		1.284	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
Extremes	71	0.000	CO16	DS4	7.50	1.26	8.76	0.00	7.50	1.26	8.76	–	–	–	6761582
149	71	0.000	CO1	DS1	4.38	1.60	5.98	4.53	6.64	3.87	10.51	10.51	1.23	11.74	
	71	0.000	CO16	DS4	7.50	1.26	8.76	0.00	7.50	1.26	8.76	–	–	–	
	71	0.000	CO3	DS1	4.08	1.60	5.68	5.01	6.58	4.11	10.69	10.08	1.36	11.43	
	71	0.000	CO16	DS4	7.50	1.26	8.76	0.00	7.50	1.26	8.76	–	–	–	
	71	0.000	CO3	DS1	4.08	1.60	5.68	5.01	6.58	4.11	10.69	10.08	1.36	11.43	
	71	0.000	CO2	DS1	4.30	1.60	5.90	4.93	6.77	4.07	10.83	10.57	1.34	11.91	
	71	0.000	CO2	DS1	4.30	1.60	5.90	4.93	6.77	4.07	10.83	10.57	1.34	11.91	
		1.427	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	2.03	3.93	
	71	0.000	CO2	DS1	4.30	1.60	5.90	4.93	6.77	4.07	10.83	10.57	1.34	11.91	
Total					7.50	1.60	8.76	5.01	7.50	4.11	10.83	10.57	2.03	11.91	
Extremes	3	4.280	CO18	DS4	12.46	1.26	13.72	0.00	12.46	1.26	13.72	–	–	–	6761590
150	415	0.000	CO16	DS4	0.00	9.62	9.62	0.00	0.00	9.62	9.62	–	–	–	
	3	4.280	CO18	DS4	12.46	1.26	13.72	0.00	12.46	1.26	13.72	–	–	–	
	415	0.000	CO4	DS1	1.60	7.48	9.08	1.28	2.24	8.12	10.36	9.21	0.51	9.72	
	3	4.280	CO18	DS4	12.46	1.26	13.72	0.00	12.46	1.26	13.72	–	–	–	
	415	0.000	CO16	DS4	0.00	9.62	9.62	0.00	0.00	9.62	9.62	–	–	–	
	3	4.280	CO18	DS4	12.46	1.26	13.72	0.00	12.46	1.26	13.72	–	–	–	
	415	0.000	CO1	DS1	1.60	8.51	10.11	1.26	2.23	9.14	11.37	9.61	0.50	10.10	
	415	0.000	CO4	DS1	1.60	7.48	9.08	1.28	2.24	8.12	10.36	9.21	0.51	9.72	
	415	0.000	CO1	DS1	1.60	8.51	10.11	1.26	2.23	9.14	11.37	9.61	0.50	10.10	
Total					12.46	9.62	13.72	1.28	12.46	9.62	13.72	9.61	0.51	10.10	
Extremes	417	0.000	CO1	DS1	1.60	12.03	13.63	0.33	1.77	12.20	13.96	8.77	0.16	8.93	6761598
151	417	0.000	CO16	DS4	0.00	15.88	15.88	0.00	0.00	15.88	15.88	–	–	–	
	417	0.000	CO16	DS4	0.00	15.88	15.88	0.00	0.00	15.88	15.88	–	–	–	
		0.465	CO1	DS1	1.60	5.44	7.04	0.51	1.85	5.70	7.55	7.85	0.14	7.85	
		0.465	CO1	DS1	1.60	5.44	7.04	0.51	1.85	5.70	7.55	7.85	0.14	7.85	
	417	0.000	CO16	DS4	0.00	15.88	15.88	0.00	0.00	15.88	15.88	–	–	–	
	417	0.000	CO16	DS4	0.00	15.88	15.88	0.00	0.00	15.88	15.88	–	–	–	
		0.150	CO1	DS1	1.60	12.03	13.63	0.10	1.65	12.08	13.73	12.03	0.05	12.08	
		2.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.81	7.85	
		0.150	CO1	DS1	1.60	12.03	13.63	0.10	1.65	12.08	13.73	12.03	0.05	12.08	

5.3.1.2 REQUIRED REINFORCEMENT BY MEMBER SET

Concrete Design

Member Set No.	Node No.	Location x [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²] $A_{s,req,-z\ (top)}$	$A_{s,req,+z}$	$A_{s,req}$	$A_{s,req,T}$	$A_{s,req,tot,-z}$	$A_{s,req,tot,+z}$	$A_{s,req,tot}$	Stirrup Areas [cm²/m] $a_{sw,V,req}$	$a_{sw,T,req}$	$a_{sw,req,tot}$	Comment
Total					1.60	15.88	15.88	0.51	1.85	15.88	15.88	12.03	0.81	12.08	6761598
Extremes	419	0.000	CO1	DS1	1.60	7.08	8.68	0.25	1.73	7.21	8.93	9.06	0.07	9.13	6761606
152	419	0.000	CO16	DS4	0.00	10.17	10.17	0.00	0.00	10.17	10.17	–	–	–	
	419	0.000	CO16	DS4	0.00	10.17	10.17	0.00	0.00	10.17	10.17	–	–	–	
		0.498	CO1	DS1	1.60	1.60	3.20	0.45	1.83	1.83	3.65	4.38	0.12	4.51	
		0.498	CO1	DS1	1.60	1.60	3.20	0.45	1.83	1.83	3.65	4.38	0.12	4.51	
	419	0.000	CO16	DS4	0.00	10.17	10.17	0.00	0.00	10.17	10.17	–	–	–	
	419	0.000	CO16	DS4	0.00	10.17	10.17	0.00	0.00	10.17	10.17	–	–	–	
	419	0.000	CO1	DS1	1.60	7.08	8.68	0.25	1.73	7.21	8.93	9.06	0.07	9.13	
		2.853 2/3	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.56	3.93	
	419	0.000	CO1	DS1	1.60	7.08	8.68	0.25	1.73	7.21	8.93	9.06	0.07	9.13	
Total					1.60	10.17	10.17	0.45	1.83	10.17	10.17	9.06	0.56	9.13	
Extremes	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	6761614
153	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
		2.612 1/4	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.44	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.00	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.44	3.93	
Extremes	424	0.000	CO1	DS1	1.60	6.18	7.78	0.20	1.70	6.28	7.98	9.95	0.05	10.00	6761622
154	424	0.000	CO16	DS4	0.00	9.30	9.30	0.00	0.00	9.30	9.30	–	–	–	
	424	0.000	CO16	DS4	0.00	9.30	9.30	0.00	0.00	9.30	9.30	–	–	–	
		0.498	CO1	DS1	1.60	1.60	3.20	0.41	1.81	1.81	3.61	4.36	0.11	4.47	
		0.498	CO1	DS1	1.60	1.60	3.20	0.41	1.81	1.81	3.61	4.36	0.11	4.47	
	424	0.000	CO16	DS4	0.00	9.30	9.30	0.00	0.00	9.30	9.30	–	–	–	
	424	0.000	CO16	DS4	0.00	9.30	9.30	0.00	0.00	9.30	9.30	–	–	–	
	424	0.000	CO1	DS1	1.60	6.18	7.78	0.20	1.70	6.28	7.98	9.95	0.05	10.00	
		3.210 3/4	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.65	3.93	
	424	0.000	CO1	DS1	1.60	6.18	7.78	0.20	1.70	6.28	7.98	9.95	0.05	10.00	
Total					1.60	9.30	9.30	0.41	1.81	9.30	9.30	9.95	0.65	10.00	
Extremes	466	0.000	CO12	DS3	2.29	0.00	2.29	0.00	2.29	0.00	2.29	–	–	–	6761817
157	467	0.000	CO8	DS2	0.00	3.79	3.79	0.00	0.00	3.79	3.79	–	–	–	
	467	0.000	CO3	DS1	1.60	3.16	4.76	0.00	1.60	3.16	4.76	3.93	0.19	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	466	0.000	CO12	DS3	2.29	0.00	2.29	0.00	2.29	0.00	2.29	–	–	–	
	467	0.000	CO8	DS2	0.00	3.79	3.79	0.00	0.00	3.79	3.79	–	–	–	
	467	0.000	CO3	DS1	1.60	3.16	4.76	0.00	1.60	3.16	4.76	3.93	0.19	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
		1.475 1/2	CO2	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.21	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
Total					2.29	3.79	4.76	0.00	2.29	3.79	4.76	3.93	0.21	3.93	
Extremes	470	0.000	CO17	DS4	4.11	0.00	4.11	0.00	4.11	0.00	4.11	–	–	–	6761825
158	471	3.520	CO17	DS4	0.00	5.04	5.04	0.00	0.00	5.04	5.04	–	–	–	
	470	0.000	CO2	DS1	3.65	1.60	5.25	0.00	3.65	1.60	5.25	3.93	0.09	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	470	0.000	CO17	DS4	4.11	0.00	4.11	0.00	4.11	0.00	4.11	–	–	–	
	471	3.520	CO17	DS4	0.00	5.04	5.04	0.00	0.00	5.04	5.04	–	–	–	
	470	0.000	CO2	DS1	3.65	1.60	5.25	0.00	3.65	1.60	5.25	3.93	0.09	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
		0.590	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.12	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
Total					4.11	5.04	5.25	0.00	4.11	5.04	5.25	3.93	0.12	3.93	
Extremes	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.28	3.93	6762161
171	407	1.860	CO7	DS2	0.00	2.73	2.73	0.00	0.00	2.73	2.73	–	–	–	
	407	1.860	CO2	DS1	1.60	2.52	4.12	0.00	1.60	2.52	4.12	3.93	0.07	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.28	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.28	3.93	
	407	1.860	CO7	DS2	0.00	2.73	2.73	0.00	0.00	2.73	2.73	–	–	–	
	407	1.860	CO2	DS1	1.60	2.52	4.12	0.00	1.60	2.52	4.12	3.93	0.07	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.28	3.93	
		1.084	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.53	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.28	3.93	
Total					1.60	2.73	4.12	0.00	1.60	2.73	4.12	3.93	0.53	3.93	
Extremes	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	6762177
172	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	

5.3.1.2 REQUIRED REINFORCEMENT BY MEMBER SET

Concrete Design

Member Set No.	Node No.	Location x [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²] $A_{s,req,-z\ (top)}$	$A_{s,req,+z}$	$A_{s,req}$	$A_{s,req,T}$	$A_{s,req,tot,-z}$	$A_{s,req,tot,+z}$	$A_{s,req,tot}$	Stirrup Areas [cm²/m] $a_{sw,V,req}$	$a_{sw,T,req}$	$a_{sw,req,tot}$	Comment
172	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	6762177
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	589	0.000	CO2	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.18	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.18	3.93	
Extremes	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	6762185
173	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
		2.447	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.53	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.53	3.93	
Extremes	593	0.000	CO1	DS1	2.40	4.79	7.19	0.00	2.40	4.79	7.19	5.89	0.18	5.89	6762289
174	593	0.000	CO16	DS4	0.00	8.76	8.76	0.00	0.00	8.76	8.76	–	–	–	
	593	0.000	CO16	DS4	0.00	8.76	8.76	0.00	0.00	8.76	8.76	–	–	–	
	593	0.000	CO1	DS1	2.40	4.79	7.19	0.00	2.40	4.79	7.19	5.89	0.18	5.89	
	593	0.000	CO1	DS1	2.40	4.79	7.19	0.00	2.40	4.79	7.19	5.89	0.18	5.89	
	593	0.000	CO16	DS4	0.00	8.76	8.76	0.00	0.00	8.76	8.76	–	–	–	
	593	0.000	CO16	DS4	0.00	8.76	8.76	0.00	0.00	8.76	8.76	–	–	–	
	593	0.000	CO1	DS1	2.40	4.79	7.19	0.00	2.40	4.79	7.19	5.89	0.18	5.89	
		2.846	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.37	5.89	
	593	0.000	CO1	DS1	2.40	4.79	7.19	0.00	2.40	4.79	7.19	5.89	0.18	5.89	
Total					2.40	8.76	8.76	0.00	2.40	8.76	8.76	5.89	0.37	5.89	
Extremes	443	0.000	CO1	DS1	2.40	15.52	17.92	3.63	4.22	17.34	21.56	10.07	1.11	11.18	6762297
175	443	0.000	CO16	DS4	0.00	21.34	21.34	0.00	0.00	21.34	21.34	–	–	–	
	443	0.000	CO16	DS4	0.00	21.34	21.34	0.00	0.00	21.34	21.34	–	–	–	
	443	0.000	CO1	DS1	2.40	15.52	17.92	3.63	4.22	17.34	21.56	10.07	1.11	11.18	
	443	0.000	CO1	DS1	2.40	15.52	17.92	3.63	4.22	17.34	21.56	10.07	1.11	11.18	
	443	0.000	CO16	DS4	0.00	21.34	21.34	0.00	0.00	21.34	21.34	–	–	–	
	443	0.000	CO1	DS1	2.40	15.52	17.92	3.63	4.22	17.34	21.56	10.07	1.11	11.18	
		0.150	CO1	DS1	2.40	15.52	17.92	3.49	4.15	17.27	21.42	21.97	1.07	23.04	
		1.500	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	1.15	5.89	
		0.150	CO1	DS1	2.40	15.52	17.92	3.49	4.15	17.27	21.42	21.97	1.07	23.04	
Total					2.40	21.34	21.34	3.63	4.22	21.34	21.56	21.97	1.15	23.04	
Extremes	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	6762177
176	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	679	9.660	CO2	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.18	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.18	3.93	
Extremes	20	0.000	CO1	DS1	1.60	3.13	4.73	0.00	1.60	3.13	4.73	4.32	0.01	4.32	
197	20	0.000	CO3	DS1	1.60	4.86	6.46	0.07	1.64	4.89	6.53	5.13	0.02	5.15	
	20	0.000	CO3	DS1	1.60	4.86	6.46	0.07	1.64	4.89	6.53	5.13	0.02	5.15	
	20	0.000	CO3	DS1	1.60	4.86	6.46	0.07	1.64	4.89	6.53	5.13	0.02	5.15	
	20	0.000	CO3	DS1	1.60	4.86	6.46	0.07	1.64	4.89	6.53	5.13	0.02	5.15	
	20	0.000	CO3	DS1	1.60	4.86	6.46	0.07	1.64	4.89	6.53	5.13	0.02	5.15	
	20	0.000	CO3	DS1	1.60	4.86	6.46	0.07	1.64	4.89	6.53	5.13	0.02	5.15	
		0.498	CO3	DS1	1.60	1.60	3.20	0.06	1.63	1.63	3.26	8.84	0.03	8.87	
	24	1.090	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	3.31	3.93	
		0.498	CO3	DS1	1.60	1.60	3.20	0.06	1.63	1.63	3.26	8.84	0.03	8.87	
Total					1.60	4.86	6.46	0.07	1.64	4.89	6.53	8.84	3.31	8.87	
Extremes	35	3.520	CO16	DS4	3.32	0.00	3.32	0.00	3.32	0.00	3.32	–	–	–	
198	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	35	3.520	CO1	DS1	2.08	1.60	3.68	0.00	2.08	1.60	3.68	3.93	0.08	3.93	
	36	0.320	CO5	DS1	1.60	1.60	3.20	1.15	2.18	2.18	4.35	6.76	0.31	7.07	
	35	3.520	CO16	DS4	3.32	0.00	3.32	0.00	3.32	0.00	3.32	–	–	–	
	36	0.320	CO5	DS1	1.60	1.60	3.20	1.15	2.18	2.18	4.35	6.76	0.31	7.07	
	36	0.320	CO1	DS1	2.08	1.60	3.68	1.04	2.60	2.12	4.73	3.93	0.28	4.15	
	36	0.320	CO3	DS1	1.60	1.60	3.20	1.15	2.17	2.17	4.35	6.78	0.31	7.09	

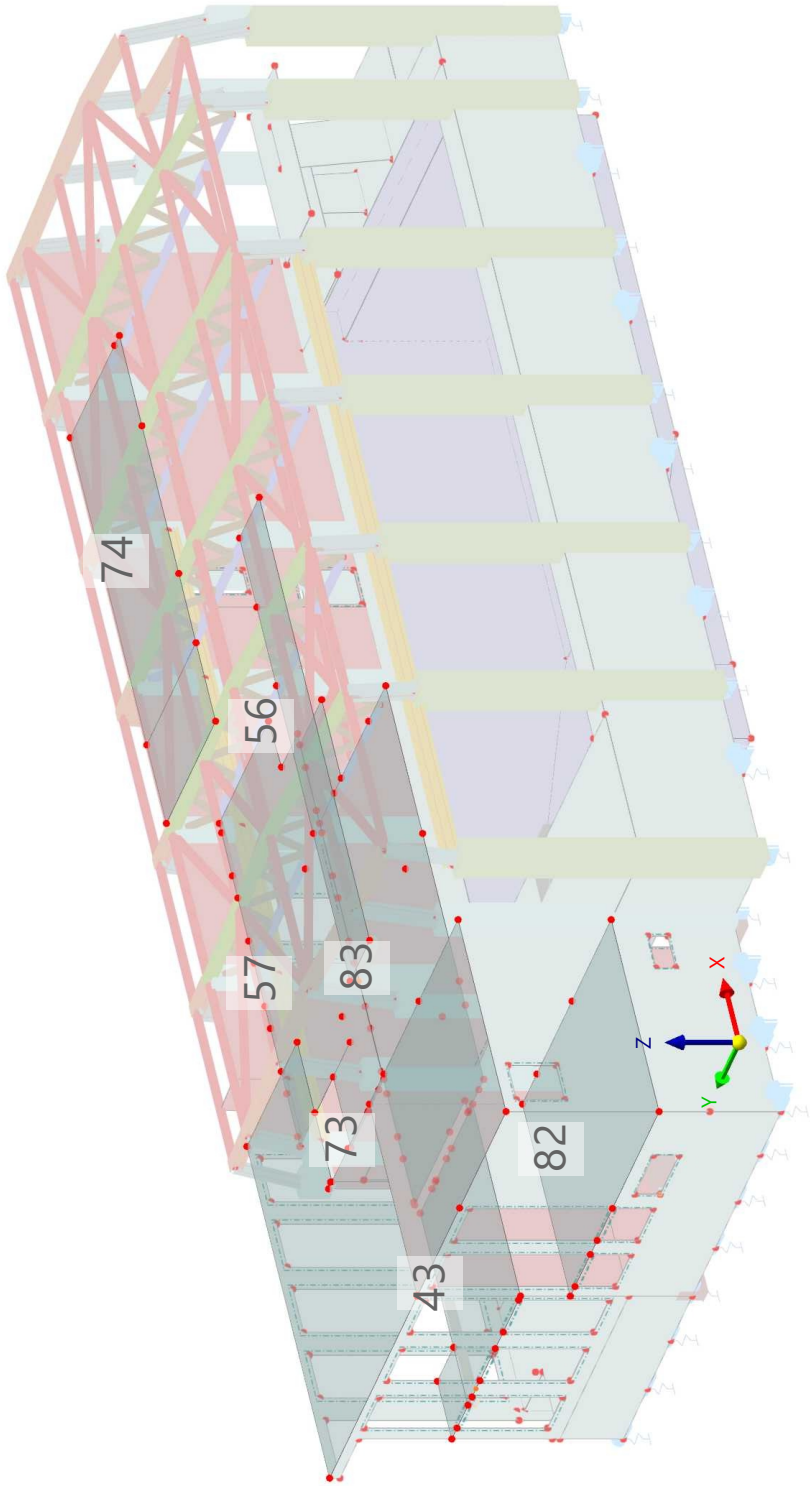
5.3.1.2 **REQUIRED REINFORCEMENT BY MEMBER SET** **Concrete Design**

