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	11	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 4

2.3 Apkrovų deriniai 6

2.4 Statinių konstrukcijų svarbumo klasės, ilgaamžiškumas, deformacijų leistini dydžiai, atsargos koeficientai 10

3 KONSTRUKCIJŲ SKAIČIAVIMAI 11

4 IŠVADOS 11

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 11

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 Vandens slėgis

SLĖGIO NUO VANDENS SKAIČIAVIMAS

ρ=	10	vandens tankis [kg/m^3];
g=	9,81	laisvojo kritimo pagreitis [m/s^2];
h_w=	5,50	vandens aukštis [m];
$p_w=\rho*g*h_w$=	0,54	vandens slėgis [kPa];

2.3 Grunto slėgis

INŽINERINIAI SKAIČIAVIMAI

SLĖGIŲ Į ATRAMINIUS PAVIRŠIUS SKAIČIAVIMAS

n_1=	1,00	perkrovos koeficientas, žemės paviršiuje esančiai apkrovai;
n_2=	1,00	perkrovos koeficientas;
H_2=	2,50	grunto storis [m];
ϕ=	30	grunto vidines trinties kampas [°];
γ=	20,00	vienetinis grunto svoris [kN/m^3];
F=	10,00	apkrova esanti ant grunto (1,00 [t/m^2])
$H_{red}=F/\gamma$	0,50	redukuotas aukštis [m];
$q_1=n_1*\gamma*H_{red}*((\tan(45°-(\phi/2)))^2)$=	3,33	apkrova veikianti grunto paviršiuje [kPa];
$q_2=n_2*\gamma*((n_1/n_2)*H_{red}+H_2)*((\tan(45°-(\phi/2)))^2)$=	20,00	apkrova veikianti grunto apačioje [kPa];



2.4 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:

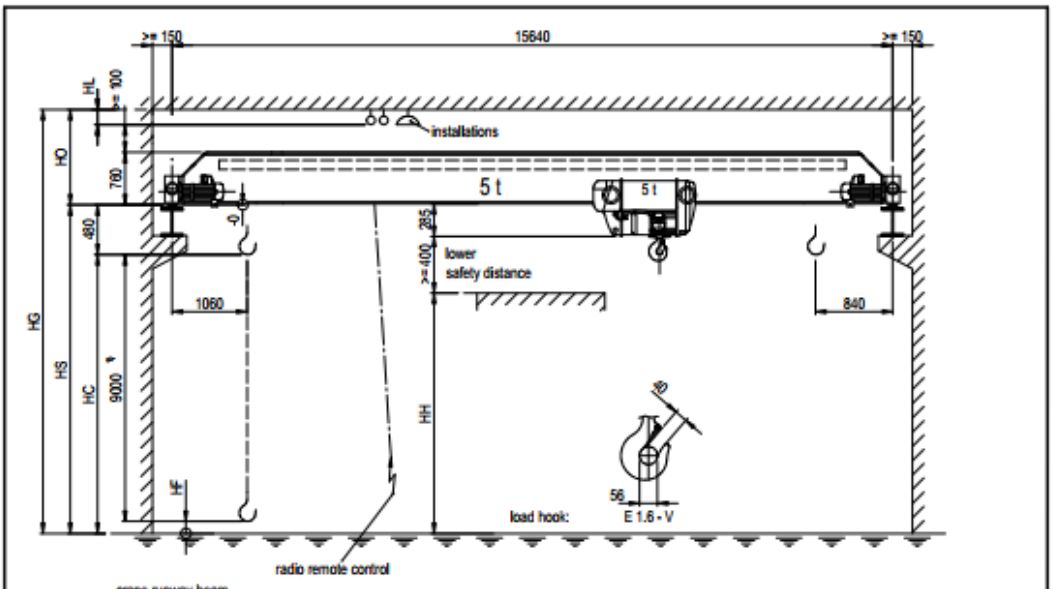
$$q_p(z)=[1+7\cdot I_v(z)]\cdot 1/2\cdot \rho\cdot v^2_m(z)= [1+7\cdot k_I/(c_o(z)\cdot \ln(z/z_0))]\cdot 1/2\cdot \rho\cdot v^2_m(z)$$

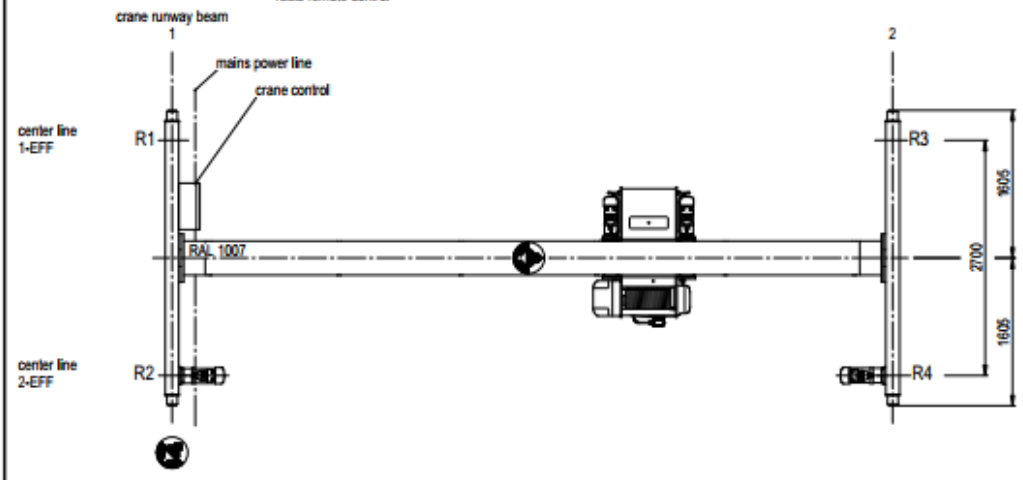
Naudojimo apkrovos

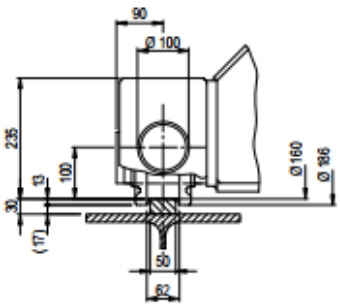
		qk [kN/m2]	Qk [kN/m2]
Naudojimo apkrovą			
Kolidoriai, kabinetai, persirengimo patalpos ir kt.	C1: Plotai su stalais ir kt., pvz., plotai mokyklose, kavinėse, restoranuose, valgyklose, skaityklose, priimamuosiuose ir kt.	3.0	4.0
Baseino zona, aukštalipių rengimo patalpa	C5: Galimo žmonių didelio susitelkimo plotai, pvz., visuomeninių renginių pastatuose: koncertų salėse, sporto salėse, įskaitant tribūnas, terasose ir praėjose, geležinkelio peronuose.	5,0	3,5

2.5 Krano apkrova

2.5.1 Tiltinis kranas







crane	ELK 5 t x 15640 mm		
design basis	DIN 15018, H2/B3		
hoist + trolley	GM 1000.5000 H-202.41.9000.6.E 130.20		
FEM group	2m / M5		
operation location	indoor operation		
ambient conditions	-5° C up to +40° C, without special requirements		
crane travel	10 / 40 m/min		
trolley travelling	5 / 20 m/min		
hoisting	0.8 / 5 m/min		
total weight	3060 kg (thereof hoist + trolley 387 kg)		
mains voltage; admissible voltage swing	3/PE ~50 Hz 400 V (TN-S); -6.5% / +5%		
total power consumption	10.8 kW (starting current * cos phi: 34 A)	+SKR-F1 = 20 A gG	
load data: wheel loads (kN) (without vibration coefficient)	crane axis 1 (min/max)	8.0	31.4
	crane axis 2 (min/max)	8.1	31.7
lateral loads (kN)	mass forces crane travel (min/max)	0.8	3.2
skewing force on guide side (coefficient of frictional contact <= 0,3)		9.6	-
horizontal loads from skewing (guide side/opposite side)	front crane axis in driving direction	1.9	7.6
	back crane axis in driving direction	0.0	0.0
longitudinal loads (kN) (per crane runway beam)	mass forces crane travel (max.)		1.1
	collision forces (max.) (motion limiter taken into account)		13.8

*) maximum hook path of hoist 9 m, actual use according to conditions on site

© ABUS Kransysteme GmbH - gircys\d0216_20241023_125858\32_TM0_TE1

21 1806 - 011

UAB "Strele industrial"
Montuotoju 5
Mazeikiai
phone +370 614 86161
fax

crane ELK

021600-0000000-20241023-15 / 1

ABUS

person in charge: Gircys,D.
Date: 23/10/2024

ABUKonfis Version 5.24w132 www.streleindustrial.com donatas.gircys@streleindustrial.com

Load data according to DIN EN 1991-3

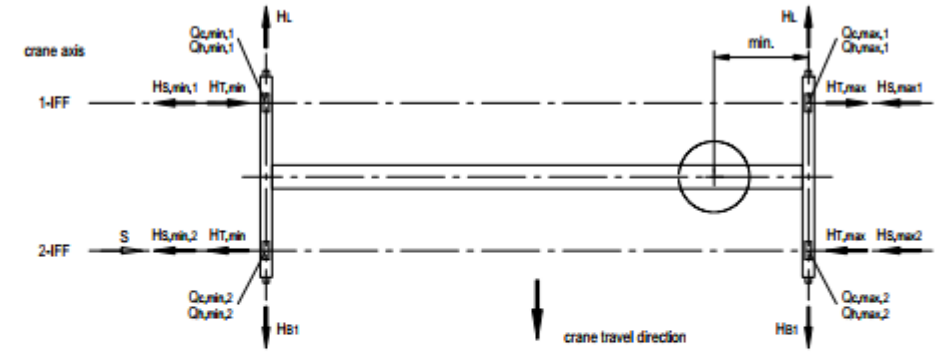
Classification of crane	S3	(for the verification of the runway beam)

Dynamic coefficients φi:

φ1	1.10	Acceleration (resulting from lifting and gravitation) acting on the mass of the crane
φ2	1.10	inertia and gravitation when lifting an unrestricted load from off the floor
φ3	1.00	inertia and gravitation when suddenly releasing a part of the lifted load
φ4	1.00	Loads resulting from travelling across uneven surfaces
φ5,Kr	1.80	Loads resulting from acceleration of crane travel drives
φ6,dyn	1.05	Dynamic test load
φ6,stat	1.00	static test load
φ7,Kr	1.25	Loads resulting from buffer forces

Load effects and relevant force components:

Wheel loads (vertical)	Force component from the mass of the crane and the hoist(s) per crane axis	$Q_{c,min,1}$	6.7	$Q_{c,max,1}$	8.1	[kN]
		$Q_{c,min,2}$	6.8	$Q_{c,max,2}$	8.4	[kN]
	Force component from mass of hoist load per crane axis	$Q_{h,min,1}$	1.3	$Q_{h,max,1}$	23.3	[kN]
		$Q_{h,min,2}$	1.3	$Q_{h,max,2}$	23.3	[kN]
Lateral loads (horizontal)	Force from the acceleration of the crane with hoist load (mass force)	$H_{T,min}$	0.5	$H_{T,max}$	2.1	[kN]
	skewing force (coefficient of frictional contact <= 0,3)	S			9.6	[kN]
	Horizontal force from skewing per crane axis	$H_{S,min,1}$	0.0	$H_{S,max,1}$	0.0	[kN]
		$H_{S,min,2}$	1.9	$H_{S,max,2}$	7.6	[kN]
Longitudinal loads (horizontal) (per runway beam)	Force from the acceleration of the crane with hoist load (mass force)	H_L			0.8	[kN]
	Force from impact on buffer (collision force) (motion limiter taken into account)	H_{B1}			11.0	[kN]



The drawing shows the crane travel situation for the purpose of generating minimum and maximum loads.
The decisive crane travel situation may vary depending on the crane version (travel direction, trolley position and / or means of guidance).