Member Set No.	Node No.	Location x [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²] $A_{s,req,-z\ (top)}$	$A_{s,req,+z}$	$A_{s,req}$	$A_{s,req,T}$	$A_{s,req,tot,-z}$	$A_{s,req,tot,+z}$	$A_{s,req,tot}$	Stirrup Areas [cm²/m] $a_{sw,V,req}$	$a_{sw,T,req}$	$a_{sw,req,tot}$	Comment
198	36	0.000	CO4	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.48	3.93	
	36	0.320	CO3	DS1	1.60	1.60	3.20	1.15	2.17	2.17	4.35	6.78	0.31	7.09	
Total					3.32	1.60	3.68	1.15	3.32	2.18	4.73	6.78	1.48	7.09	
Extremes	445	0.000	CO1	DS1	2.40	12.21	14.61	2.22	3.51	13.32	16.83	6.25	0.67	6.91	
199	445	0.000	CO16	DS4	0.00	17.71	17.71	0.00	0.00	17.71	17.71	--	--	--	
	445	0.000	CO16	DS4	0.00	17.71	17.71	0.00	0.00	17.71	17.71	--	--	--	
	445	0.000	CO2	DS1	2.40	11.60	14.00	2.25	3.52	12.73	16.25	6.02	0.70	6.72	
	445	0.000	CO2	DS1	2.40	11.60	14.00	2.25	3.52	12.73	16.25	6.02	0.70	6.72	
	445	0.000	CO16	DS4	0.00	17.71	17.71	0.00	0.00	17.71	17.71	--	--	--	
	445	0.000	CO16	DS4	0.00	17.71	17.71	0.00	0.00	17.71	17.71	--	--	--	
		0.150	CO1	DS1	2.40	12.21	14.61	1.79	3.29	13.10	16.39	12.50	0.51	13.01	
	445	0.000	CO2	DS1	2.40	11.60	14.00	2.25	3.52	12.73	16.25	6.02	0.70	6.72	
		0.150	CO1	DS1	2.40	12.21	14.61	1.79	3.29	13.10	16.39	12.50	0.51	13.01	
Total					2.40	17.71	17.71	2.25	3.52	17.71	17.71	12.50	0.70	13.01	

5.3.2 Reinforcement on Surfaces

5.3.2.1 MODEL, IN AXONOMETRIC DIRECTION

In Axonometric Direction



Visibility mode

5.3.2.2 REQUIRED REINFORCEMENT BY SURFACE

Concrete Design

Surface No.	Point / Elem. No.	Point Coordinates X [m]	Y [m]	Z [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²/m] $a_{s,req,1,-z\ (top)}$	$a_{s,req,2,-z\ (top)}$	$a_{s,req,1,+z\ (bottom)}$	$a_{s,req,2,+z\ (bottom)}$	Stirrup $a_{sw,req}$ [cm²/	Comment
Extremes	6165	38.650	11.467	1.300	CO2	DS1	17.15	6.96	0.21	1.05	0.00	
2	6701	39.840	4.776	1.300	CO18	DS4	0.03	23.30	3.49	0.00	0.00	
	9564	39.840	7.725	1.300	CO3	DS1	7.52	8.51	7.52	9.96	0.00	
	16823	39.840	5.759	1.300	CO18	DS4	0.00	0.00	4.09	24.62	0.00	
	606	38.650	14.100	1.300	CO3	DS1	8.69	5.19	0.95	4.74	23.64	
Total							17.15	23.30	7.52	24.62	23.64	
Extremes	18548	5.063	13.896	3.580	CO1	DS1	9.70	1.94	9.70	1.94	0.00	
43	427	2.046	20.050	3.580	CO4	DS1	1.86	9.31	12.35	9.31	0.00	
	427	2.046	20.050	3.580	CO2	DS1	0.14	0.72	15.76	6.75	7.12	
	3165	2.046	21.005	3.580	CO5	DS1	0.43	0.09	2.04	10.20	0.00	
	18568	7.500	15.899	3.580	CO2	DS1	2.86	5.77	3.64	3.30	20.48	
Total							9.70	9.31	15.76	10.20	20.48	
Extremes	3910	23.338	14.100	-2.965	CO17	DS4	17.33	12.88	0.00	0.00	0.00	
52	3914	24.273	14.100	-3.259	CO13	DS3	14.75	13.25	0.00	0.00	0.00	
	449	25.676	1.350	-3.700	CO18	DS4	0.00	0.00	9.70	1.61	0.00	
	3914	24.273	14.100	-3.259	CO3	DS1	15.10	9.32	1.49	7.45	0.00	
	455	16.324	1.350	-0.761	CO2	DS1	0.09	0.43	4.06	0.81	7.47	
Total							17.33	13.25	9.70	7.45	7.47	
Extremes	4435	15.494	9.687	-0.500	CO3	DS1	4.94	6.13	0.62	3.11	0.00	
53	4435	15.494	9.687	-0.500	CO3	DS1	4.94	6.13	0.62	3.11	0.00	
	447	15.494	14.100	-0.500	CO1	DS1	2.49	1.03	4.06	2.77	0.00	
	448	15.494	1.350	-0.500	CO1	DS1	0.00	0.00	0.76	3.79	0.00	
	447	15.494	14.100	-0.500	CO1	DS1	2.49	1.03	4.06	2.77	0.00	
Total							4.94	6.13	4.06	3.79	0.00	
Extremes	4639	16.324	2.331	-2.230	CO3	DS1	4.08	1.73	2.77	0.61	0.00	
54	4715	16.324	14.100	-1.251	CO1	DS1	1.62	2.13	1.52	0.55	0.00	
	4637	16.324	14.100	-2.720	CO3	DS1	0.28	1.42	5.43	2.42	0.00	
	4364	16.324	2.821	-0.761	CO3	DS1	1.43	0.29	3.46	3.30	0.00	
	452	16.324	1.350	-3.700	CO1	DS1	0.43	0.83	1.27	2.13	0.00	
Total							4.08	2.13	5.43	3.30	0.00	
Extremes	4716	26.175	14.100	-3.700	CO2	DS1	20.93	4.77	20.93	4.19	0.00	
55	4923	38.650	10.667	-3.700	CO2	DS1	1.66	8.29	12.65	8.29	0.00	
	5131	38.650	6.744	-3.700	CO5	DS1	0.04	0.20	20.94	6.74	0.00	
	5402	31.165	1.350	-3.700	CO18	DS4	0.00	0.00	1.19	30.47	0.00	
	446	25.676	14.100	-3.700	CO1	DS1	20.21	4.68	20.21	4.04	0.00	
Total							20.93	8.29	20.94	30.47	0.00	
Extremes	5421	14.300	15.940	5.670	CO1	DS1	10.26	2.05	10.26	2.05	0.00	
56	36	20.300	16.400	5.670	CO1	DS1	5.25	26.24	0.42	0.08	29.55	
	5421	14.300	15.940	5.670	CO1	DS1	10.26	2.05	10.26	2.05	0.00	
	5420	14.800	15.940	5.670	CO2	DS1	3.28	6.98	3.28	6.98	0.00	
	36	20.300	16.400	5.670	CO1	DS1	5.25	26.24	0.42	0.08	29.55	
Total							10.26	26.24	10.26	6.98	29.55	
Extremes	17330	13.175	23.190	5.350	CO3	DS1	10.07	2.24	10.07	2.01	0.00	
57	462	26.300	18.400	5.350	CO17	DS4	8.61	16.35	0.00	0.00	0.00	
	17330	13.175	23.190	5.350	CO3	DS1	10.07	2.24	10.07	2.01	0.00	
	5670	24.609	24.170	5.350	CO5	DS1	2.46	10.26	1.06	10.26	0.00	
	18632	13.175	24.170	5.350	CO3	DS1	0.00	0.00	8.59	4.63	19.02	
Total							10.07	16.35	10.07	10.26	19.02	
Extremes	7925	13.324	1.588	1.830	CO3	DS1	10.23	2.91	12.78	3.17	0.00	
66	7893	13.324	13.862	1.830	CO1	DS1	1.42	7.12	0.42	2.12	0.00	
	7925	13.324	1.588	1.830	CO3	DS1	10.23	2.91	12.78	3.17	0.00	
	4480 / 6953	13.324	13.194	-0.500	CO1	DS1	0.56	0.11	1.42	7.12	0.00	
	450	13.324	14.100	-0.500	CO1	DS1	0.00	0.00	0.00	0.00	0.00	
Total							10.23	7.12	12.78	7.12	0.00	
Extremes	16789	39.840	3.386	1.830	CO16	DS4	15.04	0.00	17.99	6.26	0.00	
67	9564	39.840	7.725	1.300	CO2	DS1	7.25	6.83	10.07	6.83	0.00	
	16790	39.840	3.850	1.830	CO16	DS4	14.99	1.38	18.38	5.33	0.00	
	8225	39.840	1.556	1.711	CO4	DS1	4.63	0.93	7.16	11.89	0.00	
	16783	39.840	1.588	1.830	CO3	DS1	7.81	3.50	8.38	6.23	26.43	
Total							15.04	6.83	18.38	11.89	26.43	
Extremes	448 / 7498	15.494	1.350	-0.500	CO1	DS1	7.39	1.48	0.00	0.00	0.00	
68	5402	31.165	1.350	-3.700	CO3	DS1	1.61	8.05	0.00	0.00	0.00	
	4454 / 7421	14.231	1.350	-0.500	CO1	DS1	0.23	0.05	7.39	1.48	0.00	
	8315	38.199	1.350	1.830	CO4	DS1	0.03	0.16	1.42	7.12	0.00	
	8315	38.199	1.350	1.830	CO4	DS1	0.03	0.16	1.42	7.12	0.00	
Total							7.39	8.05	7.39	7.12	0.00	

5.3.2.2 REQUIRED REINFORCEMENT BY SURFACE

Concrete Design

Surface No.	Point / Elem. No.	Point Coordinates X [m]	Y [m]	Z [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²/m] $a_{s,req,1,-z\ (top)}$	$a_{s,req,2,-z\ (top)}$	$a_{s,req,1,+z\ (bottom)}$	$a_{s,req,2,+z\ (bottom)}$	Stirrup $a_{sw,req}$ [cm²/	Comment
Extremes	8824	13.562	14.100	1.830	CO2	DS1	18.13	4.74	18.14	3.63	5.57	
69	4728	29.169	14.100	-3.700	CO3	DS1	7.87	15.85	6.66	15.85	0.00	
	8878	38.535	14.100	1.830	CO3	DS1	0.06	0.28	22.34	4.47	3.78	
	4728	29.169	14.100	-3.700	CO3	DS1	7.87	15.85	6.66	15.85	0.00	
	4756	36.155	14.100	-3.700	CO3	DS1	3.47	2.24	7.39	1.48	8.66	
Total							18.13	15.85	22.34	15.85	8.66	
Extremes	9542	12.220	18.282	7.210	CO3	DS1	10.26	0.96	10.26	2.05	0.00	
73	18752	-0.300	14.874	7.210	CO4	DS1	3.97	10.23	2.05	10.23	0.00	
	9542	12.220	18.282	7.210	CO3	DS1	10.26	0.96	10.26	2.05	0.00	
	18752	-0.300	14.874	7.210	CO4	DS1	3.97	10.23	2.05	10.23	0.00	
	9545	10.787	18.282	7.210	CO5	DS1	3.97	1.95	0.22	1.09	9.31	
Total							10.26	10.23	10.26	10.23	9.31	
Extremes	408	41.970	18.400	7.210	CO2	DS1	9.98	1.10	9.98	2.00	0.00	
74	18848	30.987	24.170	7.210	CO3	DS1	7.79	10.72	7.79	2.47	0.00	
	18825	41.970	19.482	7.210	CO3	DS1	0.08	0.42	9.98	2.00	0.00	
	10309	39.873	18.400	7.210	CO1	DS1	0.93	10.26	2.05	10.26	0.00	
	10325	31.831	18.400	7.210	CO3	DS1	2.82	7.68	1.09	0.22	11.55	
Total							9.98	10.72	9.98	10.26	11.55	
Extremes	606	38.650	14.100	1.300	CO16	DS4	35.39	9.00	0.00	0.00	0.00	
76	8332	38.650	1.350	-3.224	CO1	DS1	1.38	19.80	3.96	19.80	0.00	
	10696	38.650	3.802	-3.200	CO3	DS1	0.63	0.13	8.29	7.59	0.00	
	8332	38.650	1.350	-3.224	CO1	DS1	1.38	19.80	3.96	19.80	0.00	
	606	38.650	14.100	1.300	CO2	DS1	30.48	6.10	0.00	0.00	20.03	
Total							35.39	19.80	8.29	19.80	20.03	
Extremes	446	25.676	14.100	-3.700	CO4	DS1	19.87	3.97	19.87	3.97	0.00	
77	11275	24.200	2.821	-3.700	CO3	DS1	2.96	4.67	0.65	0.34	0.00	
	4573	16.324	4.783	-3.700	CO4	DS1	0.00	0.00	20.94	4.19	0.00	
	13147	23.215	1.350	-3.700	CO17	DS4	0.00	0.00	3.52	22.66	0.00	
	13862	21.246	1.350	-3.700	CO3	DS1	0.00	0.00	2.77	13.83	7.17	
Total							19.87	4.67	20.94	22.66	7.17	
Extremes	11448	14.824	4.292	-3.700	CO3	DS1	4.55	0.91	0.00	0.00	0.00	
78	11355	15.824	13.610	-3.700	CO1	DS1	1.87	3.66	0.17	0.86	0.00	
	4573	16.324	4.783	-3.700	CO4	DS1	0.00	0.00	20.94	4.19	0.00	
	8257	15.324	1.350	-3.700	CO1	DS1	0.00	0.00	4.19	20.94	0.00	
	7855	13.324	3.802	-3.700	CO3	DS1	0.00	0.00	9.58	1.92	8.65	
Total							4.55	3.66	20.94	20.94	8.65	
Extremes	455	16.324	1.350	-0.761	CO1	DS1	7.39	1.48	0.00	0.00	0.00	
79	40	19.277	1.350	-3.700	CO1	DS1	1.42	7.12	0.00	0.00	0.00	
	11873	16.324	1.350	-1.741	CO1	DS1	0.00	0.00	7.39	1.48	0.00	
	11873	16.324	1.350	-1.741	CO1	DS1	0.00	0.00	7.39	1.48	0.00	
	11873	16.324	1.350	-1.741	CO1	DS1	0.00	0.00	7.39	1.48	0.00	
Total							7.39	7.12	7.39	1.48	0.00	
Extremes	446	25.676	14.100	-3.700	CO2	DS1	9.41	1.88	10.25	7.07	9.99	
80	11495	23.270	14.100	-3.296	CO3	DS1	7.39	20.67	3.86	20.67	0.00	
	446	25.676	14.100	-3.700	CO4	DS1	9.30	1.86	10.38	7.12	9.68	
	11495	23.270	14.100	-3.296	CO3	DS1	7.39	20.67	3.86	20.67	0.00	
	11324	24.692	14.100	-3.700	CO3	DS1	7.39	2.66	3.31	0.66	10.41	
Total							9.41	20.67	10.38	20.67	10.41	
Extremes	4070	16.324	9.687	-0.761	CO3	DS1	7.01	7.89	2.37	0.47	0.00	
81	4028	16.324	10.667	-0.761	CO3	DS1	6.74	8.13	2.57	0.51	0.00	
	455	16.324	1.350	-0.761	CO1	DS1	0.01	0.07	4.06	0.81	6.56	
	454	16.324	14.100	-0.761	CO2	DS1	0.58	2.88	2.87	3.79	0.00	
	455	16.324	1.350	-0.761	CO3	DS1	0.00	0.00	4.06	0.81	6.83	
Total							7.01	8.13	4.06	3.79	6.83	
Extremes	18893	0.675	3.486	1.830	CO4	DS1	10.15	3.70	10.15	1.50	0.00	
82	18864	-0.300	3.983	1.830	CO1	DS1	4.50	9.95	2.32	9.95	0.00	
	18890	7.013	13.896	1.830	CO17	DS4	0.00	0.00	12.98	5.26	0.00	
	18864	-0.300	3.983	1.830	CO1	DS1	4.50	9.95	2.32	9.95	0.00	
	18889	6.525	13.896	1.830	CO2	DS1	5.46	3.52	5.53	2.28	13.89	
Total							10.15	9.95	12.98	9.95	13.89	
Extremes	788	10.800	20.050	1.830	CO3	DS1	11.79	5.22	0.06	0.32	14.68	
83	7 / 11333	26.300	21.616	1.830	CO18	DS4	1.72	12.17	0.00	0.00	0.00	
	11941	10.800	22.110	1.830	CO5	DS1	0.01	0.04	10.26	2.05	0.00	
	11935	11.796	24.170	1.830	CO4	DS1	2.05	10.25	2.05	10.25	0.00	
	7 / 11333	26.300	21.616	1.830	CO3	DS1	2.13	10.65	0.00	0.00	19.32	
Total							11.79	12.17	10.26	10.25	19.32	

5.3.3 Slab No.82

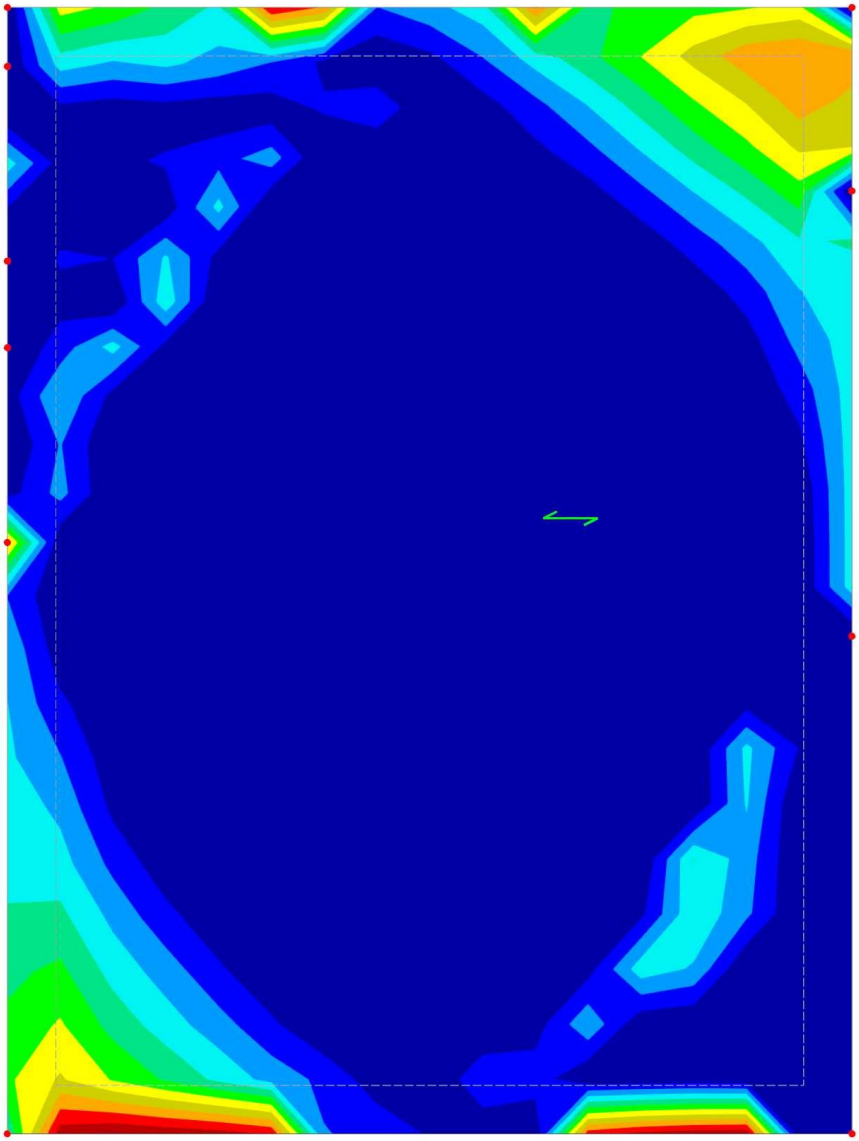
5.3.3.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

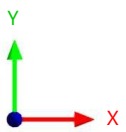
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,-z\ (top)}$ [cm^2/m]

10.15	0.18 %
9.23	0.35 %
8.30	1.10 %
7.38	1.34 %
6.46	1.85 %
5.54	2.47 %
4.61	2.83 %
3.69	5.27 %
2.77	7.12 %
1.85	10.66 %
0.92	66.84 %
0.00	





2.500 m

Y
Surfaces | max $a_{s,req,1,-z\ (top)}$: 10.15 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

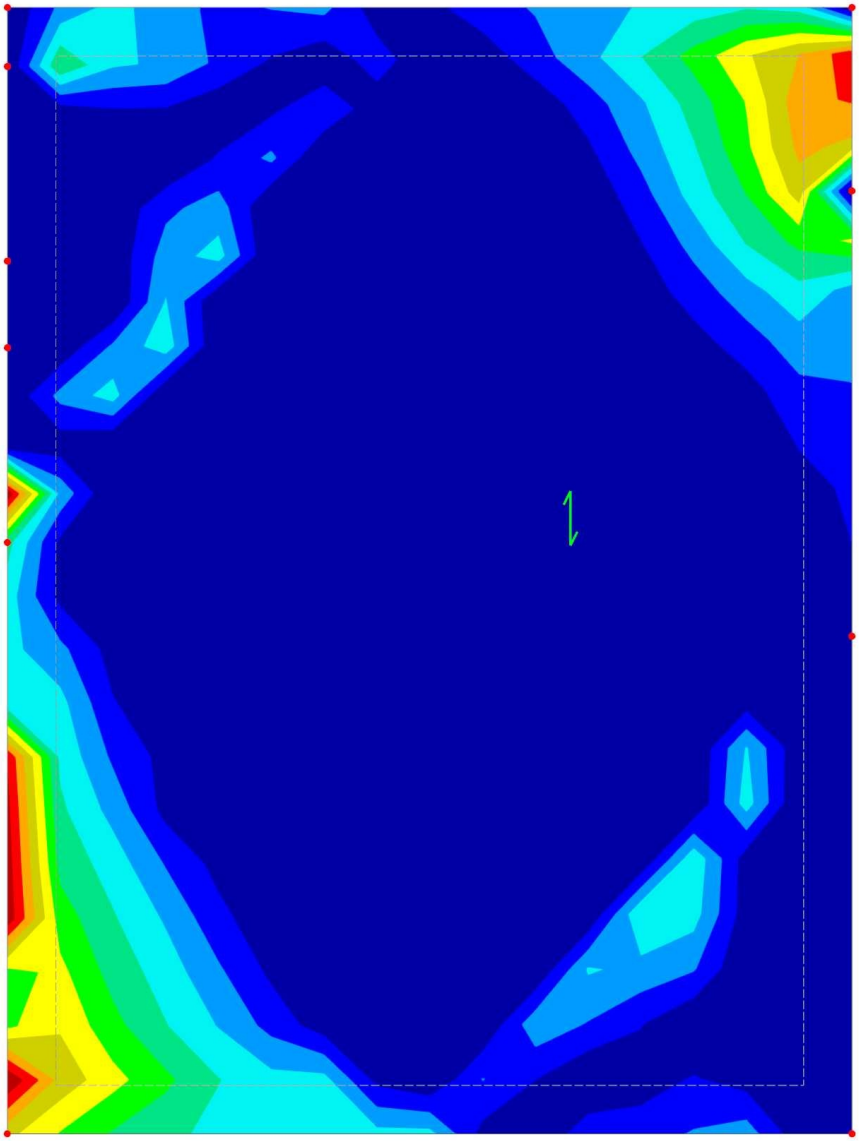
5.3.3.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

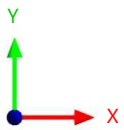
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,-z\ (top)}$ [cm^2/m]

9.95	0.09 %
9.05	0.33 %
8.14	0.85 %
7.24	1.17 %
6.33	1.80 %
5.43	2.30 %
4.52	2.91 %
3.62	5.76 %
2.71	8.03 %
1.81	11.14 %
0.90	65.62 %
0.00	





2.500 m

Y
Surfaces | max $a_{s,req,2,-z\ (top)}$: 9.95 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/m

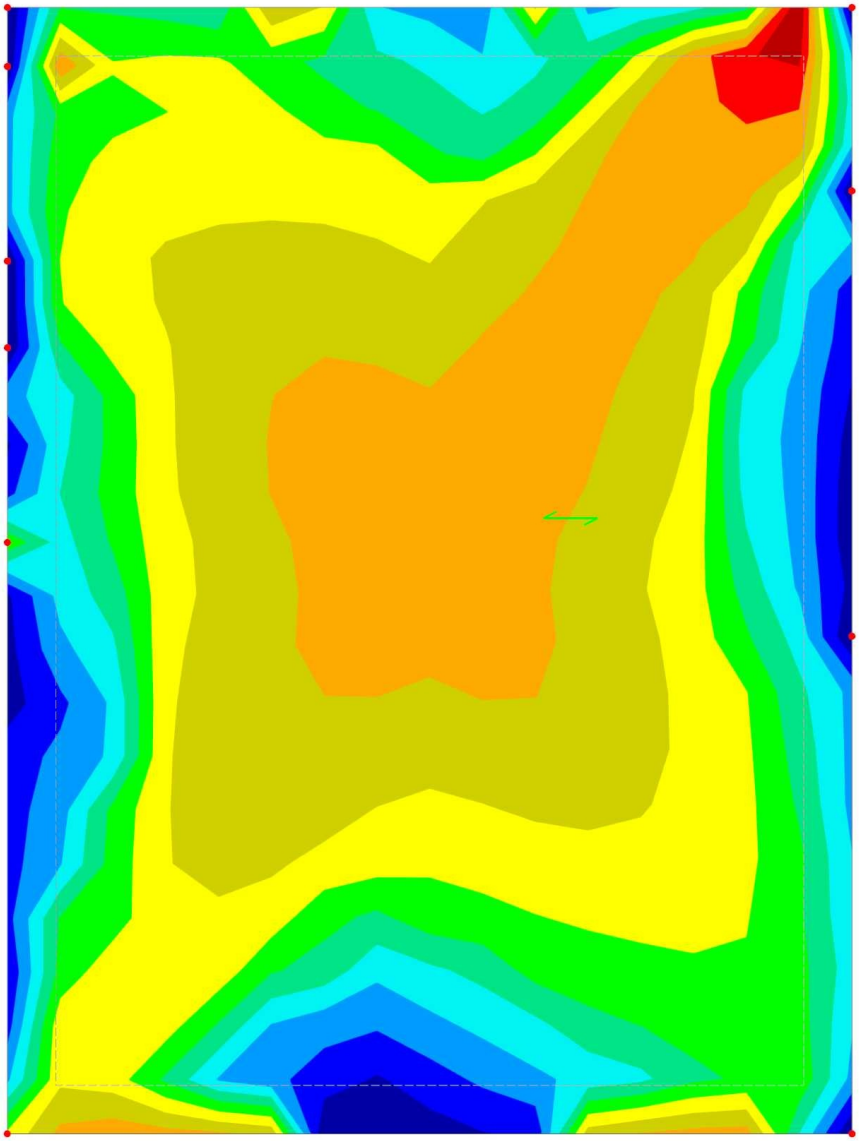
5.3.3.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

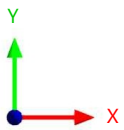
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

12.98	0.17 %
11.80	0.64 %
10.62	14.90 %
9.44	22.02 %
8.26	20.36 %
7.08	13.73 %
5.90	9.22 %
4.72	8.69 %
3.54	5.57 %
2.36	3.48 %
1.18	1.21 %
0.00	





2.500 m

Y
Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 12.98 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm^2/m

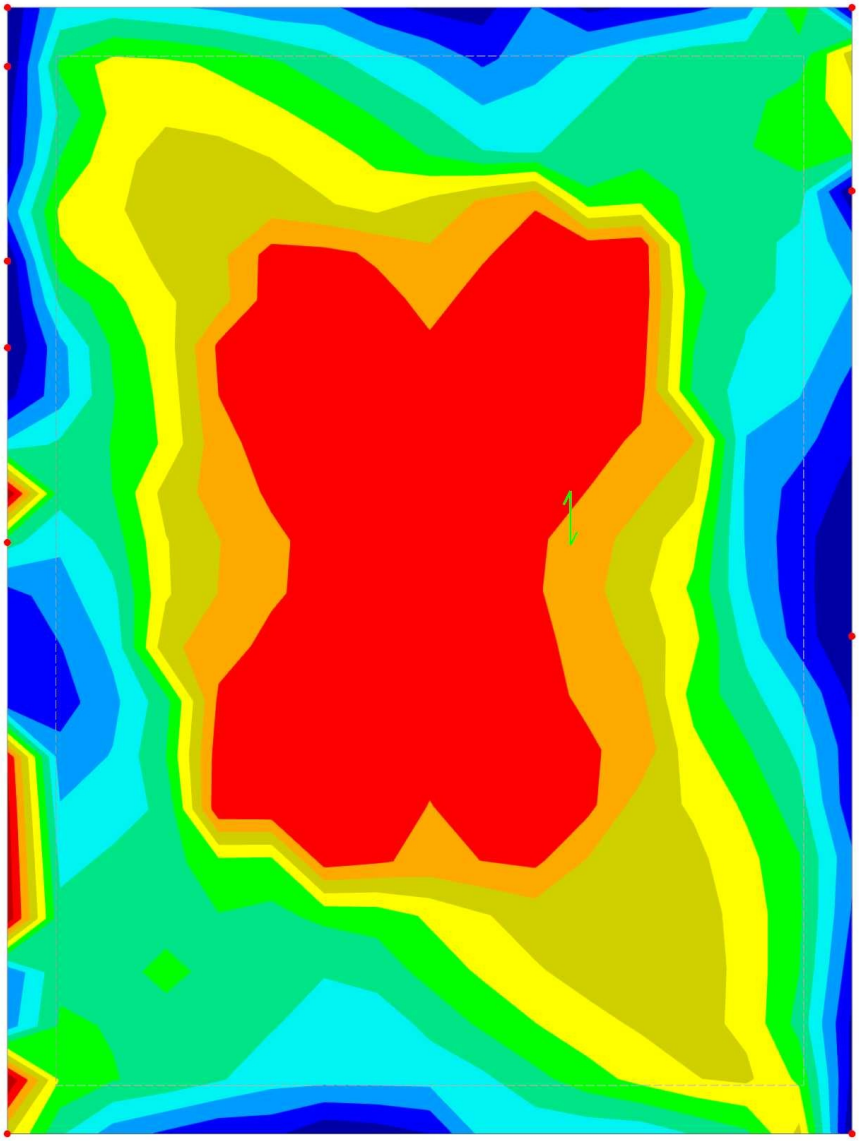
5.3.3.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

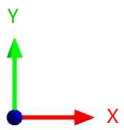
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

9.95	0.07 %
9.05	22.21 %
8.14	7.85 %
7.24	10.76 %
6.33	9.86 %
5.43	9.95 %
4.52	16.84 %
3.62	10.42 %
2.71	6.51 %
1.81	4.19 %
0.90	1.33 %
0.00	





2.500 m

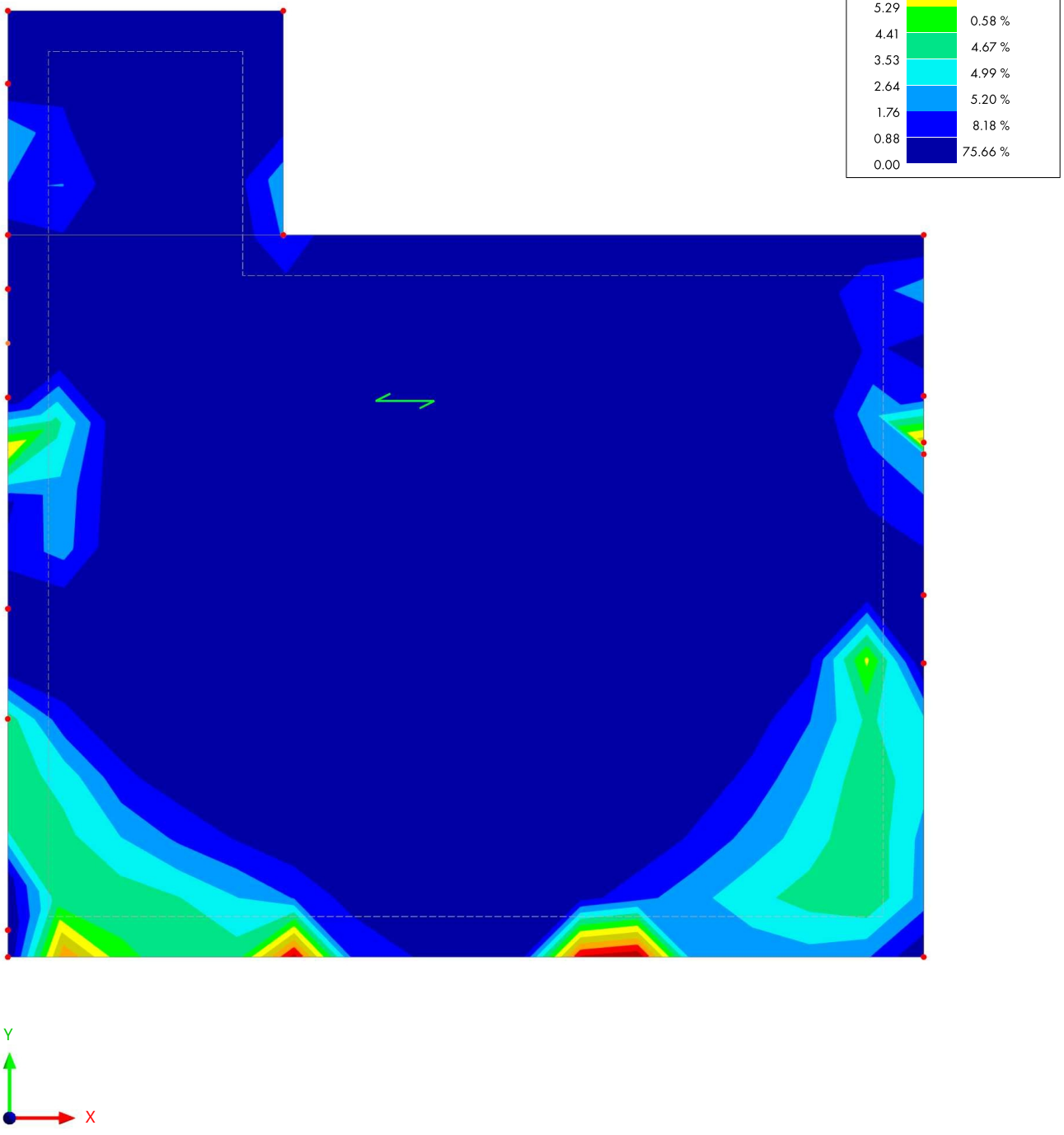
Y
Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 9.95 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.4 Slab No. 43