All load effects constitute characteristic static force components and have to have the corresponding dynamic coefficient φ applied to them.
Crane track tolerances DIN EN 1090-2, tolerance class 2
tolerance of the track centre dimension of the crane rails +/- 5 mm

UAB "Strele industrial"
Montuotoju 5
Mazeikiai
phone +370 614 86161
fax

crane ELK

021600-0000000-20241023-15 / 1

ABUS

person in charge: Gircys,D.
Date: 23/10/2024

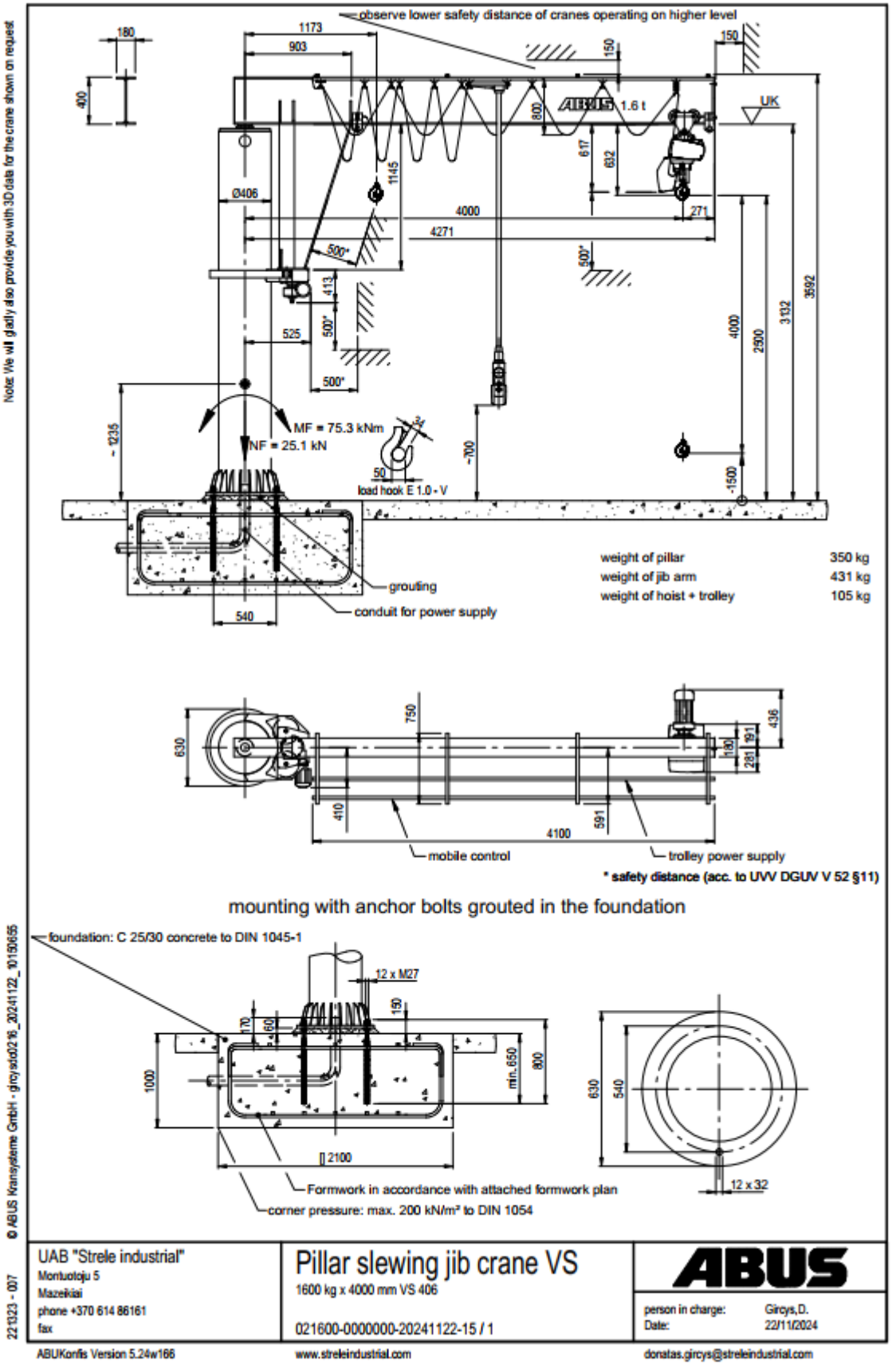
ABUKonfis Version 5.24w132 www.streleindustrial.com donatas.gircys@streleindustrial.com

© ABUS Kransysteme GmbH gircysdo0216_20241023_12980062

20328742 - 001

Dokumento žymuo	Lapas	Lapų	Laida
0276-XX-TP-SK.IS-01	7	11	0

2.5.2 Gembinis kranas



Load data according to DIN EN 1991-3

Classification:

Classification of crane	S3	(for the verification of the crane supporting structure)

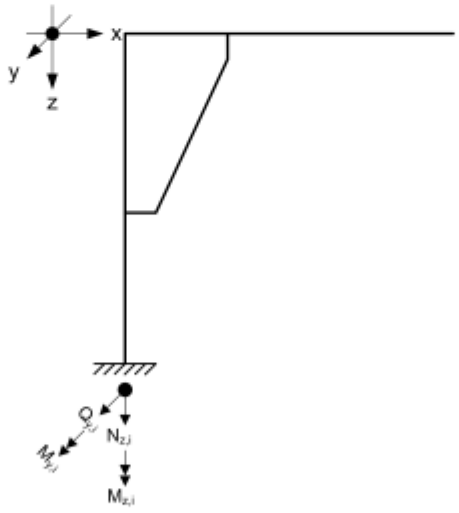
Dynamic coefficients φi:

Dynamic factors	Value		Load effects to be amplified
φ_1	1.10	[-]	Acceleration (resulting from lifting and gravitation) acting on the mass of the crane
φ_2	1.13	[-]	Inertia and gravitation when lifting an unrestricted load from off the floor
φ_3	1.00	[-]	Inertia and gravitation when suddenly releasing a part of the lifted load
φ_4	1.00	[-]	Loads resulting from travelling across uneven surfaces
φ_5	1.80	[-]	Loads resulting from acceleration of crane slewing drive
$\varphi_{6,dyn}$	1.06	[-]	Dynamic test load
$\varphi_{6,stat}$	1.00	[-]	static test load
φ_7	1.25	[-]	Loads resulting from buffer forces

Load effects and relevant force components; without φi:

Normal forces (vertical)	Normal force from the mass of the crane and of the hoist	$N_{z,k}$	9.0	[kN]	
	Normal force from the mass of the hoist load	$N_{z,h}$	16.1	[kN]	
Transverse forces (horizontal)	Shear force from the acceleration of the hoist (mass forces)	Q_y	0.1	[kN]	
Moments	Moment from the mass of the crane and of the hoist	$M_{y,k}$	10.4	[kNm]	
	Moment from the mass of the hoist load	$M_{y,h}$	64.4	[kNm]	
	Moment from the acceleration of the hoist (mass forces)	M_y	0.4	[kNm]	
	Torque from the slewing of the jib arm (mass forces)	M_x	0.4	[kNm]	
	Torque from buffer impact of the jib arm (mass forces)	$M_{x,B}$	2.3	[kNm]	

System pillar slewing jib crane:



ABUS Kransysteme GmbH
Sonnenweg 1
51647 Gummersbach
phone +49 22 61 / 37-0
fax +49 22 61 / 37-247

VS 406: 1600 kg x 4000 mm

quotation: 021600-0000000-20241122-15 / 1

ABUS

person in charge: Gircys,D.
Date: 22/11/2024

© ABUS Kransysteme GmbH, ABUKonfig Version 5.24w166

2.6 Apkrovų deriniai

Poveikių skaičiuotinės reikšmės (STR/GEO – B grupė) $\gamma G,sup=1,35$ (nuolatinėms apkrovoms), $\gamma Q,1=1,3$ (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 $\gamma_c=1,5$;
- betoninėms konstrukcijoms saugos ribiniam būviui $\gamma_c=1,8$;
- plieninėms konstrukcijoms saugos ribiniam būviui $\gamma_u=1,3$;
- gelžbetoninėms ir betoninėms konstrukcijoms tinkamumo ribiniam būviui $\gamma_c=1,0$;
- armatūros plieno dalinio patikimumo koeficientas:
  strypinei armatūrai $\gamma_s=1,1$;
  vielinei armatūrai $\gamma_s=1,2$;
- plieniniams lakštiniams, ilgiesiems valcuotiems ir tuščiaviduriams statybiniams profiliams $\gamma_M=1,1$.

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.