5.3.4.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z



Surfaces | max $a_{s,req,1,-z\ (top)}$: 9.70 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

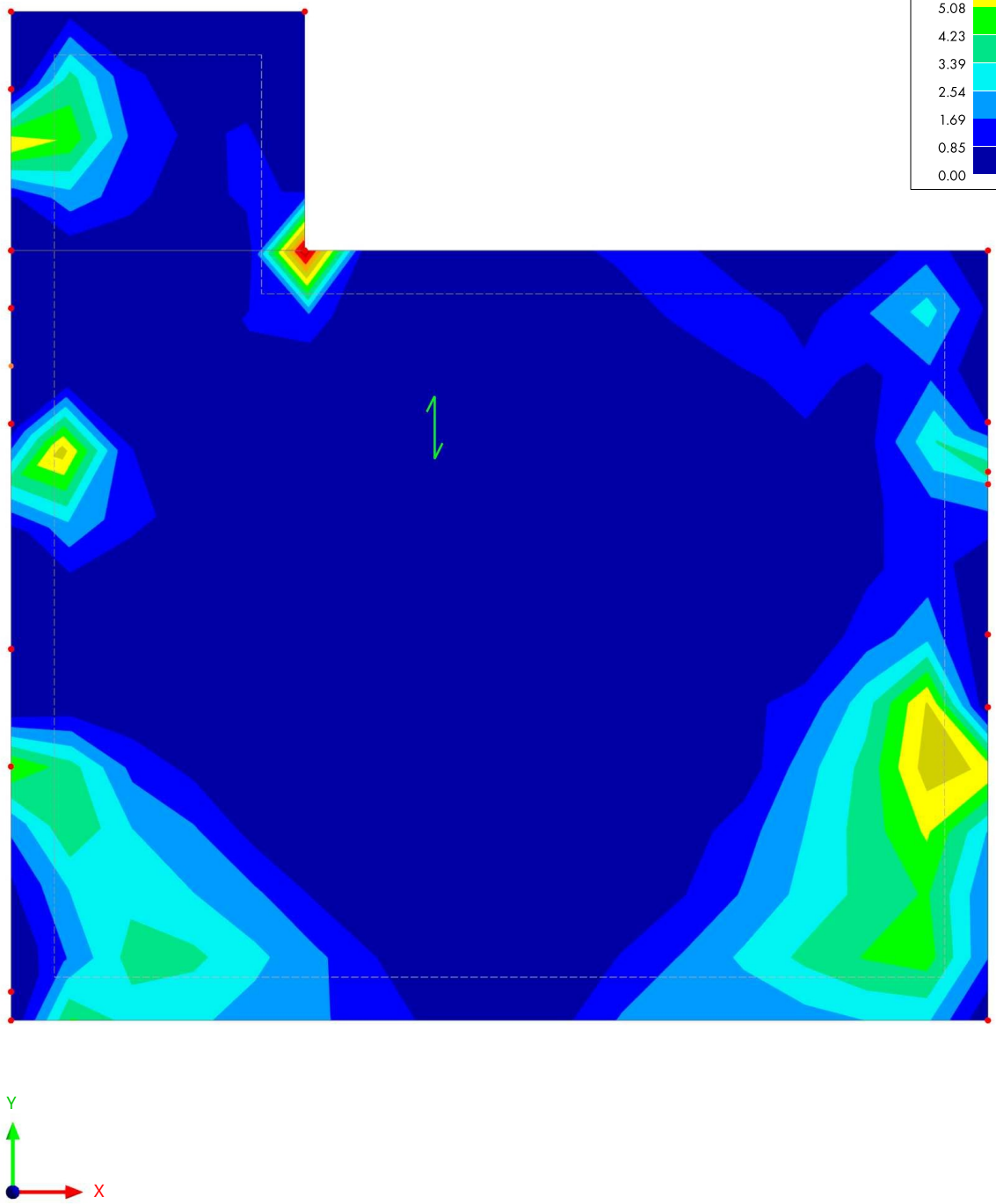
5.3.4.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm²/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,-z\ (top)}$ [cm²/m]

9.31	0.01 %
8.47	0.02 %
7.62	0.03 %
6.77	0.36 %
5.93	0.85 %
5.08	1.86 %
4.23	4.24 %
3.39	7.12 %
2.54	8.09 %
1.69	13.27 %
0.85	64.15 %
0.00	



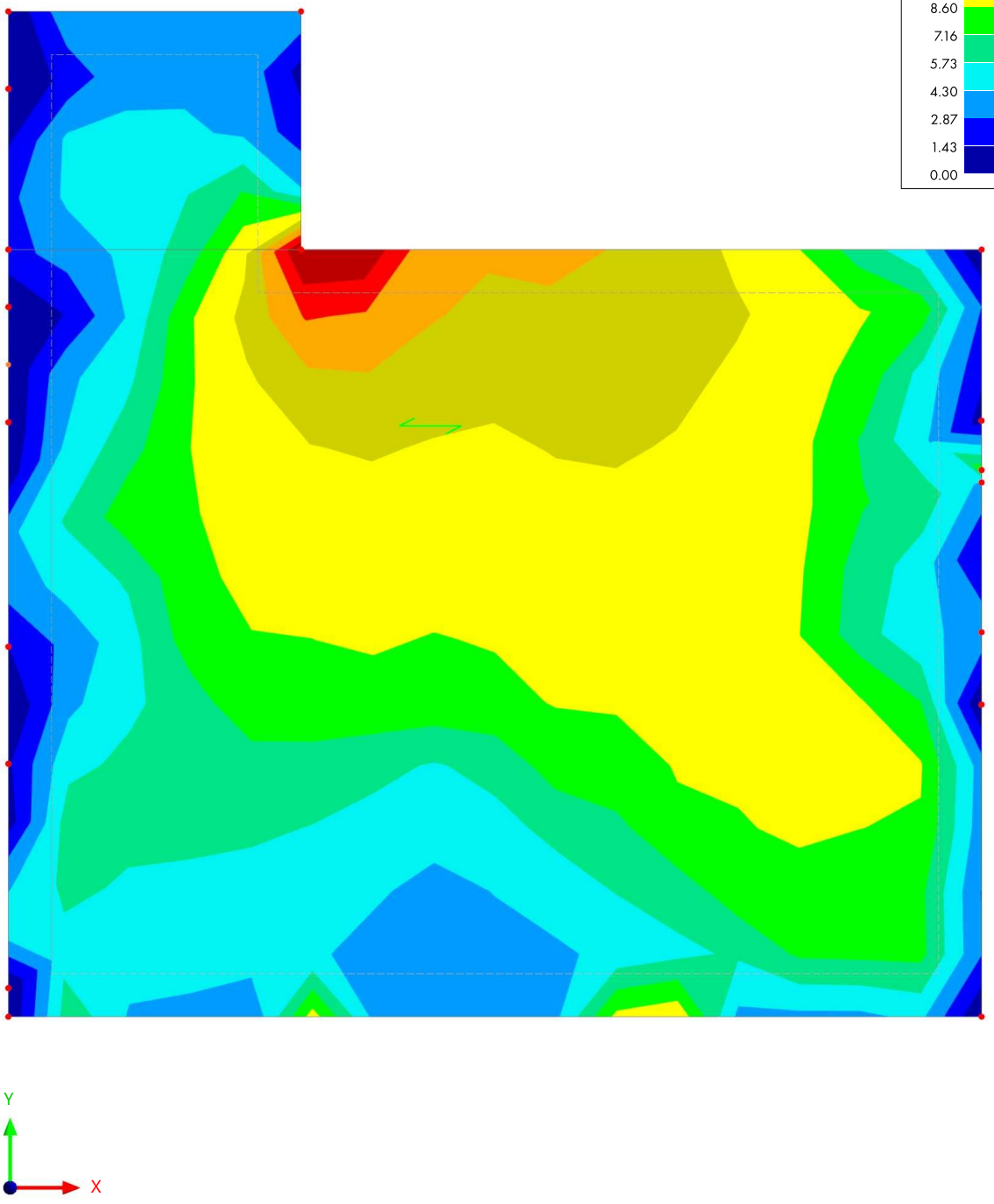
1.000 m

Surfaces | max $a_{s,req,2,-z\ (top)}$: 9.31 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm²/m

5.3.4.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm²/m]

In direction -Z

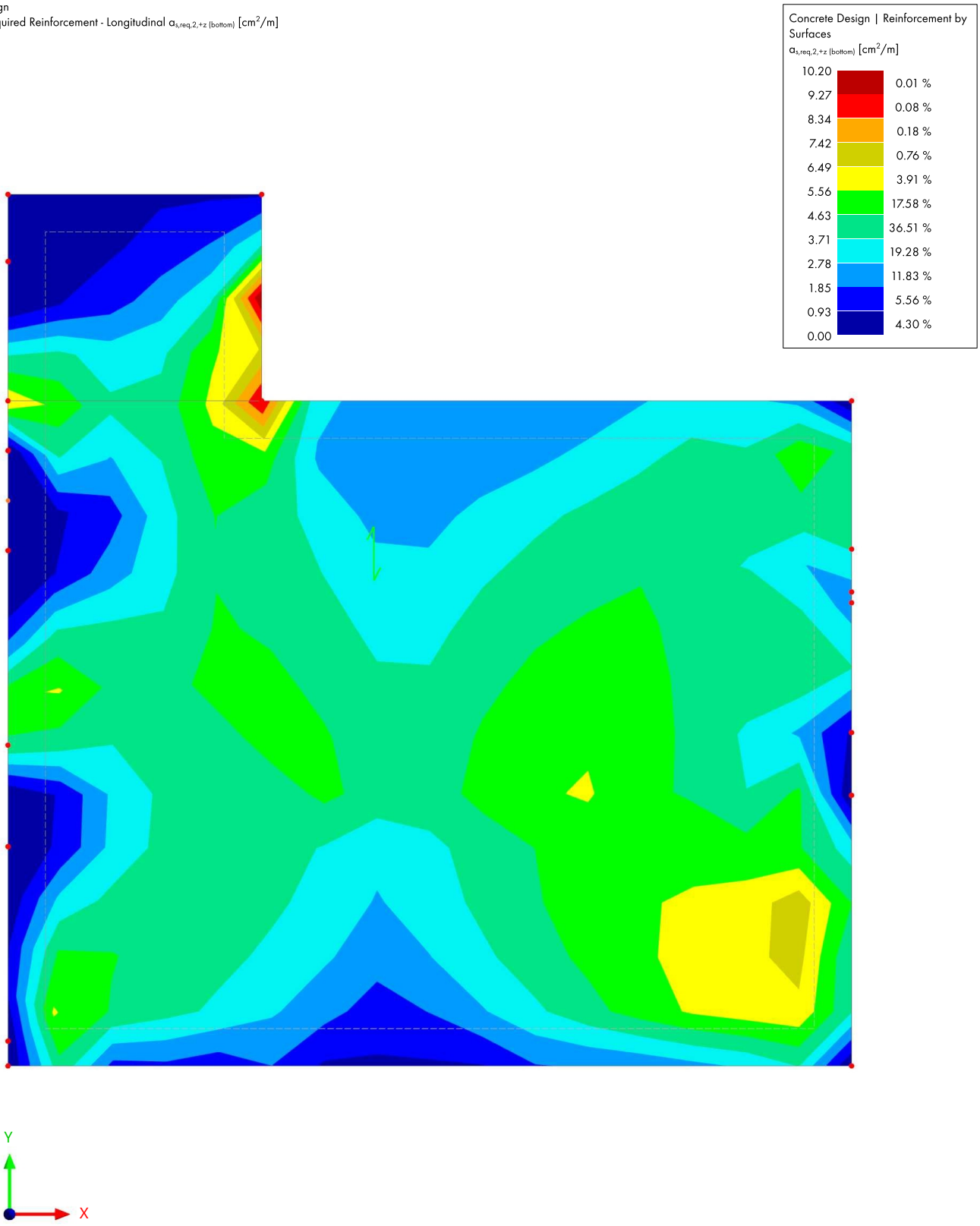


Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 15.76 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm²/m

5.3.4.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z



Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.20 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.5 Slab No. 83

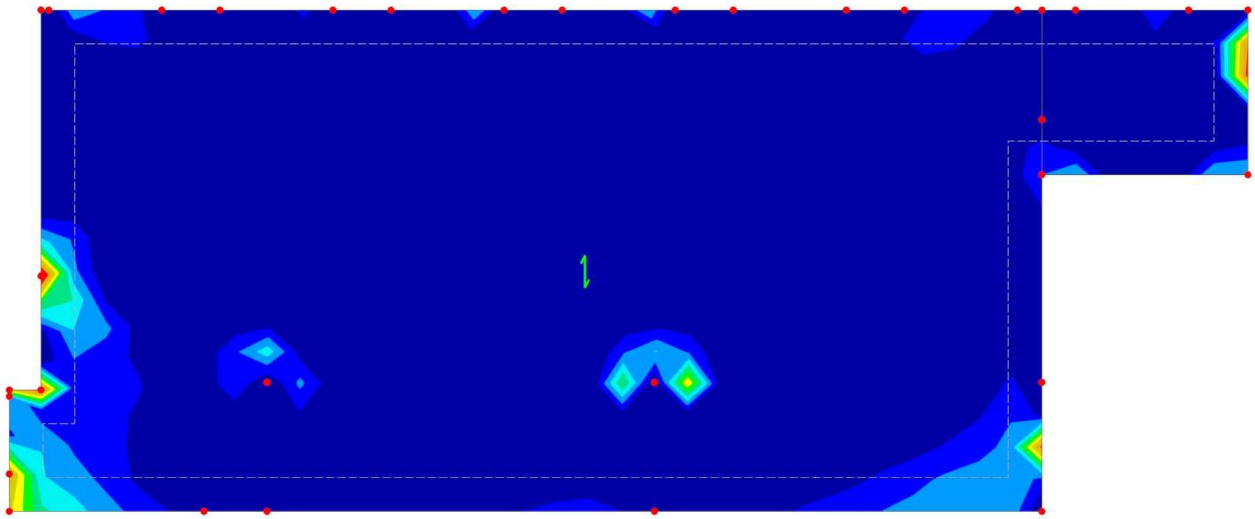
5.3.5.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

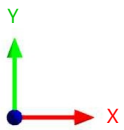
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,-z\ (top)}$ [cm^2/m]

11.79	0.00 %
10.72	0.02 %
9.65	0.06 %
8.58	0.13 %
7.50	0.19 %
6.43	0.24 %
5.36	0.40 %
4.29	0.79 %
3.22	3.31 %
2.14	6.87 %
1.07	87.99 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,-z\ (top)}$: 11.79 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

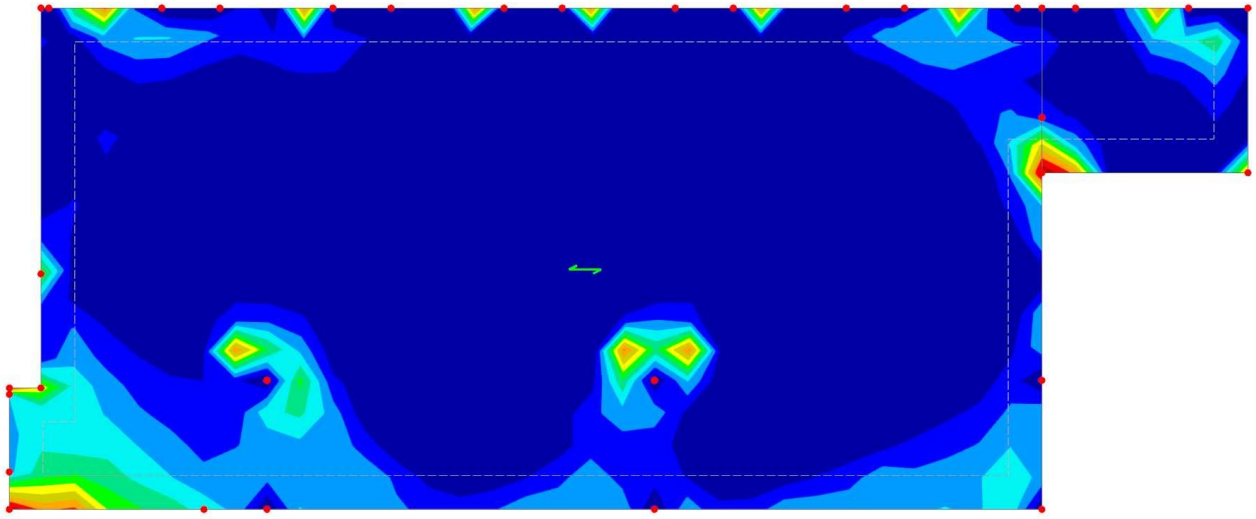
5.3.5.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

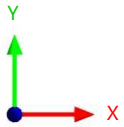
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm²/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,-z\ (top)}$ [cm²/m]

12.17	0.02 %
11.06	0.07 %
9.96	0.22 %
8.85	0.35 %
7.74	0.50 %
6.64	0.78 %
5.53	1.57 %
4.42	3.82 %
3.32	9.89 %
2.21	13.46 %
1.11	69.34 %
0.00	





2.500 m

Surfaces | max $a_{s,req,2,-z\ (top)}$: 12.17 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm²/m

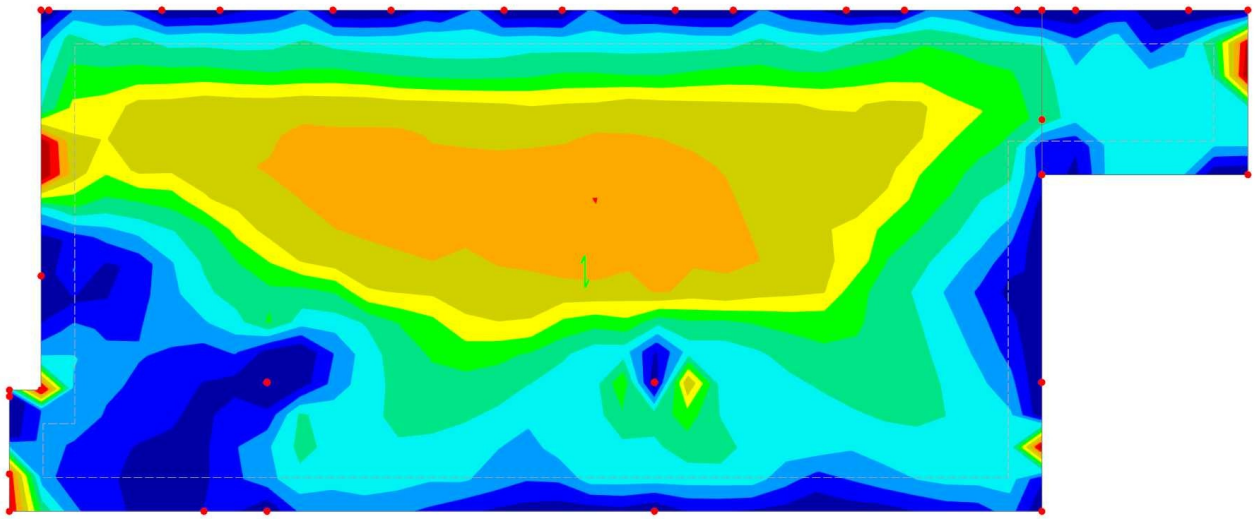
5.3.5.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

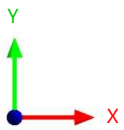
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

10.26	0.09 %
9.33	0.17 %
8.40	10.41 %
7.46	14.61 %
6.53	6.61 %
5.60	8.08 %
4.66	14.03 %
3.73	20.25 %
2.80	10.62 %
1.87	9.81 %
0.93	5.33 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 10.26 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm^2/m

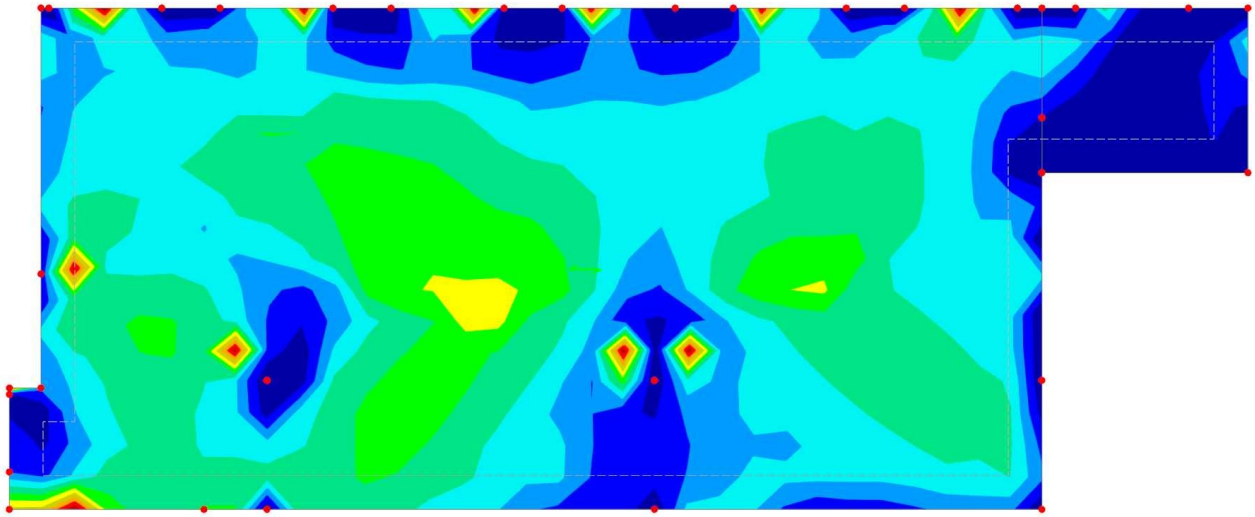
5.3.5.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

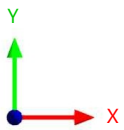
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

10.25	0.03 %
9.32	0.12 %
8.39	0.21 %
7.46	0.33 %
6.53	1.13 %
5.59	9.48 %
4.66	26.18 %
3.73	32.06 %
2.80	14.24 %
1.86	8.55 %
0.93	7.67 %
0.00	





2.500 m

Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.25 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.6 Slab No.56,57

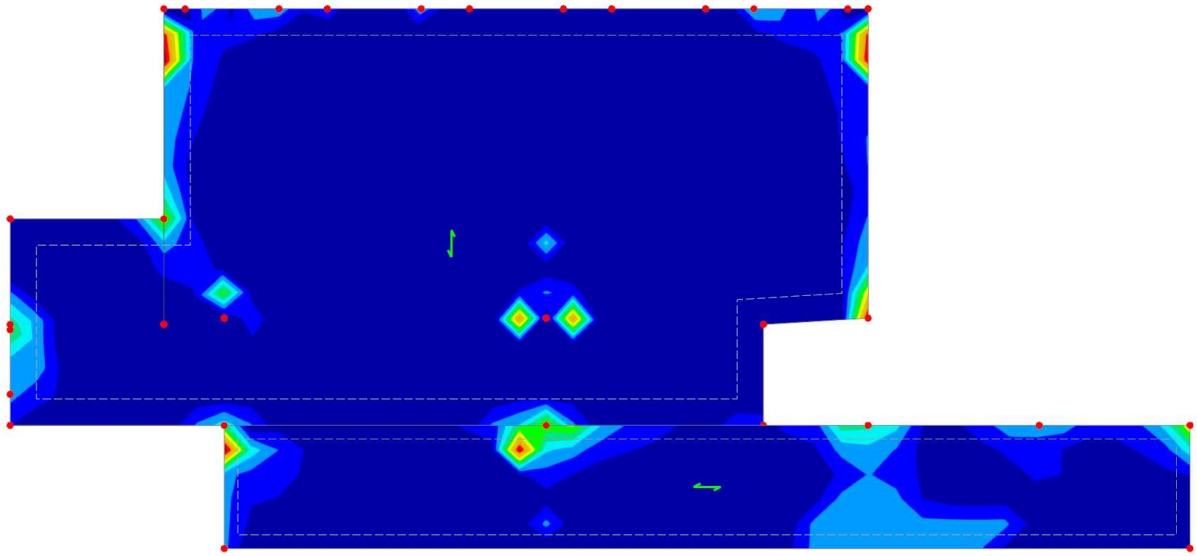
5.3.6.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

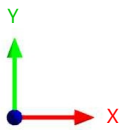
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,-z\ (top)}$ [cm^2/m]

10.26	0.01 %
9.33	0.06 %
8.40	0.11 %
7.46	0.15 %
6.53	0.22 %
5.60	0.46 %
4.66	0.61 %
3.73	1.08 %
2.80	5.21 %
1.87	10.50 %
0.93	81.59 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,-z\ (top)}$: 10.26 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

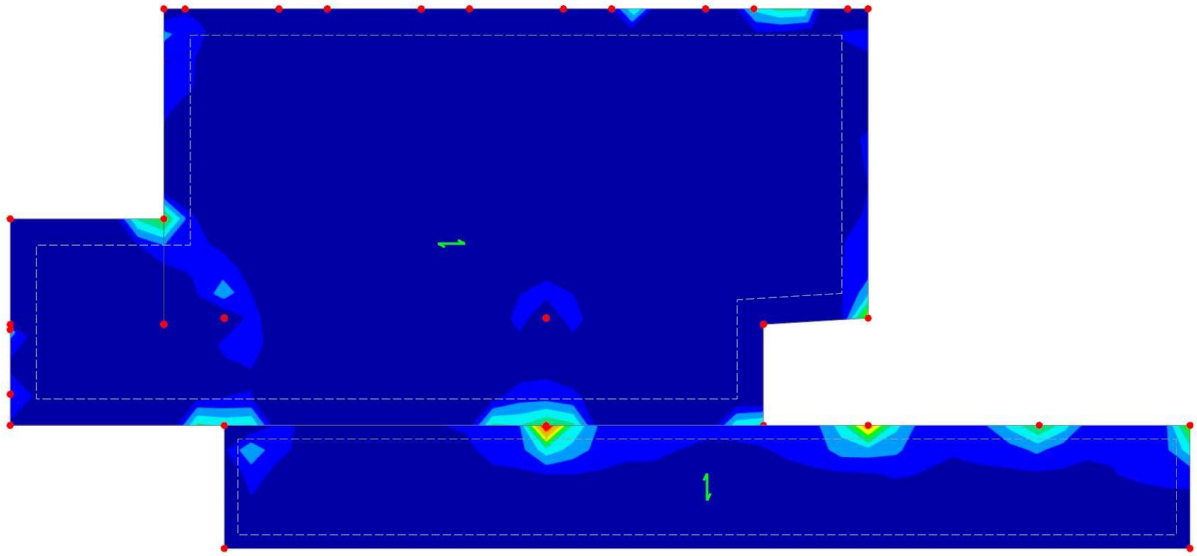
5.3.6.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

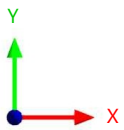
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,-z\ (top)}$ [cm^2/m]

26.24	0.00 %
23.85	0.01 %
21.47	0.01 %
19.08	0.03 %
16.70	0.05 %
14.31	0.09 %
11.93	0.29 %
9.54	0.97 %
7.16	1.83 %
4.77	9.80 %
2.39	86.92 %
0.00	





2.500 m

Surfaces | max $a_{s,req,2,-z\ (top)}$: 26.24 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/m

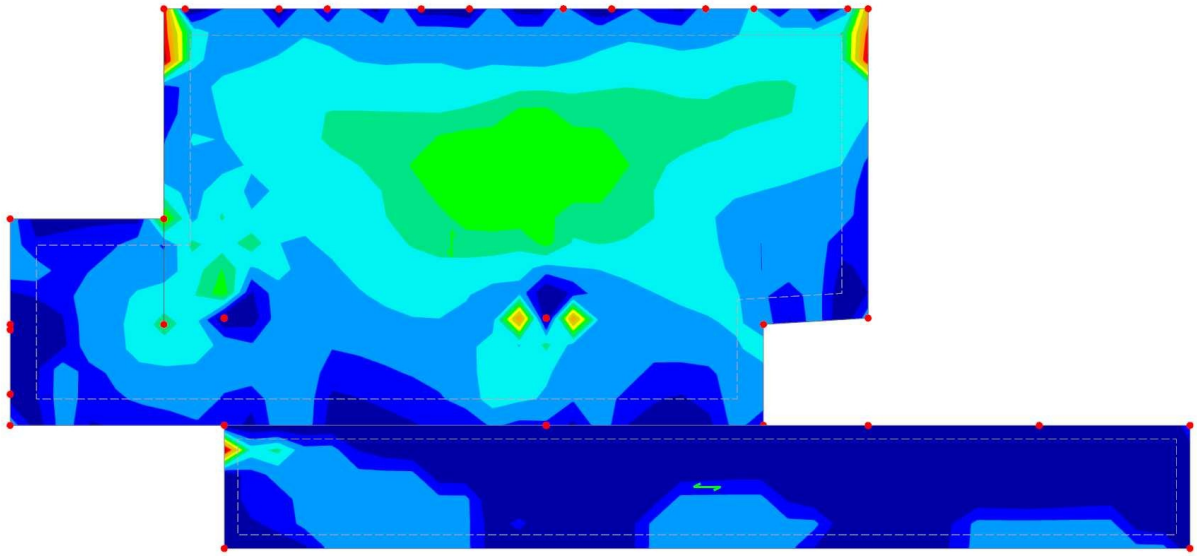
5.3.6.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

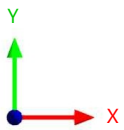
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

10.26	0.01 %
9.33	0.08 %
8.40	0.13 %
7.46	0.17 %
6.53	0.21 %
5.60	4.64 %
4.66	7.99 %
3.73	23.77 %
2.80	30.71 %
1.87	11.17 %
0.93	21.13 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 10.26 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm^2/m

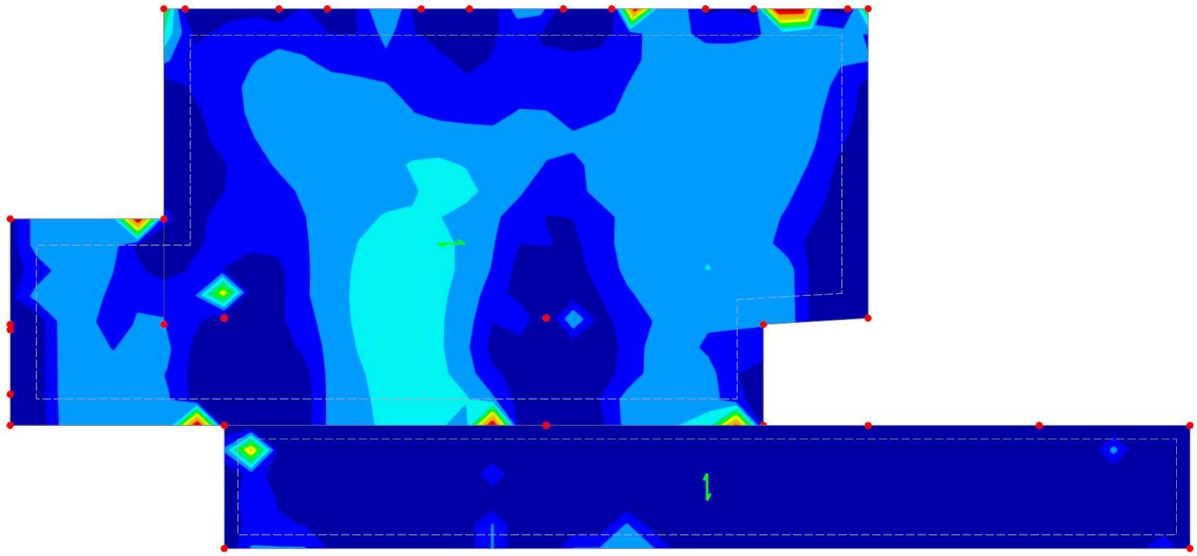
5.3.6.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

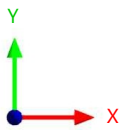
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

10.26	0.02 %
9.33	0.04 %
8.39	0.06 %
7.46	0.08 %
6.53	0.13 %
5.60	0.19 %
4.66	0.26 %
3.73	5.68 %
2.80	31.37 %
1.87	21.58 %
0.93	40.59 %
0.00	





2.500 m

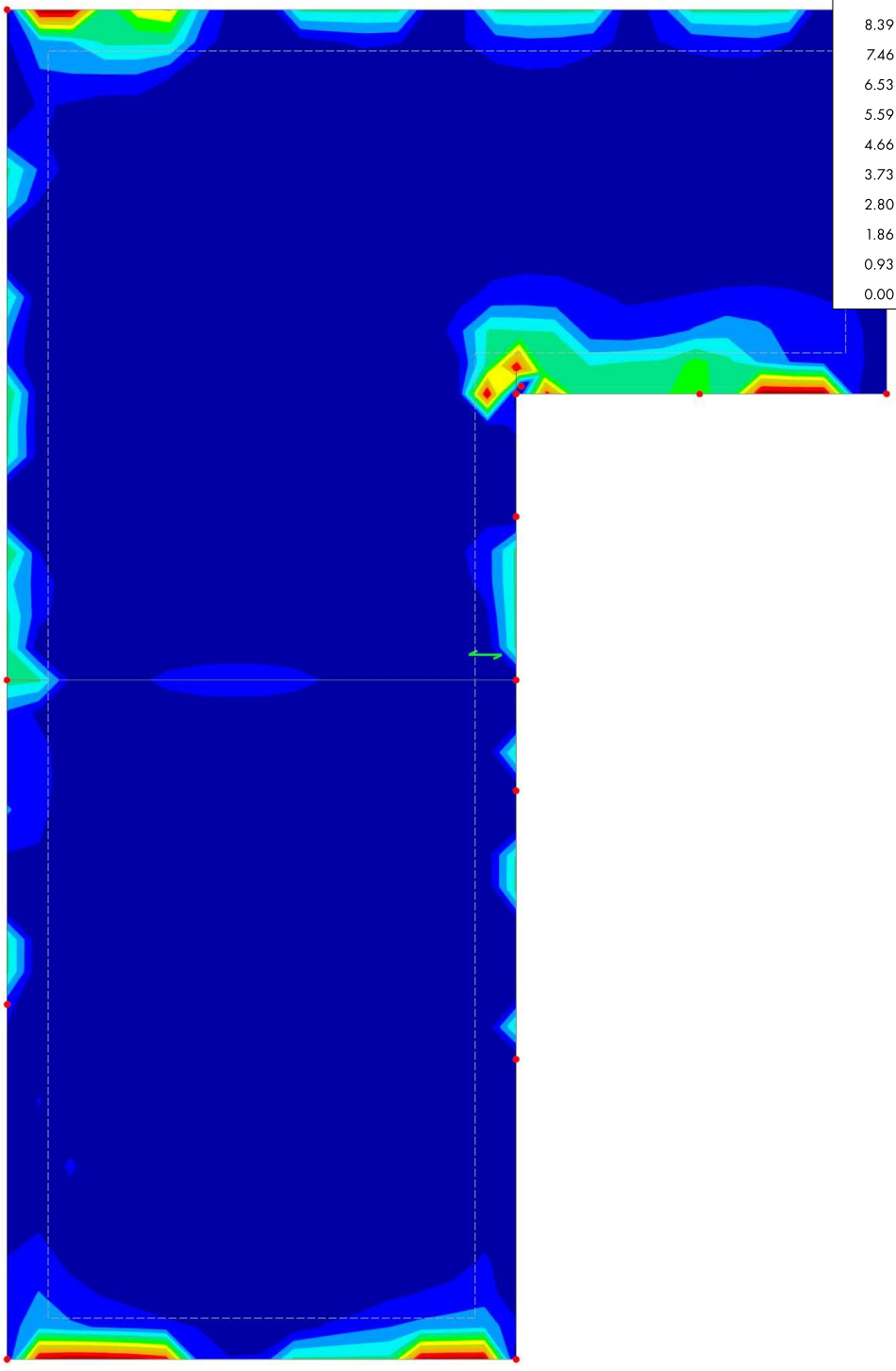
Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.26 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.7 Slab No. 73