2.7 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 $\left(\Delta s / L\right)_u = 0,002$,
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

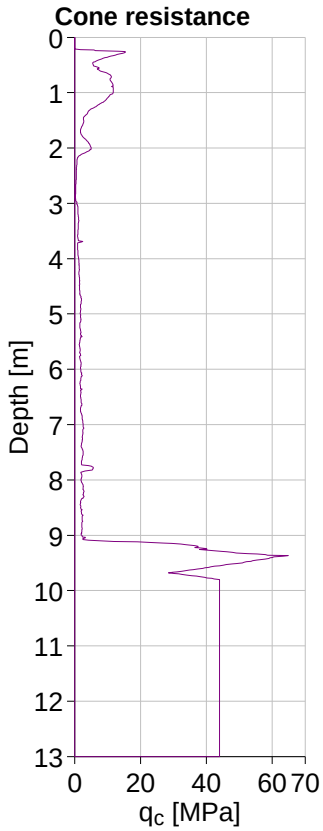


Table (CPT)

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

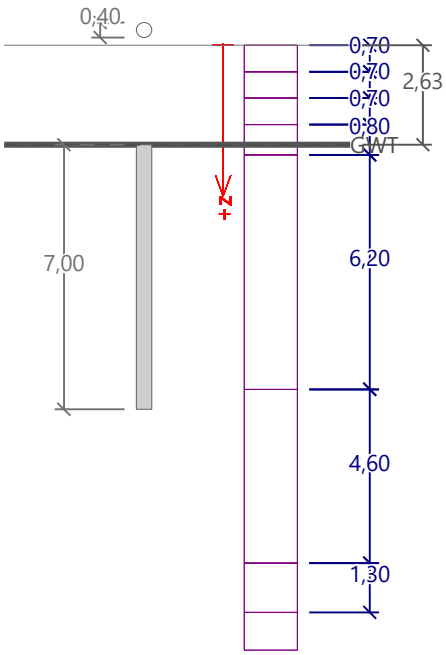
Analysis based on tests : CPT
The analysis does not consider the influence of negative skin friction.
Partial factor on model uncertainty γ_{cal} = 1,00

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

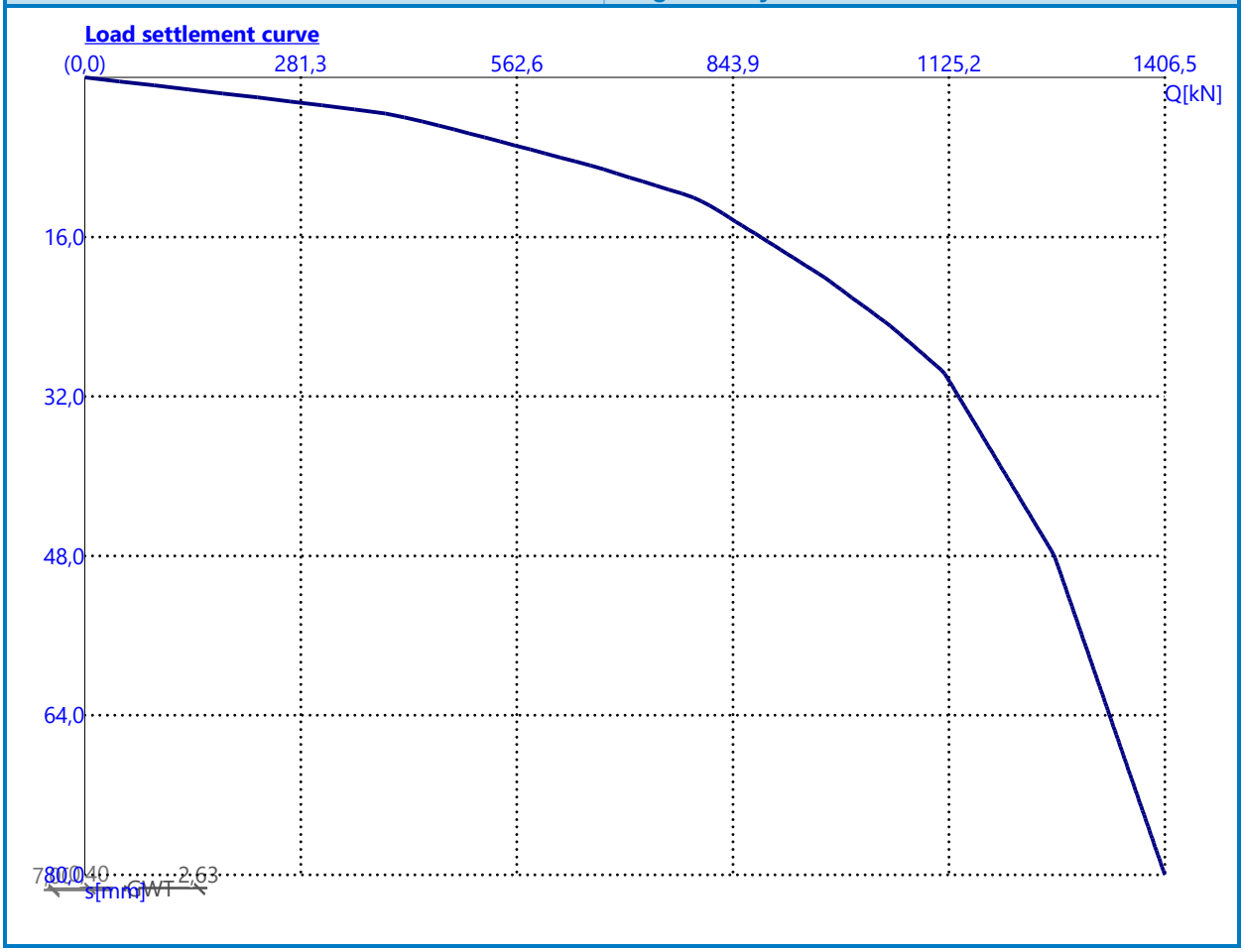
Settlement calculation:

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

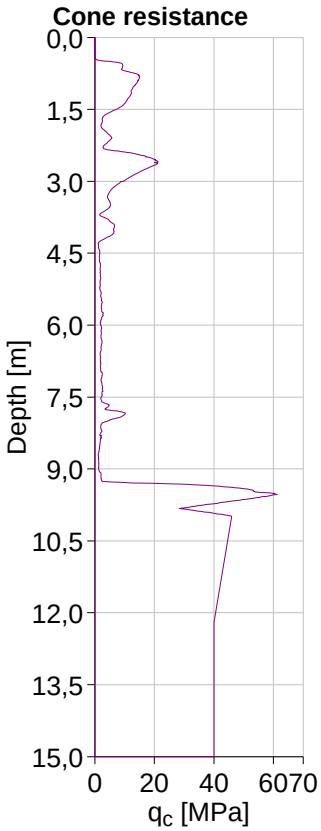
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

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

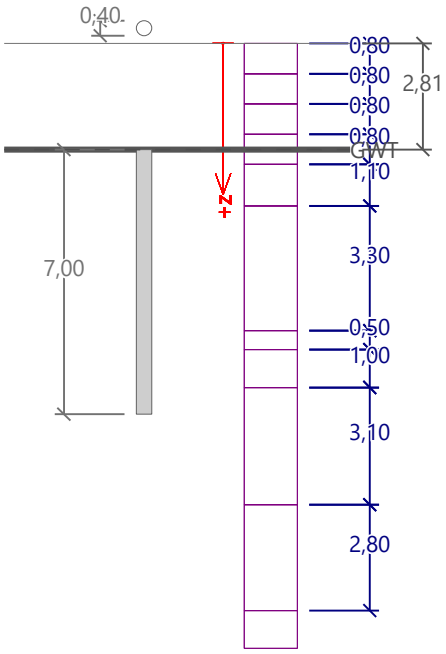
Geological profile and assigned soils

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

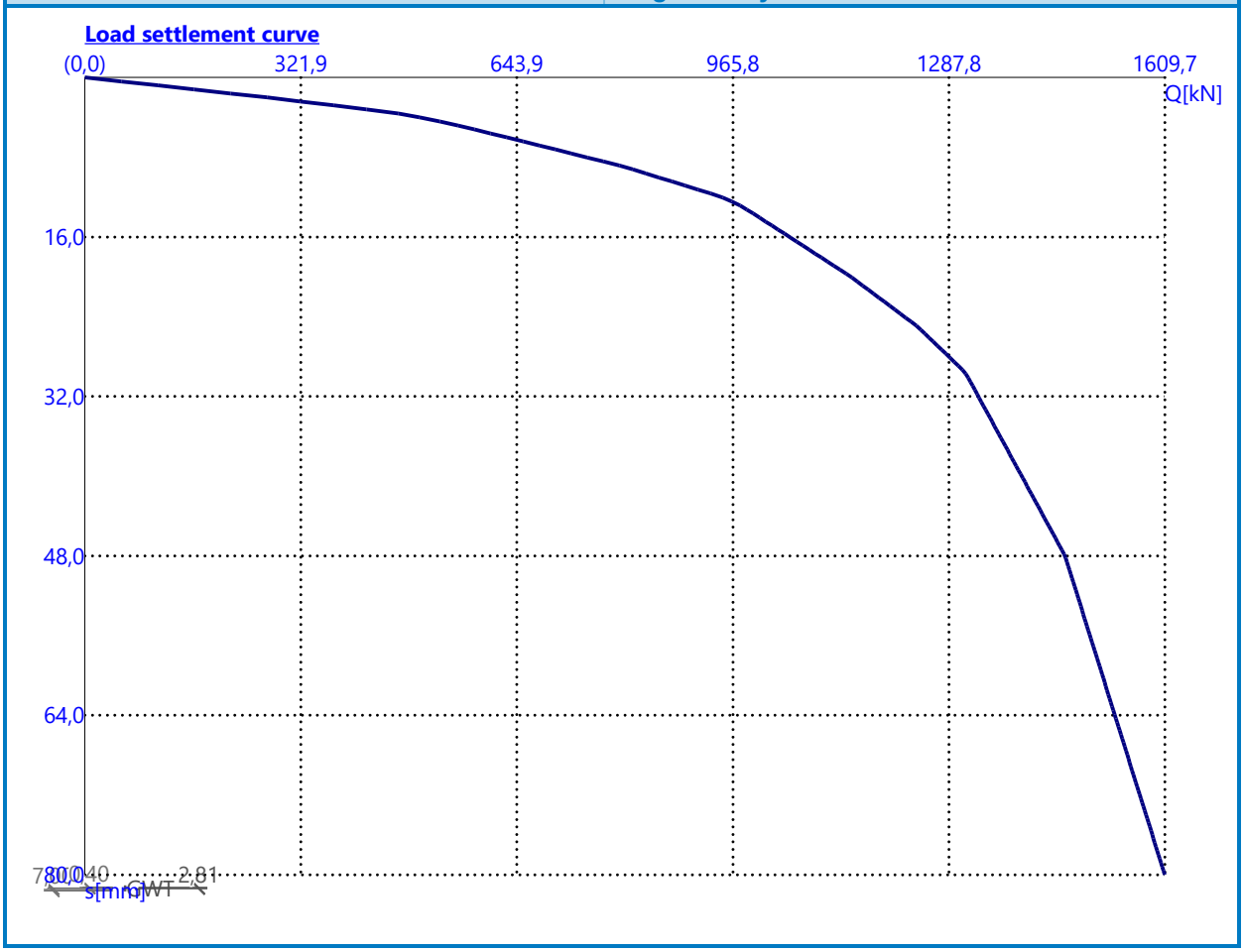
Settlement calculation:

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

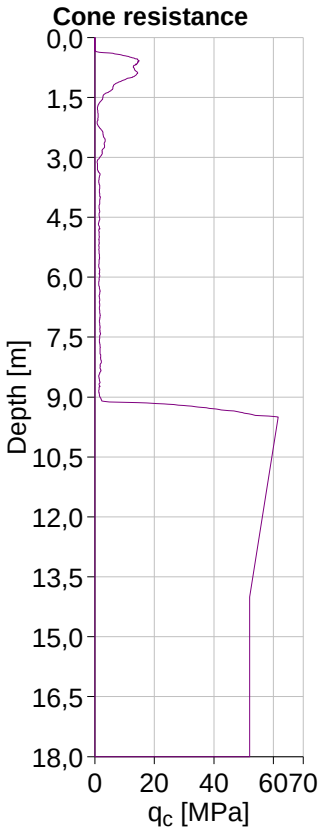
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

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

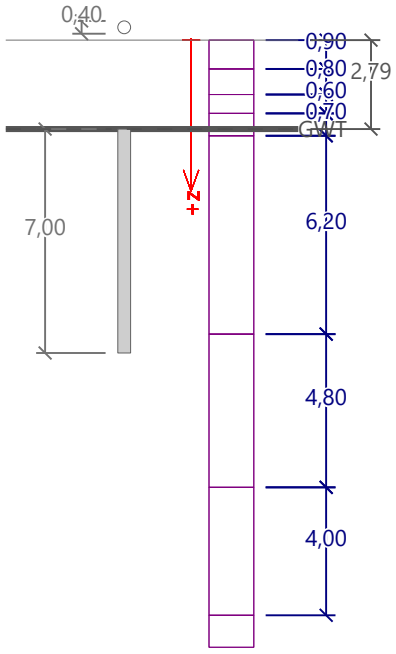
Geological profile and assigned soils

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

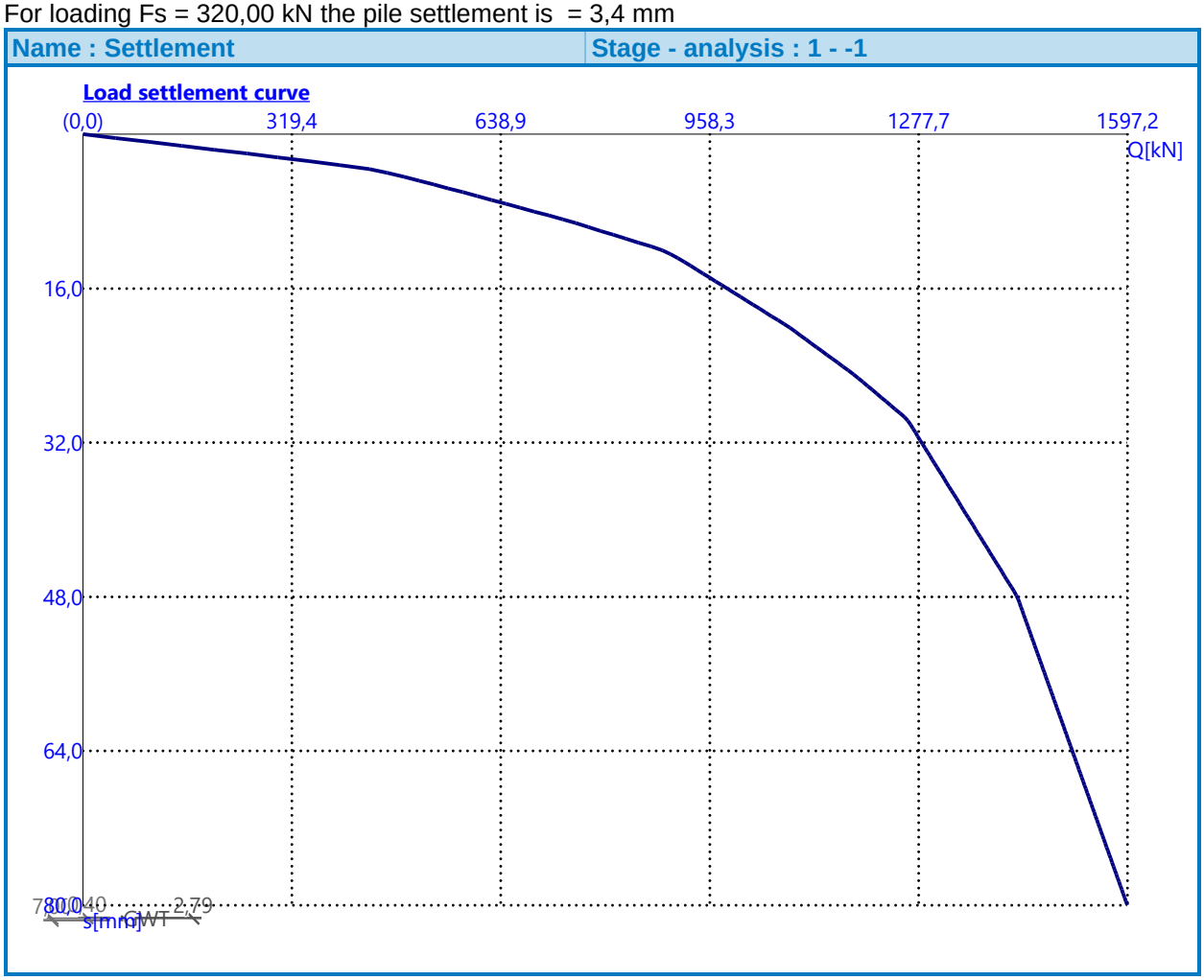
Settlement calculation - EN 1997-2

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

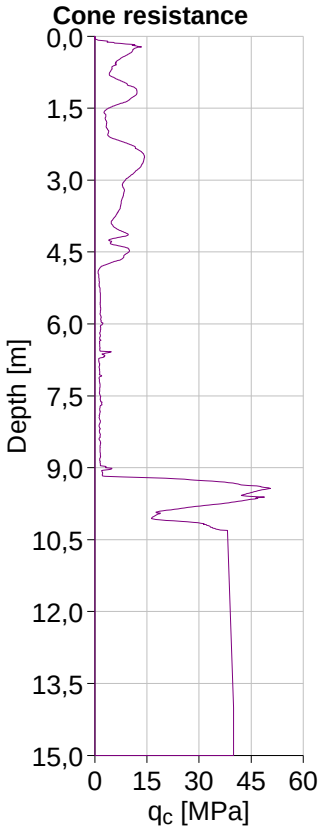
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

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

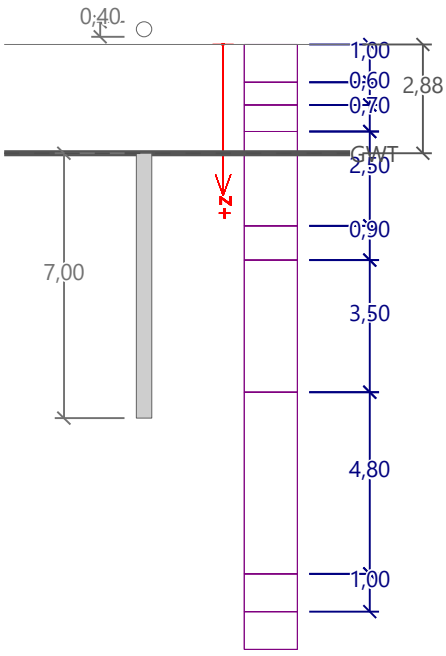
Geological profile and assigned soils

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

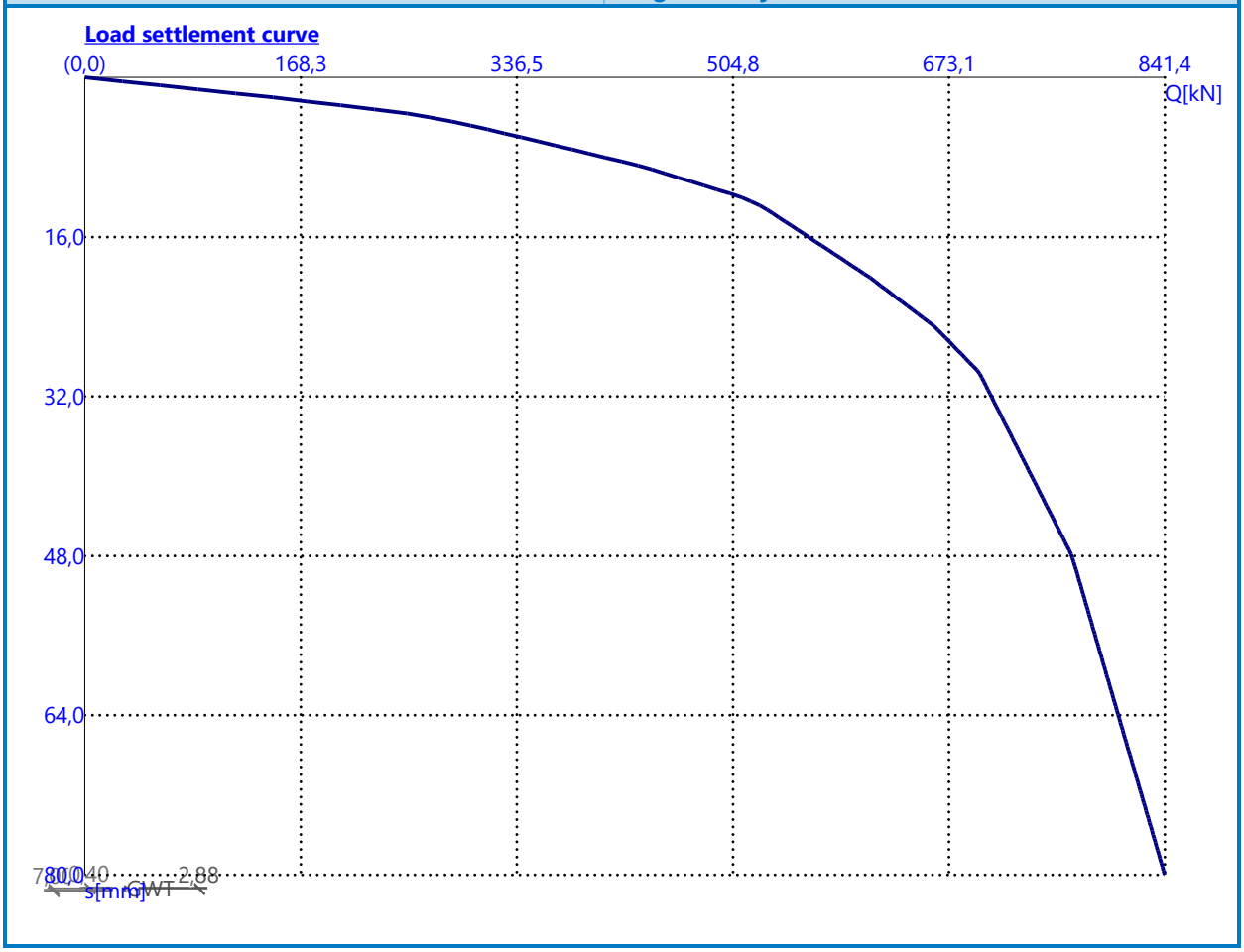
Settlement calculation:

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

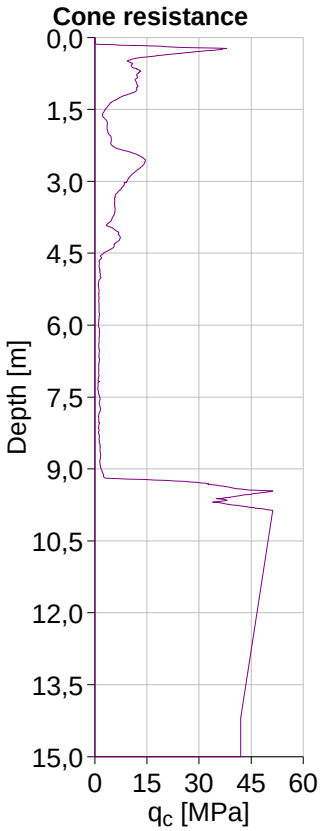
Partial factors for resistances (R)			
Partial factor on base resistance :	γ_b =	1,45	[–]
Partial factor on shaft resistance :	γ_s =	1,30	[–]

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

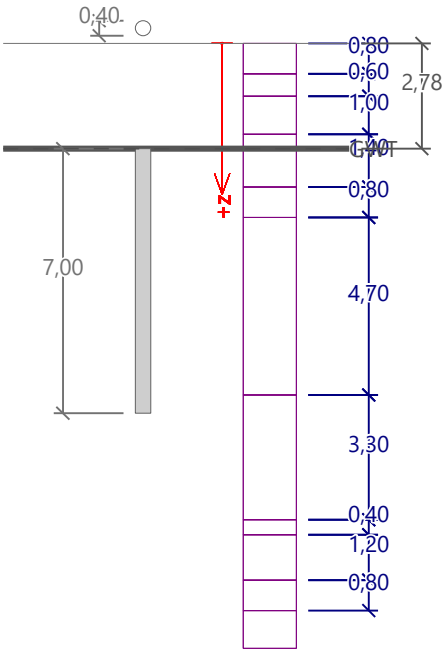
Geological profile and assigned soils

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

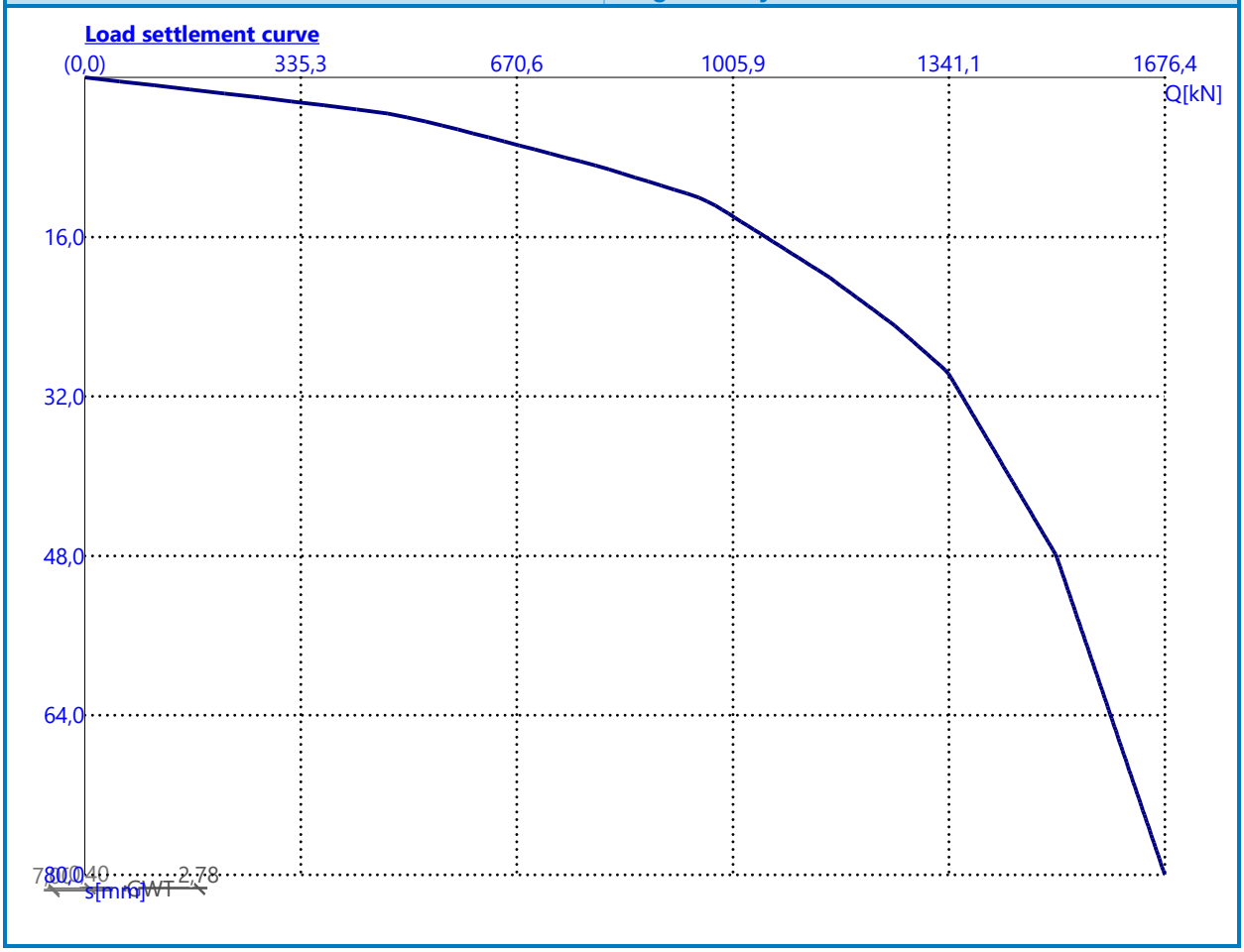
Settlement calculation:

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	120
6	Steel Design	165

CLIENT

VŠĮ VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS

CREATED BY

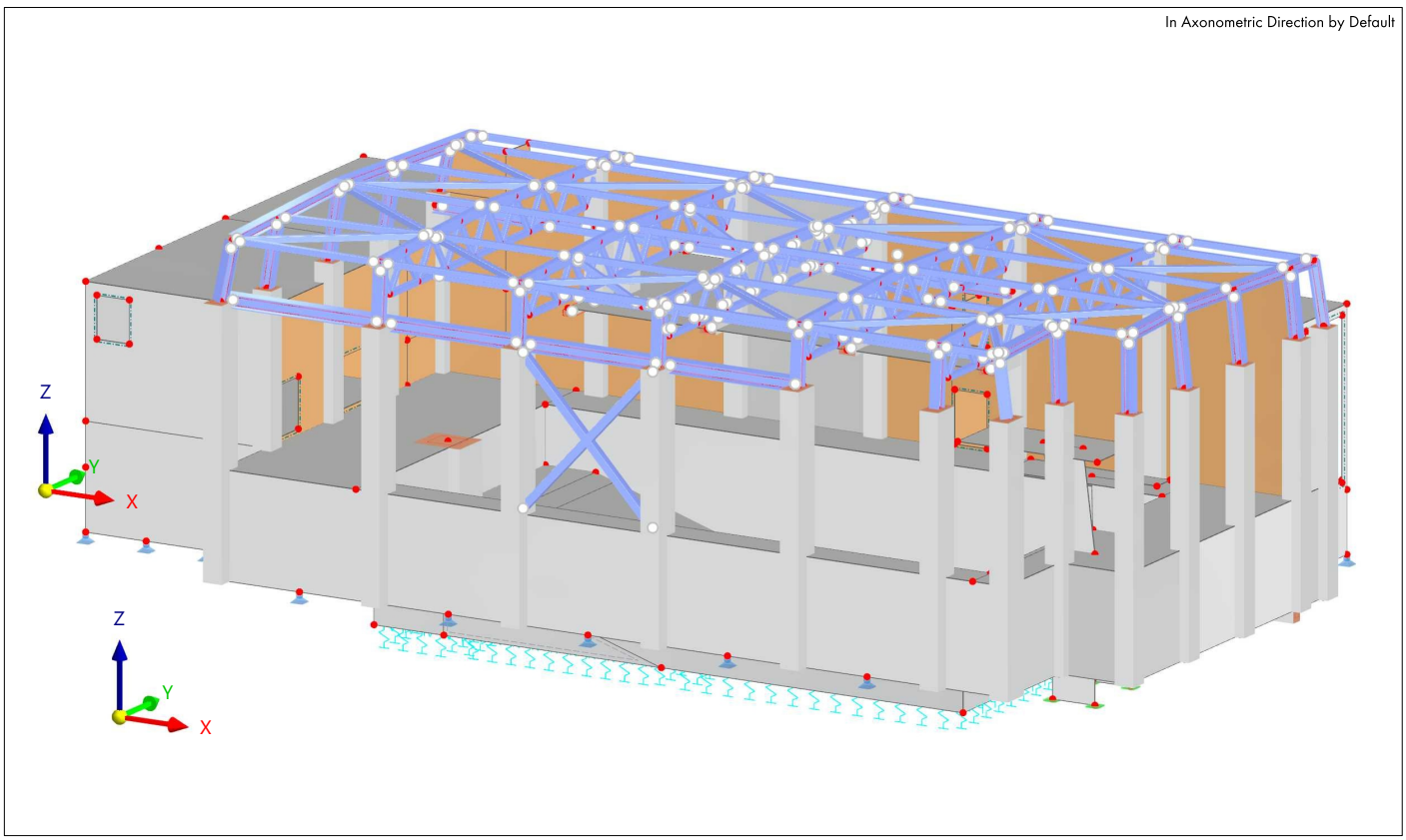
UAB „Egna"