5.3.7.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

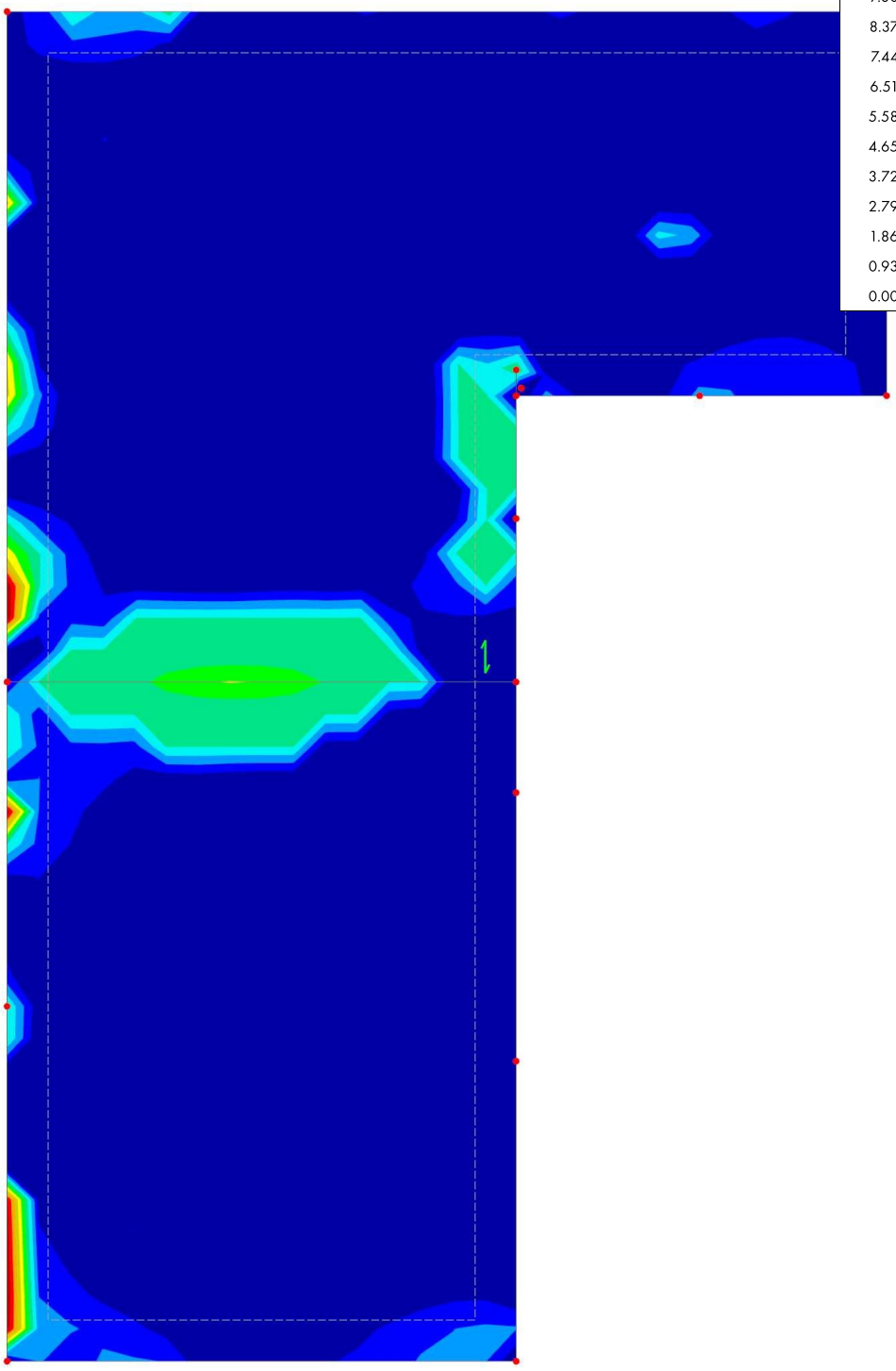


Surfaces | max $a_{s,req,1,-z\ (top)}$: 10.26 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

5.3.7.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

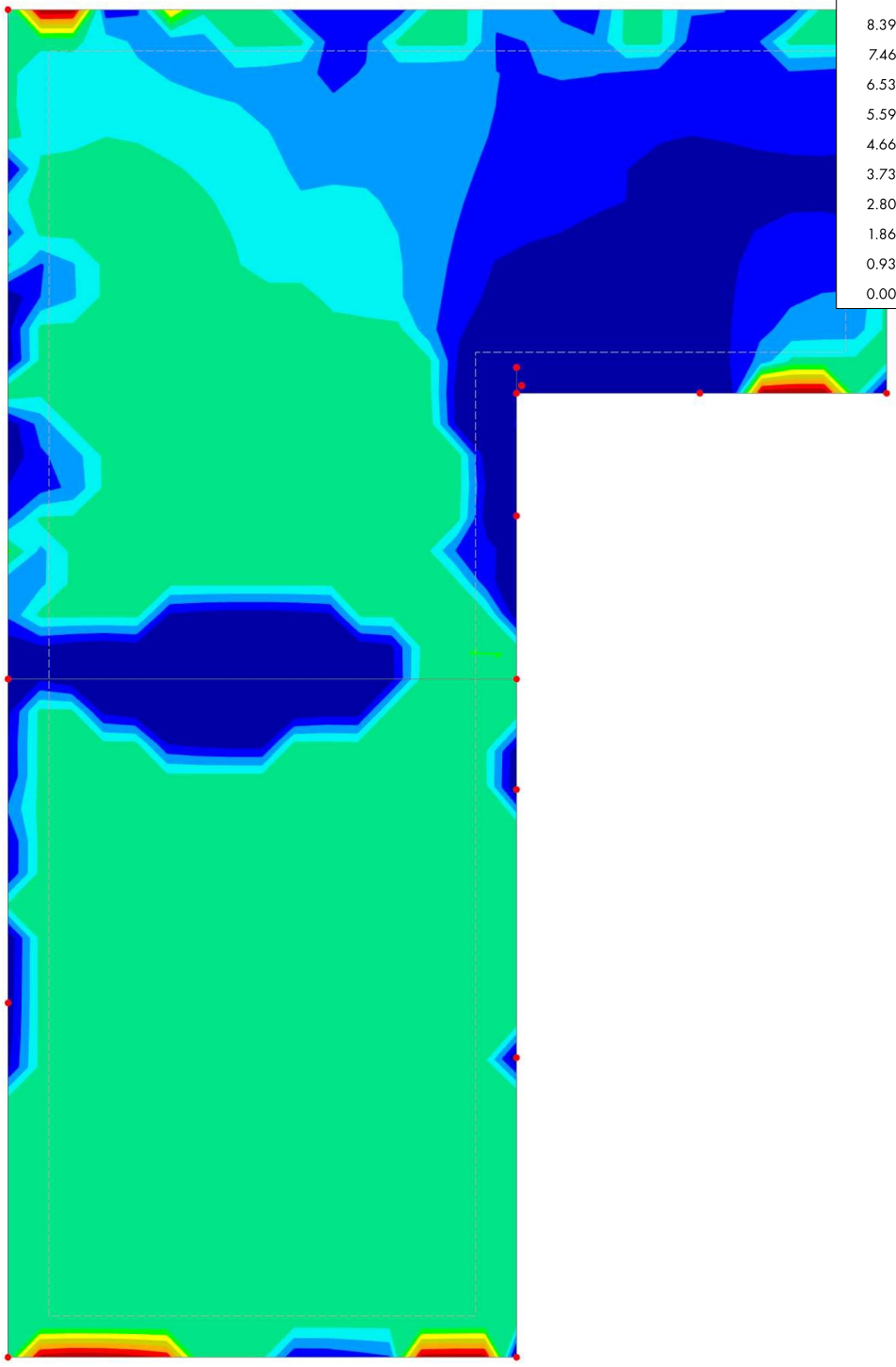


Surfaces | max $a_{s,req,2,-z\ (top)}$: 10.23 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/m

5.3.7.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

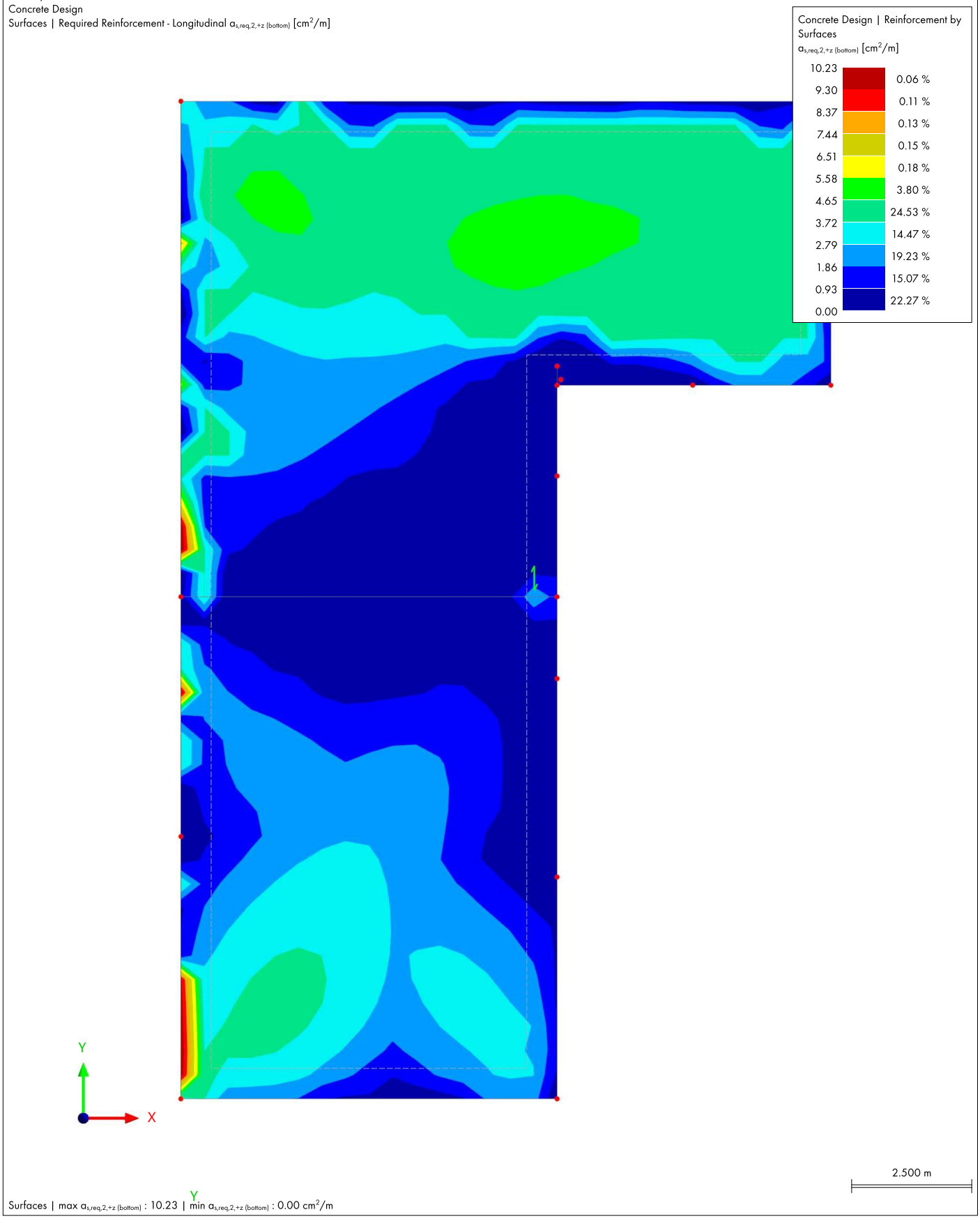


Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 10.26 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm^2/m

5.3.7.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm²/m]

In direction -Z



Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.23 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm²/m

5.3.8 Slab No. 74

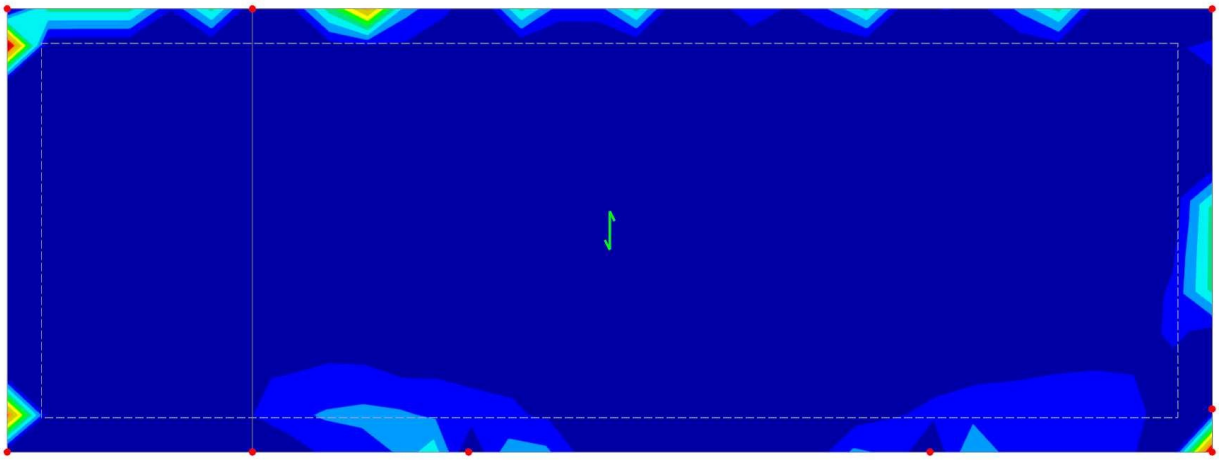
5.3.8.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

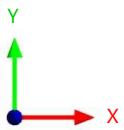
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,-z\ (top)}$ [cm^2/m]

9.98	0.00 %
9.08	0.01 %
8.17	0.03 %
7.26	0.05 %
6.35	0.08 %
5.45	0.11 %
4.54	0.28 %
3.63	0.90 %
2.72	1.94 %
1.82	8.38 %
0.91	88.21 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,-z\ (top)}$: 9.98 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

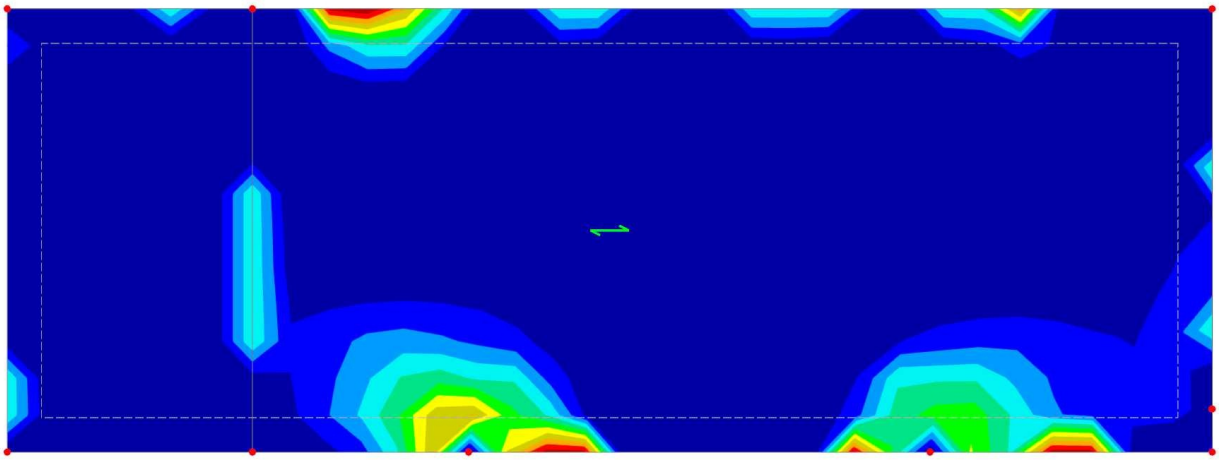
5.3.8.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

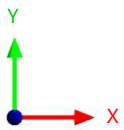
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,-z\ (top)}$ [cm^2/m]

10.72	0.07 %
9.75	0.15 %
8.77	0.21 %
7.80	0.59 %
6.82	0.67 %
5.85	1.33 %
4.87	2.05 %
3.90	3.23 %
2.92	4.37 %
1.95	9.64 %
0.97	77.70 %
0.00	





2.500 m

Surfaces | max $a_{s,req,2,-z\ (top)}$: 10.72 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/m

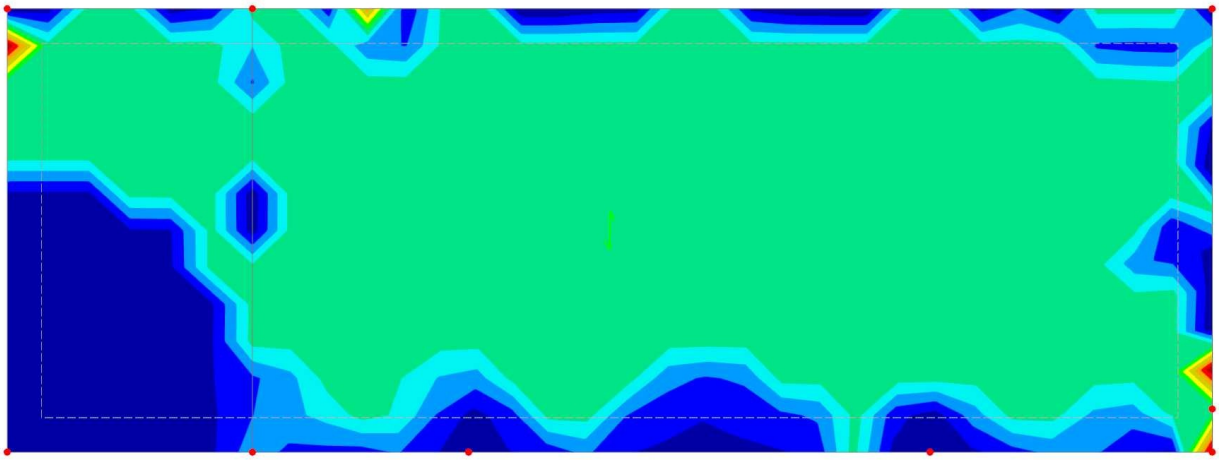
5.3.8.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

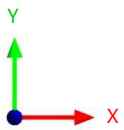
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

9.98	0.01 %
9.08	0.04 %
8.17	0.07 %
7.26	0.10 %
6.35	0.14 %
5.45	0.18 %
4.54	66.39 %
3.63	8.19 %
2.72	7.86 %
1.82	6.29 %
0.91	10.73 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 9.98 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm^2/m

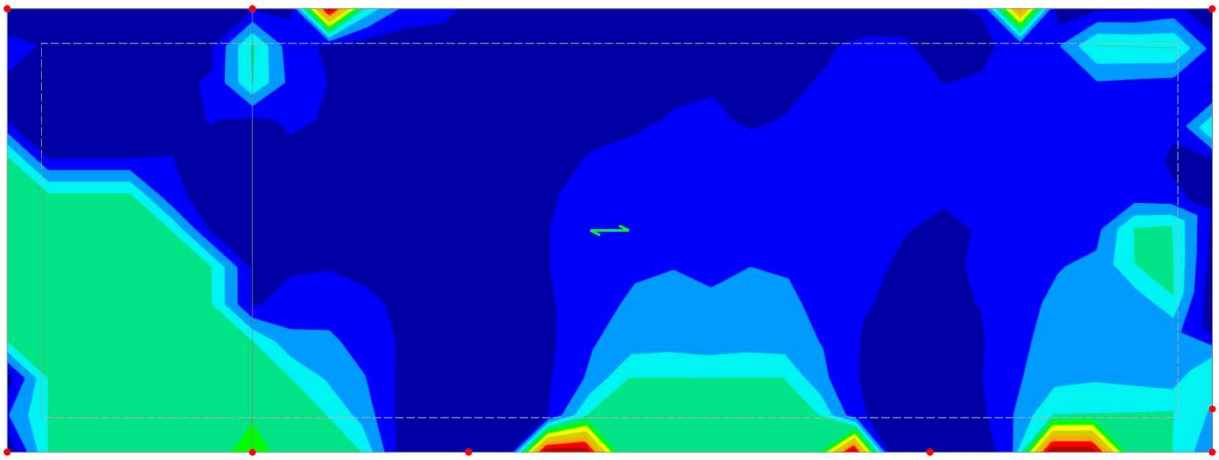
5.3.8.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

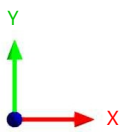
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z

Concrete Design | Reinforcement by Surfaces
$a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

10.26	0.08 %
9.33	0.12 %
8.40	0.15 %
7.46	0.19 %
6.53	0.23 %
5.60	0.38 %
4.66	14.95 %
3.73	5.41 %
2.80	10.41 %
1.87	30.34 %
0.93	37.73 %
0.00	



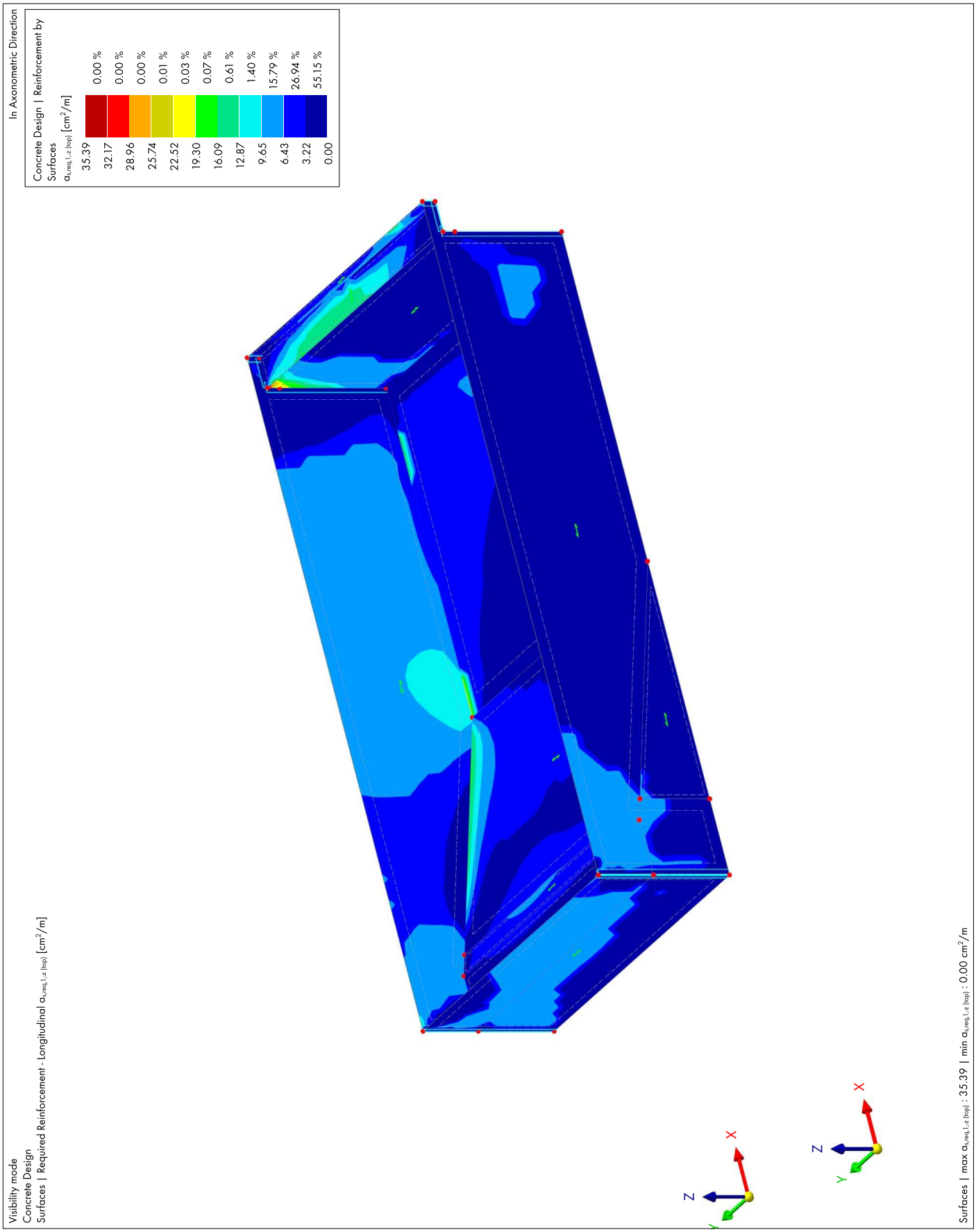


2.500 m

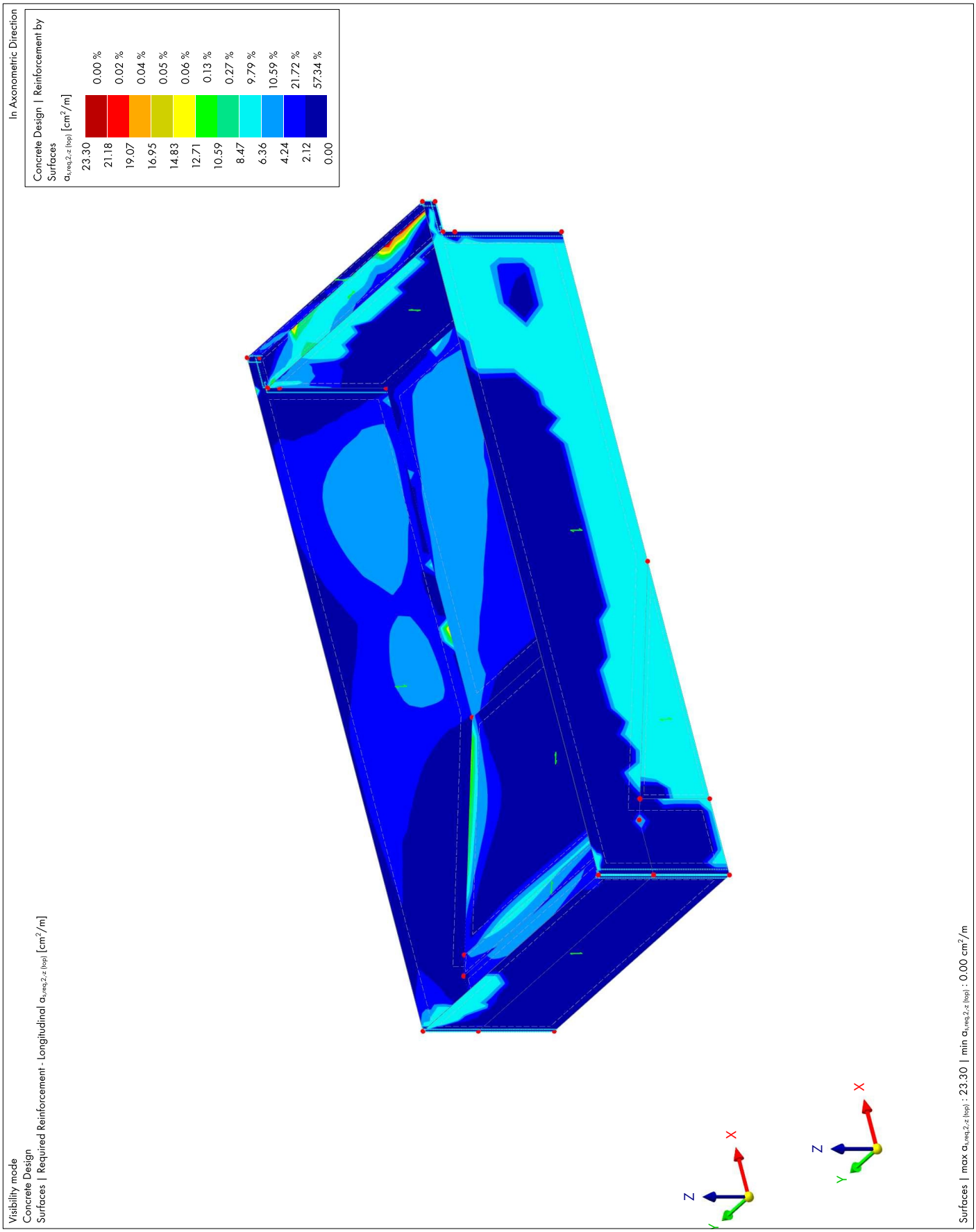
Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.26 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.9 Reinforcement of pool

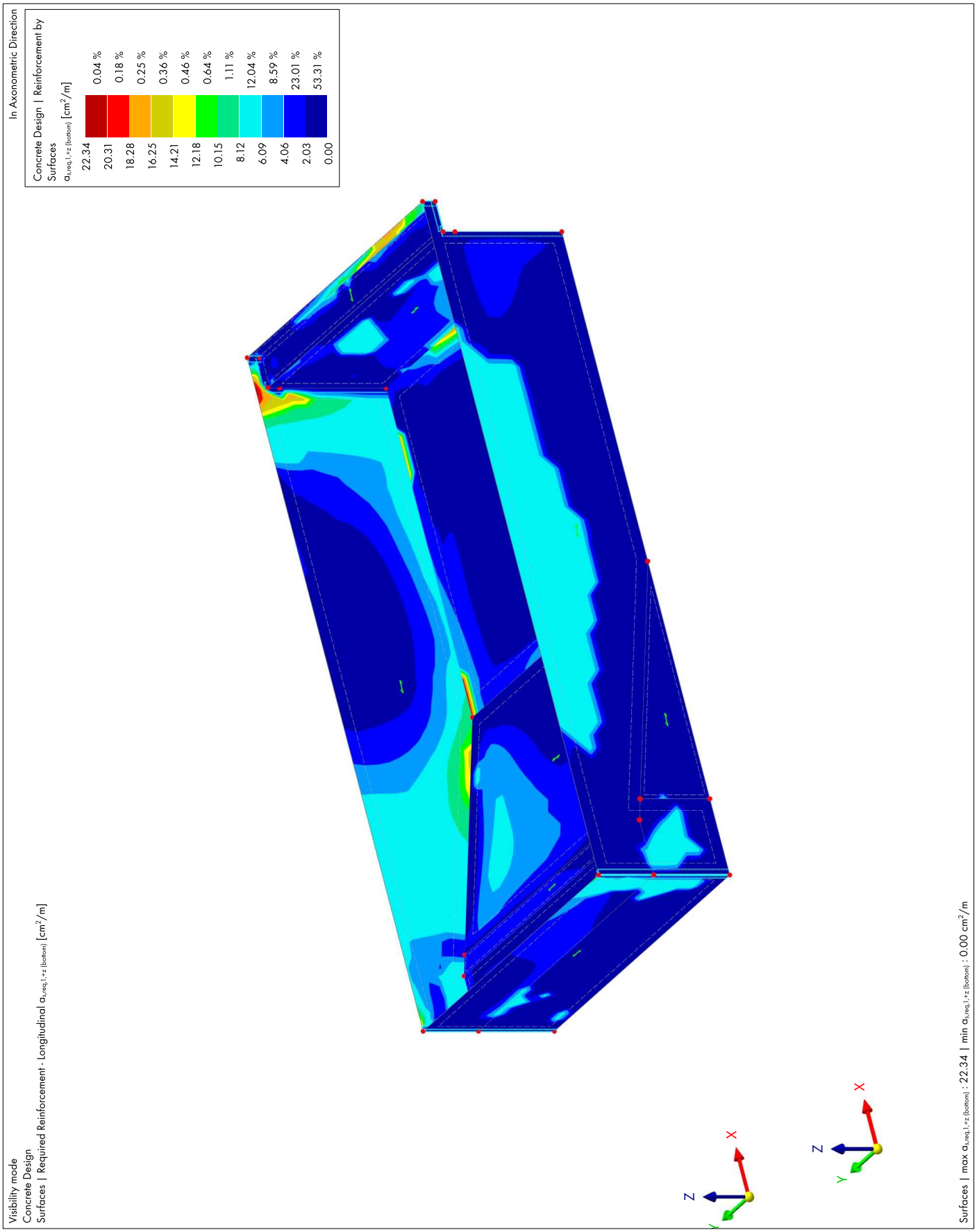
5.3.9.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN AXONOMETRIC DIRECTION



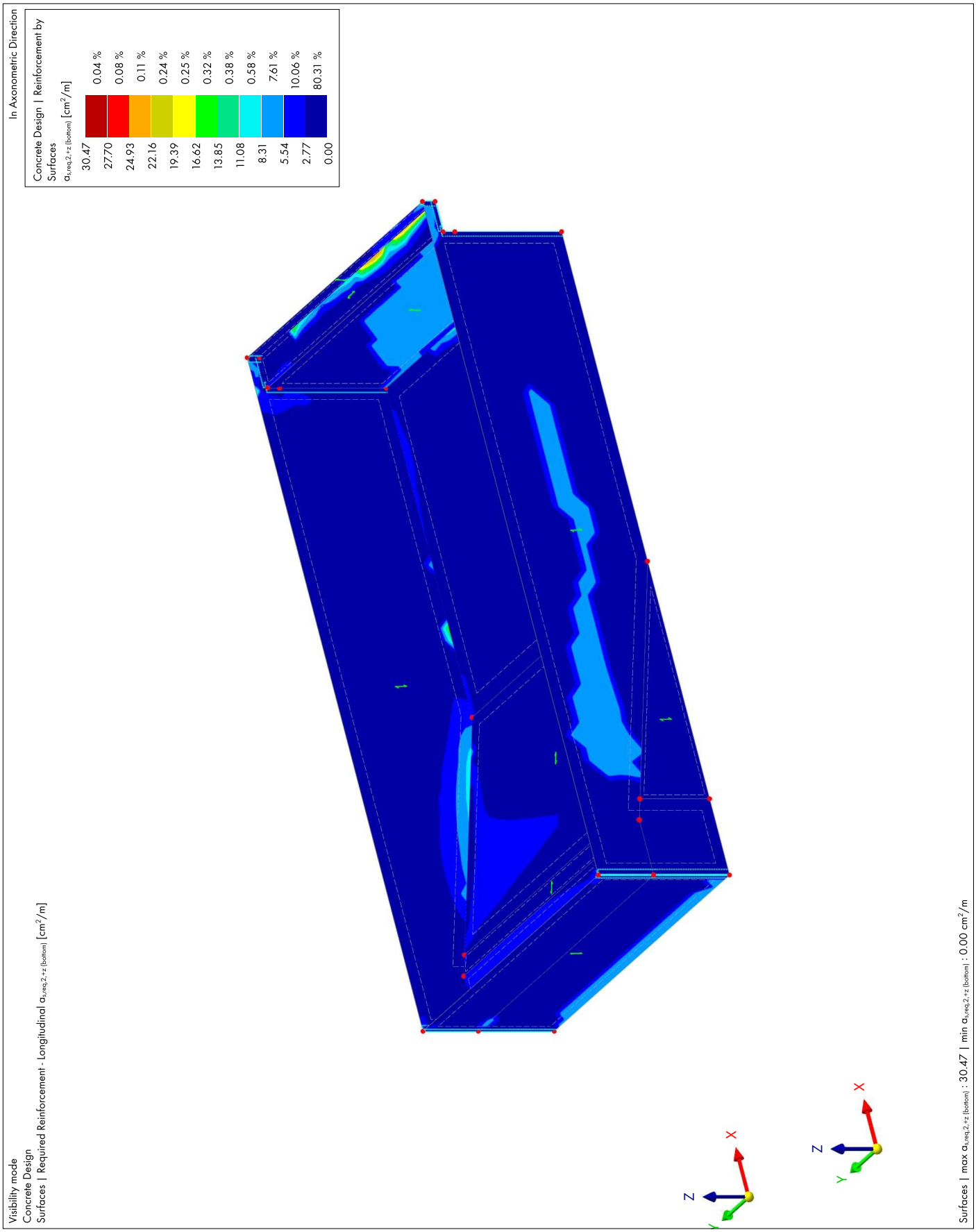
5.3.9.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN AXONOMETRIC DIRECTION