PROJECT

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

MODEL

In Axonometric Direction by Default



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 119

5 Concrete Design 120
5.1 Objects to Design 120
5.2 Design Situations 120
5.3 Results 120
5.3.1 Reinforcement on Members 120
5.3.1.1 Model, In Axonometric Direction 121
5.3.1.2 Required Reinforcement by Member Set 122
5.3.2 Reinforcement on Surfaces 126
5.3.2.1 Model, In Axonometric Direction 127
5.3.2.2 Required Reinforcement by Surface 128
5.3.3 Slab No.82 130
5.3.3.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 131
5.3.3.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 132
5.3.3.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 133
5.3.3.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 134
5.3.4 Slab No. 43 135
5.3.4.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 136
5.3.4.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 137
5.3.4.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 138
5.3.4.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 139
5.3.5 Slab No. 83 140
5.3.5.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 141
5.3.5.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 142
5.3.5.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 143
5.3.5.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 144
5.3.6 Slab No.56,57 145
5.3.6.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 146
5.3.6.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 147
5.3.6.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 148
5.3.6.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 149
5.3.7 Slab No. 73 150
5.3.7.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 151
5.3.7.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 152
5.3.7.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 153
5.3.7.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 154
5.3.8 Slab No. 74 155
5.3.8.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In direction -Z 156
5.3.8.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In direction -Z 157
5.3.8.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In direction -Z 158
5.3.8.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In direction -Z 159
5.3.9 Reinforcement of pool 160
5.3.9.1 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,-z\ (top)}$, In Axonometric Direction 161
5.3.9.2 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,-z\ (top)}$, In Axonometric Direction 162
5.3.9.3 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,1,+z\ (bottom)}$, In Axonometric Direction 163
5.3.9.4 Concrete Design: Max. of all values, Required Reinforcement, $a_{s,req,2,+z\ (bottom)}$, In Axonometric Direction 164

6 Steel Design 165
6.1 Objects to Design 165
6.2 Design Situations 165
6.3 Results 165
6.3.1 Model, In direction +X 166
6.3.2 Design Ratios on Members by Member Set 167
6.3.3 Steel Design: Max. of all design checks, Serviceability Limit State, Ultimate Limit State, In direction +X 172

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



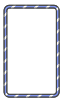
HEB 260



R_M1 250/500



RHS 200x120x6



SHS 100x4



SHS 100x5



SHS 80x4



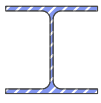
R_M1 400/200



R_M1 350/200



HE 200 A



HE 200 A



R_M1 850/1000



R_M1 400/600



SHS 140x4



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 350/200 | 1 - C30/37							
	1	Parametric - Massive I		60031.88	23333.33	71458.33	350.0	200.0
				700.00	583.33	583.33		
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

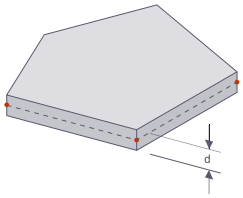
SHS 100x4



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 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		
13	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		
14	SHS 140x4 | 3 - S355							
	3	Standardized - Steel	Cold formed	1023.00	652.00	652.00	140.0	140.0
				21.30	9.19	9.19		
15	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		

1.3 THICKNESSES

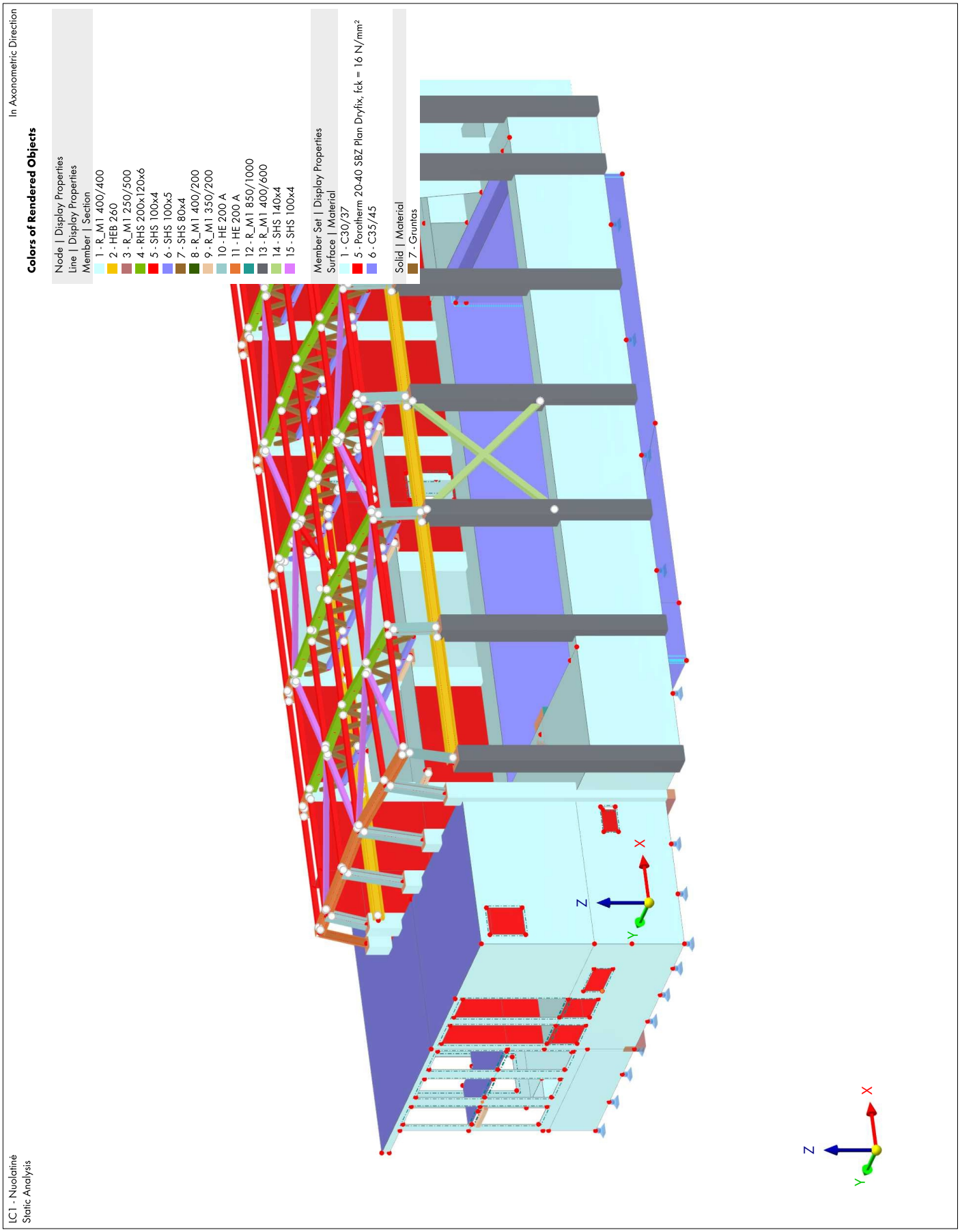
Uniform



Thick. No.	Type	Assigned to Surface No.	Material	Thickness Symbol	Value	Unit	Nodes	Direction
1	Uniform | d : 200.0 mm | 1 - C30/37							
	Uniform	1,57,106-108	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, 93,95-99,101-103,113,116	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	68,69,79,80	6	d	500.0	mm		
13	Uniform | d : 300.0 mm | 6 - C35/45							
	Uniform	43,73,74,76	6	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		
17	Uniform | d : 300.0 mm | 6 - C35/45							
	Uniform	66	6	d	300.0	mm		
18	Uniform | d : 250.0 mm | 1 - C30/37							
	Uniform	94,100	1	d	250.0	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	

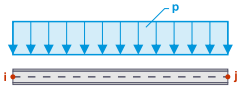
3 Loads

3.1 LC1 - Nuolatinė

3.1.1 MEMBER LOADS

LC1: Nuolatinė G

Load Type 'Force' | Load Distribution 'Uniform'



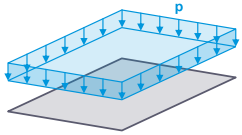
Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Parameters Value	Parameters Unit
1	199,225-227	Force	Uniform	1	Z	p	-2.600	kN/m
2	68,69,71-73	Force	Uniform	1	Z	p	-3.000	kN/m
3	87,134-137,327,336,337,375,376	Force	Uniform	1	Z	p	-8.500	kN/m
4	88,149,255,287,289,364-367,385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

3.1.2

SURFACE LOADS

LC1: Nuolatinė G

Load Type 'Force' | Load Distribution 'Uniform'