5.3.9.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN AXONOMETRIC DIRECTION



5.3.9.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN AXONOMETRIC DIRECTION



6 Steel Design

6.1 OBJECTS TO DESIGN

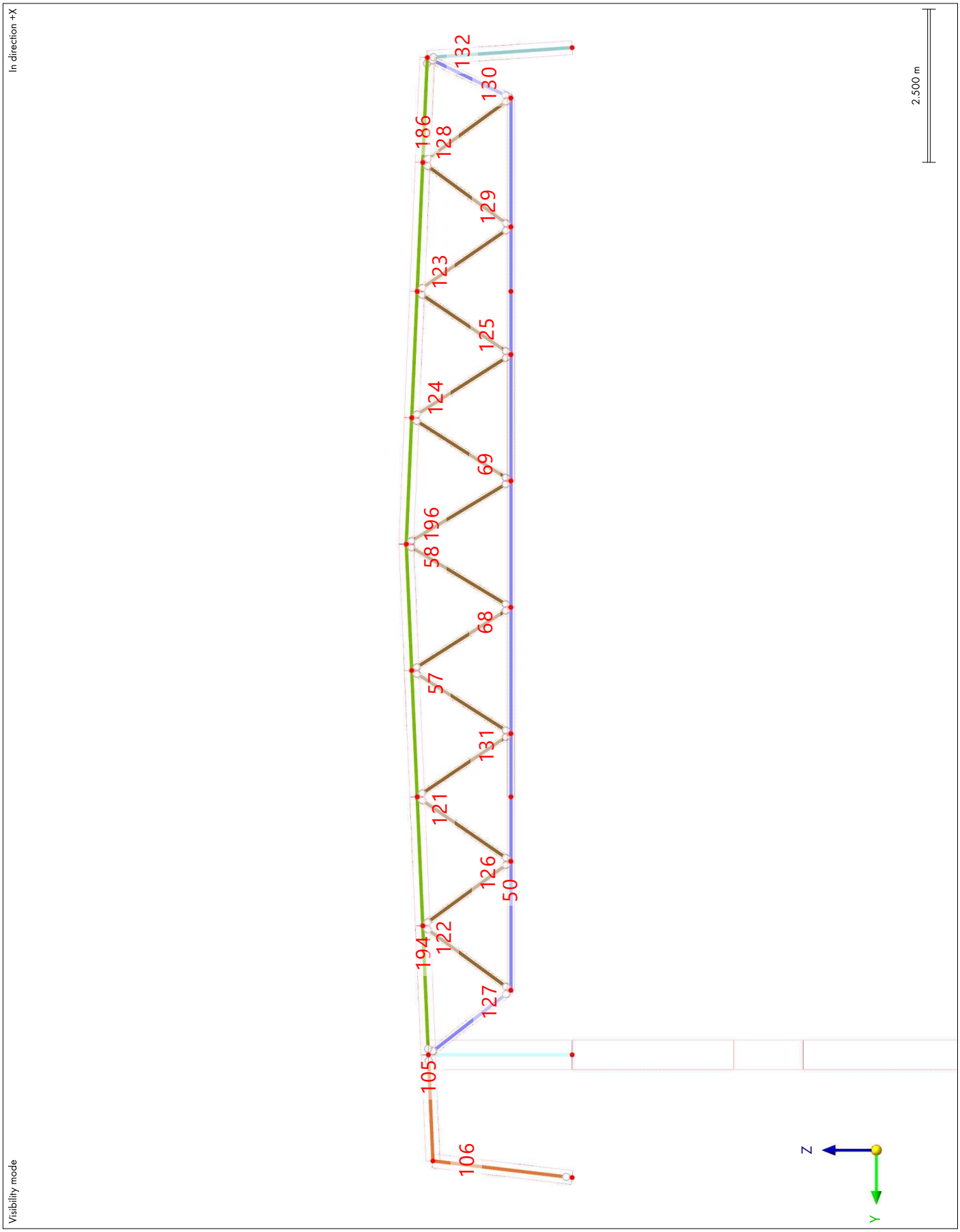
	Object Type	Design All	Objects to Design Selected	To Calculate	Removed	Not Valid / Deact.	Comment
	Members	☐	253,254,286	253,254,286			
	Member Sets	☐	50,57,58,68,69,121 -131,186,194,196	50,57,58,68,69,121 -131,186,194,196			
	Surfaces	☒	1-3,5-12,14-32,35-39,43,44,50-59,61-74,76-103,106-116				

6.2 DESIGN SITUATIONS

DS No.	EN 1990 | LST |2012-01 Design Situation Type	To Design	Active	EN 1993 | LST | 2017-01 Design Situation Type	Combinations to Design for Enumeration Method
1	ULS ULS (STR/GEO) - Permanent and transient - Eq. 6.10	☒	☒	ULS ULS (STR/GEO) - Permanent and transient	All
2	S Ch SLS - Characteristic	☒	☒	S Ch SLS - Characteristic	All
3	S Fr SLS - Frequent	☒	☒	S Fr SLS - Frequent	All
4	S Qp SLS - Quasi-permanent	☒	☒	S Qp SLS - Quasi-permanent	All

6.3 Results

6.3.1 MODEL, IN DIRECTION +X



6.3.2 DESIGN RATIOS ON MEMBERS BY MEMBER SET

Steel Design

Member Set No.	Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check Ratio η [--]	Design Check Type	Description
	150-158 | Continuous Members | 6759707							
50	153	0.000		DS1	CO5	0.650	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
	157	1.050		DS1	CO3	0.017	SP3100.02	Section Proof | Shear in z-axis acc. to EN 1993-1-1, 6.2.6(2) | Plastic design
	152	0.000		DS1	CO4	0.001	SP3200.02	Section Proof | Shear in y-axis acc. to EN 1993-1-1, 6.2.6(2) | Plastic design
	150	0.000		DS1	CO1	0.000	SP3500.00	Section Proof | Shear buckling acc. to EN 1993-1-5, 5.1, 5.2, 5.3 and 5.5
	151	1.050		DS1	CO3	0.058	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.050		DS1	CO5	0.008	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
	157	0.000		DS1	CO2	0.005	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
	153	1.029		DS1	CO5	0.683	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
	155	0.000		DS1	CO5	0.635	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
	152	0.000		DS1	CO3	0.061	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
	150	0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
	154	1.029		DS2	CO10	0.476	SE1100.00	Serviceability | Deflections in z-direction
	156	1.029		DS2	CO9	0.007	SE1200.00	Serviceability | Deflections in y-direction
	193 | Continuous Members | 6759787							
57	193	0.000		DS1	CO5	0.122	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		0.958		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.915		DS1	CO4	0.006	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.958		DS1	CO4	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		1.915		DS1	CO5	0.126	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.186	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.186	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.193	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.958		DS2	CO9	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.958		DS2	CO9	0.008	SE1200.00	Serviceability | Deflections in y-direction
	194 | Continuous Members | 6759795							
58	194	1.991		DS1	CO3	0.008	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.995		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.991		DS1	CO4	0.002	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.995		DS1	CO4	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		1.991		DS1	CO3	0.010	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO4	0.004	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.995		DS2	CO6	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.995		DS2	CO9	0.005	SE1200.00	Serviceability | Deflections in y-direction
	204 | Continuous Members | 6760203							
68	204	1.915		DS1	CO1	0.000	SP0100.00	Section Proof | Negligible internal forces
		0.000		DS1	CO2	0.008	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.958		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO4	0.004	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.958		DS1	CO5	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO3	0.010	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.958		DS1	CO4	0.000	SP6500.04	Section Proof | Biaxial bending and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO4	0.005	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.958		DS2	CO6	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.958		DS2	CO9	0.004	SE1200.00	Serviceability | Deflections in y-direction

6.3.2 DESIGN RATIOS ON MEMBERS BY MEMBER SET

Steel Design

Member Set No.	Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check Ratio η [--]	Design Check Type	Description
	205 | Continuous Members | 6760211							
69	205	0.000		DS1	CO5	0.031	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.958		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO4	0.001	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.958		DS1	CO1	0.003	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.032	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.958		DS1	CO1	0.000	ST2100.00	Stability | Lateral torsional buckling acc. to EN 1993-1-1, 6.3.2
		0.000		DS1	CO5	0.003	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.958		DS2	CO8	0.006	SE1100.00	Serviceability | Deflections in z-direction
	275 | Continuous Members | 6761068							
121	275	0.000		DS1	CO5	0.271	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		0.000		DS1	CO4	0.001	SP3200.02	Section Proof | Shear in y-axis acc. to EN 1993-1-1, 6.2.6(2) | Plastic design
		0.926		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.853		DS1	CO4	0.015	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.926		DS1	CO1	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		1.853		DS1	CO5	0.282	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.404	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.404	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.414	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.926		DS2	CO8	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.926		DS2	CO6	0.008	SE1200.00	Serviceability | Deflections in y-direction
	276 | Continuous Members | 6761076							
122	276	0.000		DS1	CO5	0.453	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		0.889		DS1	CO1	0.002	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.778		DS1	CO1	0.004	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.889		DS1	CO1	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.889		DS1	CO5	0.455	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		1.778		DS1	CO5	0.455	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.657	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.657	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.661	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.889		DS2	CO7	0.005	SE1100.00	Serviceability | Deflections in z-direction
		0.889		DS2	CO6	0.003	SE1200.00	Serviceability | Deflections in y-direction
	277 | Continuous Members | 6761084							
123	277	0.000		DS1	CO5	0.303	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		0.926		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.853		DS1	CO4	0.009	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.926		DS1	CO5	0.305	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.309	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.452	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.452	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.459	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections

6.3.2 DESIGN RATIOS ON MEMBERS BY MEMBER SET

Steel Design

Member Set No.	Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check Ratio η [--]	Design Check Type	Description
123	277	0.926		DS2	CO8	0.006	SE1100.00	Serviceability | Deflections in z-direction
	278 | Continuous Members | 6761092							
124	278	0.000		DS1	CO5	0.149	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		0.958		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.915		DS1	CO4	0.006	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.958		DS1	CO4	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		1.915		DS1	CO5	0.152	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.227	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.227	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.233	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.958		DS2	CO8	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.958		DS2	CO9	0.005	SE1200.00	Serviceability | Deflections in y-direction
	279 | Continuous Members | 6761100							
125	279	0.000		DS1	CO5	0.164	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.920		DS1	CO1	0.002	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO4	0.009	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.920		DS1	CO5	0.166	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.171	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO4	0.006	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.920		DS2	CO7	0.005	SE1100.00	Serviceability | Deflections in z-direction
		0.920		DS2	CO9	0.002	SE1200.00	Serviceability | Deflections in y-direction
	280 | Continuous Members | 6761108							
126	280	0.000		DS1	CO5	0.290	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.889		DS1	CO1	0.002	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO4	0.007	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.889		DS1	CO1	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.295	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO4	0.006	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.889		DS2	CO9	0.005	SE1100.00	Serviceability | Deflections in z-direction
		0.889		DS2	CO9	0.007	SE1200.00	Serviceability | Deflections in y-direction
	281 | Continuous Members | 6761116							
127	281	0.000		DS1	CO5	0.299	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.853		DS1	CO1	0.002	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.706		DS1	CO4	0.001	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.853		DS1	CO4	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.853		DS1	CO3	0.271	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		1.706		DS1	CO5	0.300	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.003	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.853		DS2	CO7	0.003	SE1100.00	Serviceability | Deflections in z-direction
		0.853		DS2	CO10	0.002	SE1200.00	Serviceability | Deflections in y-direction
	282 | Continuous Members | 6761124							
128	282	0.000		DS1	CO5	0.469	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		0.889		DS1	CO1	0.002	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO5	0.002	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic

6.3.2 DESIGN RATIOS ON MEMBERS BY MEMBER SET

Steel Design

Member Set No.	Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check Ratio η [--]	Design Check Type	Description
128	282							design
		0.889		DS1	CO5	0.471	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.471	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.680	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.680	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.684	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.889		DS2	CO8	0.005	SE1100.00	Serviceability | Deflections in z-direction
	283 | Continuous Members | 6761132							
129	283	0.000		DS1	CO5	0.324	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.889		DS1	CO1	0.002	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO4	0.006	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.889		DS1	CO1	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.329	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO4	0.006	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.889		DS2	CO9	0.005	SE1100.00	Serviceability | Deflections in z-direction
		0.889		DS2	CO9	0.006	SE1200.00	Serviceability | Deflections in y-direction
	284 | Continuous Members | 6761140							
130	284	0.000		DS1	CO5	0.271	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.756		DS1	CO1	0.001	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO4	0.003	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.756		DS1	CO1	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.273	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO4	0.004	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.756		DS2	CO9	0.004	SE1200.00	Serviceability | Deflections in y-direction
	285 | Continuous Members | 6761148							
131	285	0.000		DS1	CO5	0.136	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
		0.000		DS1	CO4	0.001	SP3200.02	Section Proof | Shear in y-axis acc. to EN 1993-1-1, 6.2.6(2) | Plastic design
		0.920		DS1	CO1	0.002	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO4	0.016	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.920		DS1	CO1	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.149	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO4	0.009	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.920		DS2	CO6	0.005	SE1100.00	Serviceability | Deflections in z-direction
		0.920		DS2	CO9	0.009	SE1200.00	Serviceability | Deflections in y-direction
	272-274,384 | Continuous Members							
186	384	0.000		DS1	CO5	0.352	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		2.059		DS1	CO5	0.046	SP3100.02	Section Proof | Shear in z-axis acc. to EN 1993-1-1, 6.2.6(2) | Plastic design
	272	0.000		DS1	CO1	0.000	SP3500.00	Section Proof | Shear buckling acc. to EN 1993-1-5, 5.1, 5.2, 5.3 and 5.5
	274	1.030		DS1	CO5	0.102	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.000		DS1	CO2	0.002	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
	273	0.000		DS1	CO4	0.006	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
	384	1.030		DS1	CO5	0.422	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.385	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1,

6.3.2 DESIGN RATIOS ON MEMBERS BY MEMBER SET

Steel Design

Member Set No.	Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check Ratio η [--]	Design Check Type	Description
186	384							6.3.1
		0.000		DS1	CO5	0.722	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.794	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
	272	0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
	274	1.030		DS2	CO10	0.243	SE1100.00	Serviceability | Deflections in z-direction
	273	2.102		DS2	CO7	0.004	SE1200.00	Serviceability | Deflections in y-direction
	162-159 | Continuous Members							
194	159	0.000		DS1	CO5	0.356	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
	162	2.102		DS1	CO4	0.051	SP3100.02	Section Proof | Shear in z-axis acc. to EN 1993-1-1, 6.2.6(2) | Plastic design
	159	0.000		DS1	CO1	0.000	SP3500.00	Section Proof | Shear buckling acc. to EN 1993-1-5, 5.1, 5.2, 5.3 and 5.5
	160	1.030		DS1	CO5	0.104	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
	161	0.000		DS1	CO5	0.001	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
	162	2.102		DS1	CO5	0.012	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
	159	1.030		DS1	CO5	0.427	SP6500.02	Section Proof | Bending about y-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO5	0.390	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.731	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.801	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		2.059		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
	160	0.000		DS2	CO10	0.256	SE1100.00	Serviceability | Deflections in z-direction
		0.000		DS2	CO7	0.005	SE1200.00	Serviceability | Deflections in y-direction
	212 | Continuous Members							
196	212	0.000		DS1	CO4	0.022	SP1200.00	Section Proof | Compression acc. to EN 1993-1-1, 6.2.4
		0.995		DS1	CO1	0.003	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.991		DS1	CO4	0.003	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.995		DS1	CO4	0.000	SP6500.01	Section Proof | Biaxial bending, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		1.991		DS1	CO4	0.024	SP6500.03	Section Proof | Bending about z-axis, axial force and shear acc. to EN 1993-1-1, 6.2.9.1 and 6.2.10 | Plastic design
		0.000		DS1	CO1	0.000	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO1	0.000	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO4	0.040	ST3100.00	Stability | Bending and buckling about principal axes acc. to EN 1993-1-1, 6.3.3
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.995		DS2	CO8	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.995		DS2	CO9	0.005	SE1200.00	Serviceability | Deflections in y-direction

6.3.3 STEEL DESIGN: MAX. OF ALL DESIGN CHECKS, SERVICEABILITY LIMIT STATE, ULTIMATE LIMIT STATE, IN DIRECTION +X