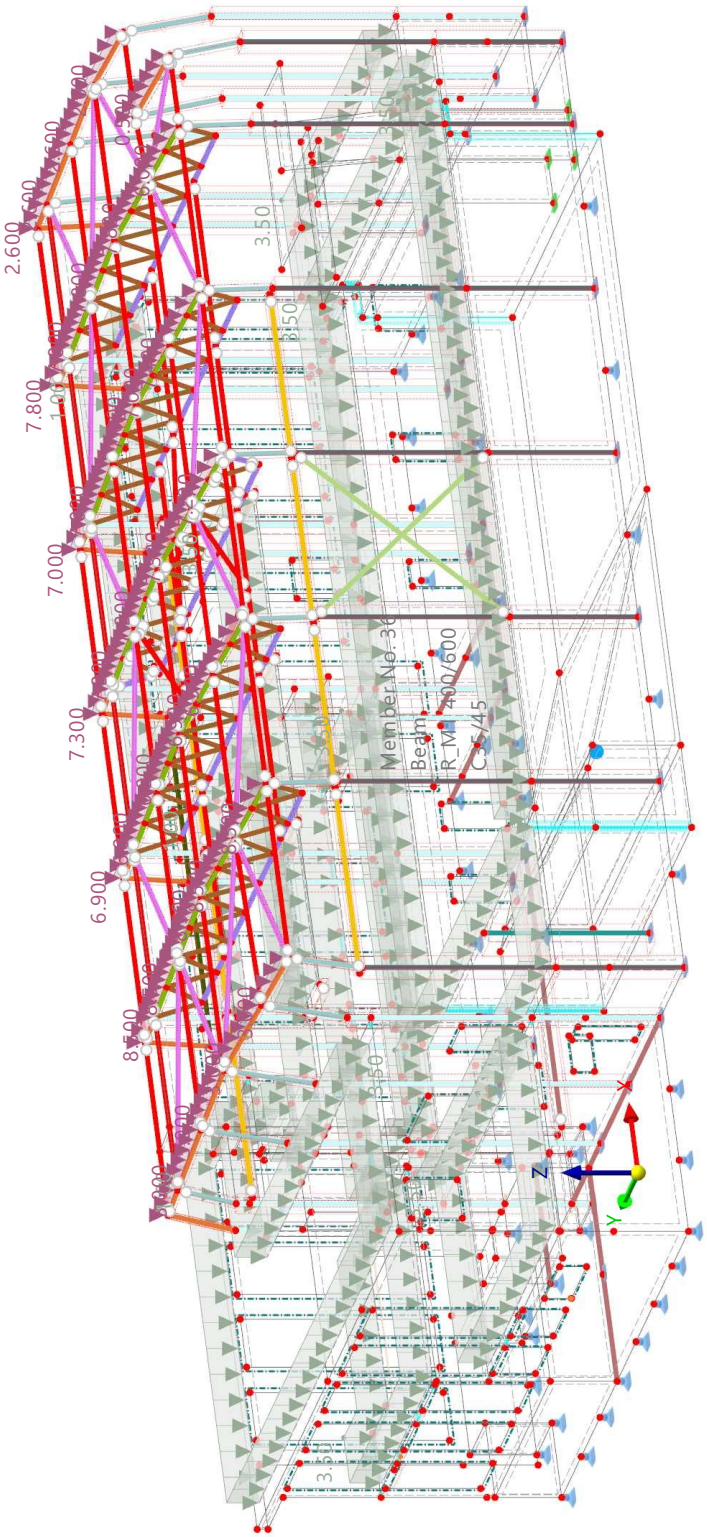


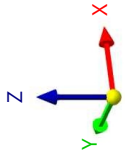
Load No.	Surfaces No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	73,74	Force	Uniform	1	Z_A	p	-1.00	kN/m²
2	56	Force	Uniform	1	Z_A	p	-3.50	kN/m²
3	43	Force	Uniform	1	Z_A	p	-3.50	kN/m²
4	1,82,83,106-108	Force	Uniform	1	Z_A	p	-3.50	kN/m²
5	57	Force	Uniform	1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

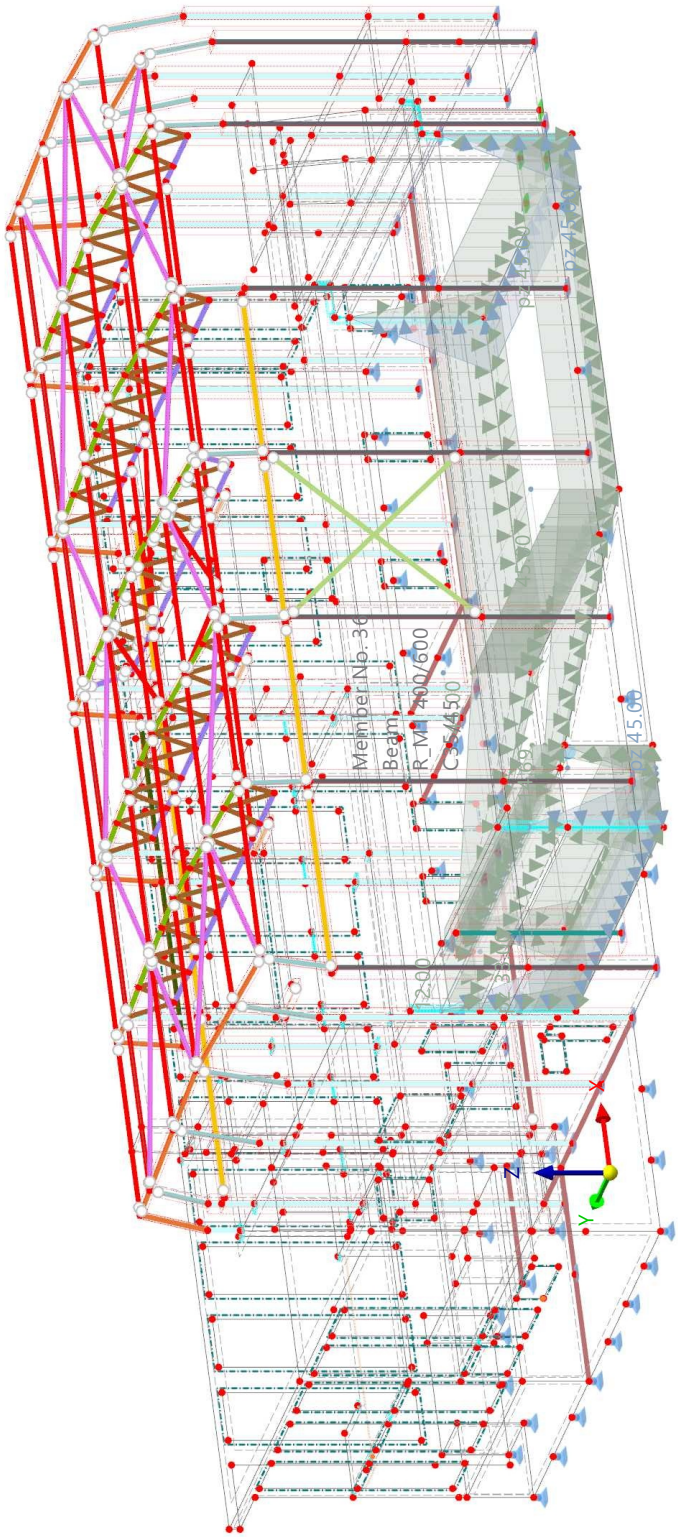
LC2: Vanduo G

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

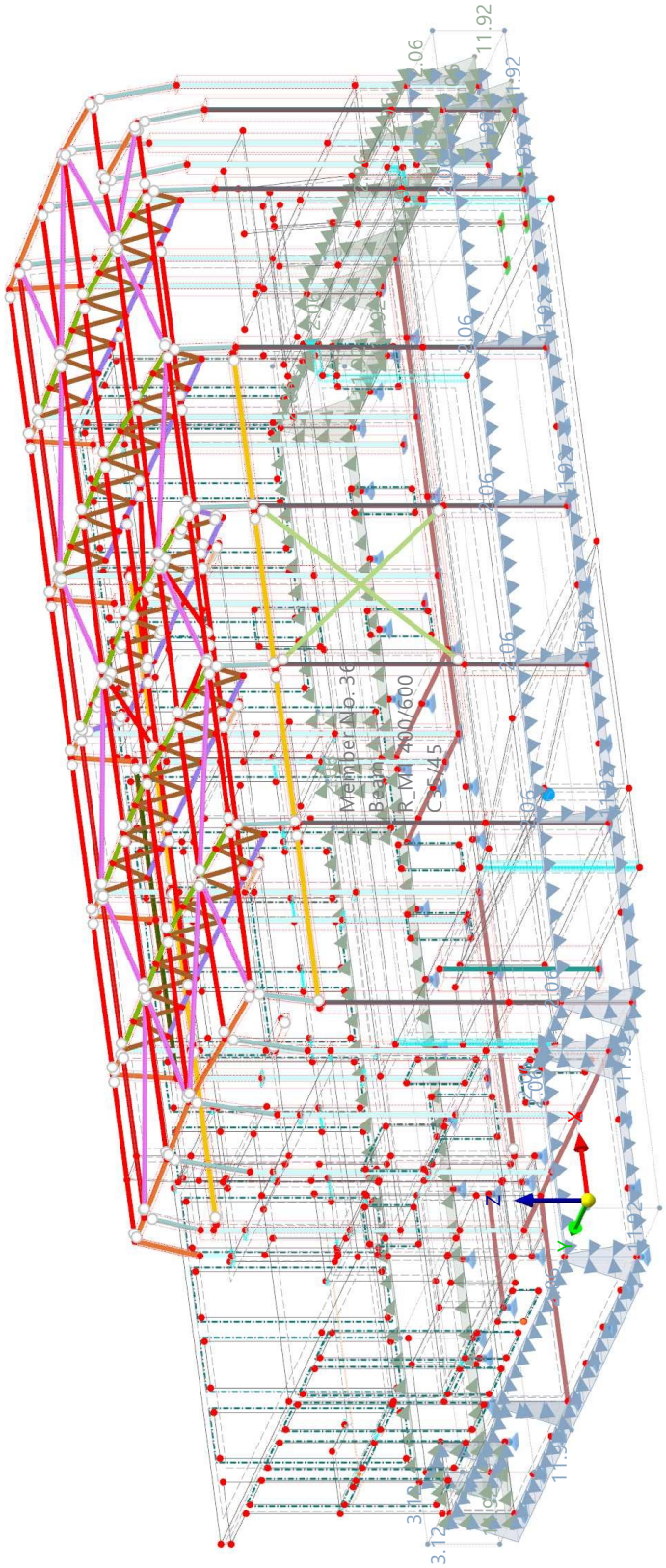
LC3: Grunas G

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

Legend
Reference to list of members

Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Parameters Value	Parameters Unit	Options
1	125-133,138-146,150-158,163-165,167-171,176,177,180-184	Force	Uniform	1	Z_L	p	-1.800	kN/m	
2	166,440	Force	Uniform	1	Z_L	p	-1.800	kN/m	
3	179,441	Force	Uniform	1	Z_L	p	-1.800	kN/m	

3.4.2 SURFACE LOADS

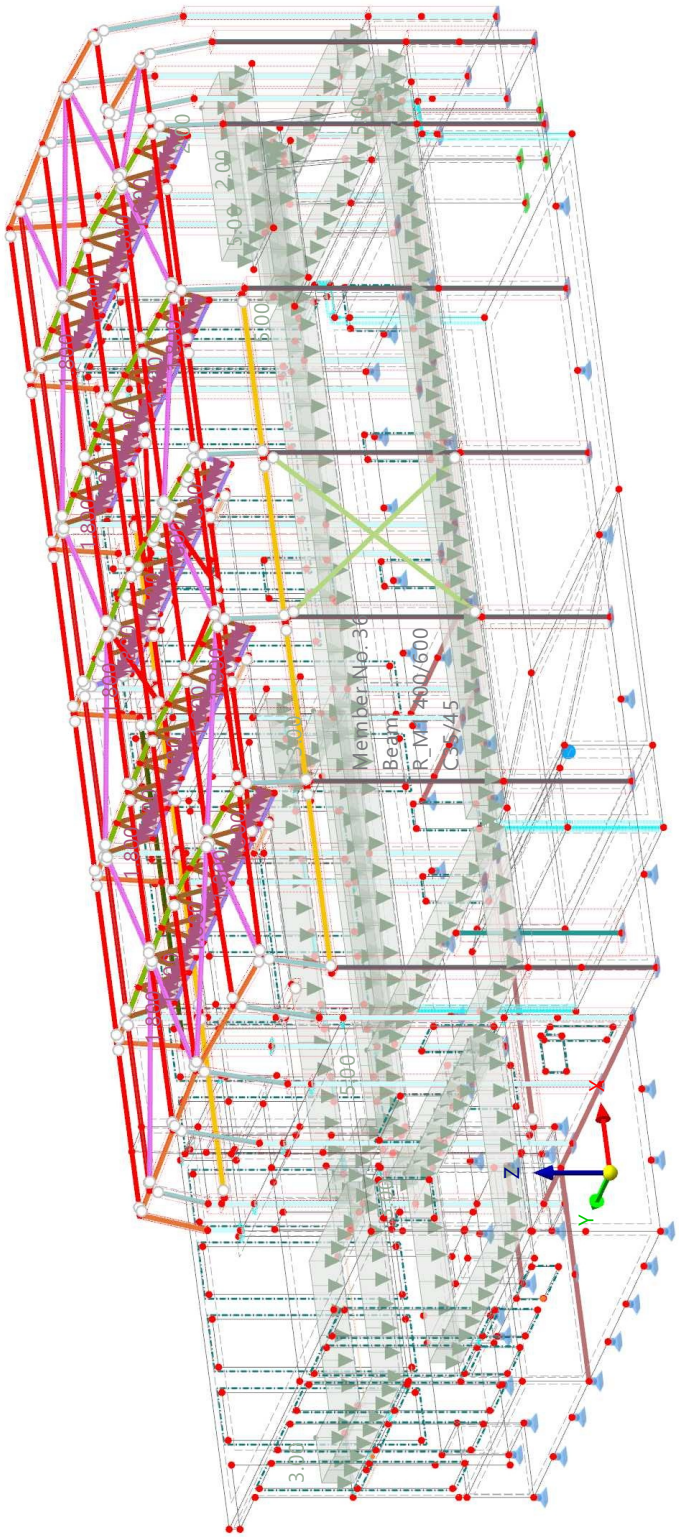
LC4: Naudojimo QI B

Load No.	Surfaces No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Parameters Value	Parameters 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
4	1,106-108	Force	Uniform	1	Z_A	p	-5.00	kN/m²
5	30,31	Force	Uniform	1	Z_A	p	-2.00	kN/m²

3.4.3 LC4: , LOADING, IN AXONOMETRIC DIRECTION

Static Analysis

In Axonometric Direction



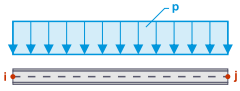
LC4 - Naudojimo
Loads [kN/m], [kN/m^2]
Static Analysis

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

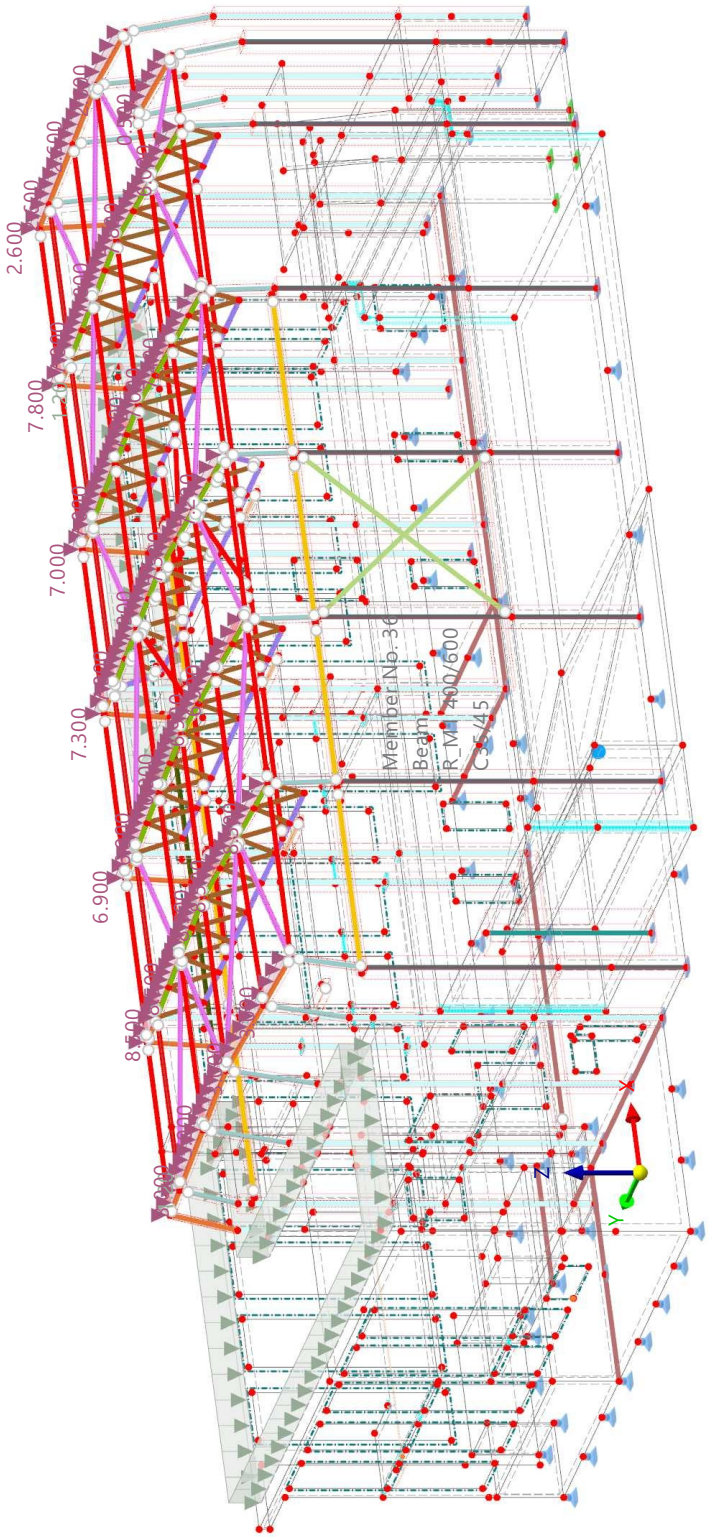
3.5.2 SURFACE LOADS

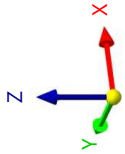
LC5: Sniegas Qs

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

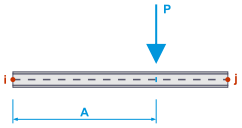
LC6: Kranas A

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'

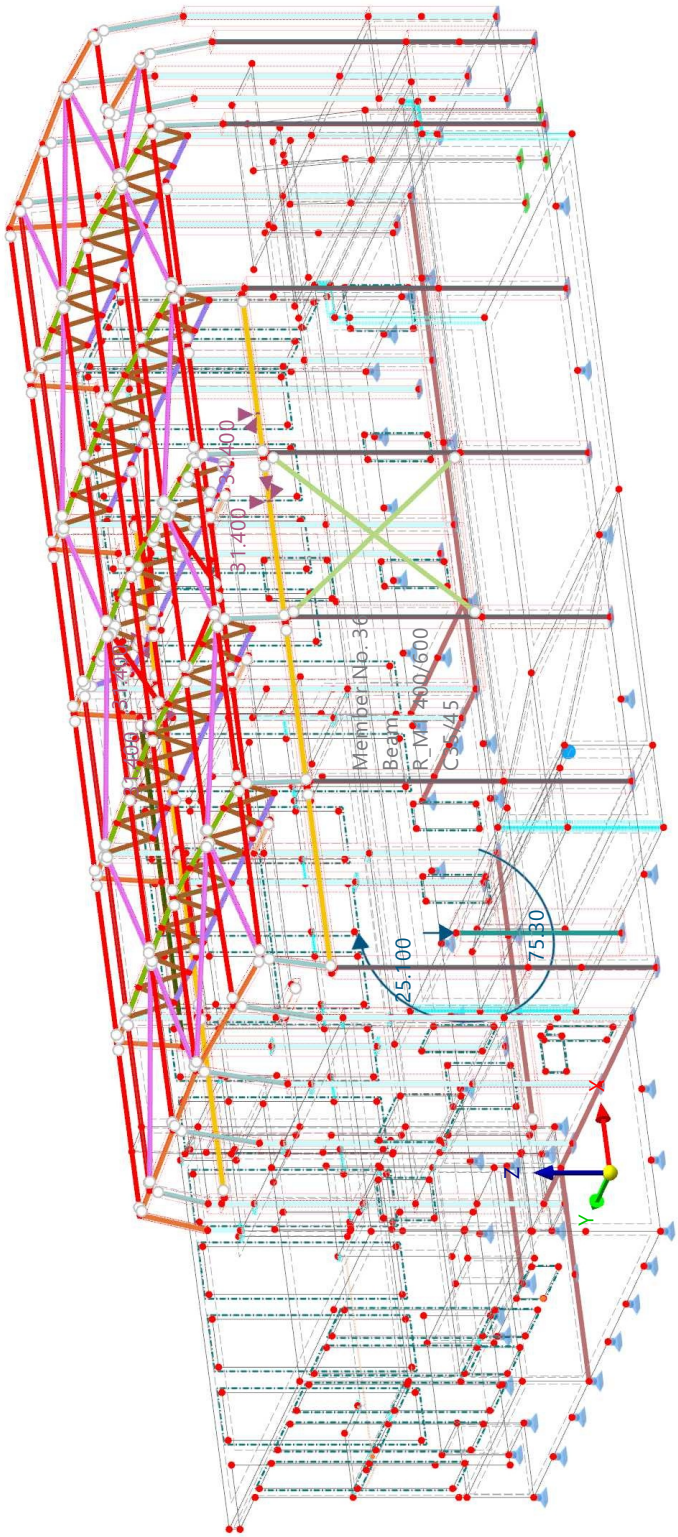


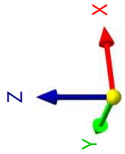
Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Parameters Symbol	Value	Unit
1	40,427	Force	Concentrated - 1	1	Z_L	P	-31.400	kN
						A	1.600	m
2	37,215	Force	Concentrated - 1	1	Z_L	P	-31.400	kN
						A	4.400	m
3	427	Force	Concentrated - 1	1	Y_L	P	9.700	kN
						A	1.600	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



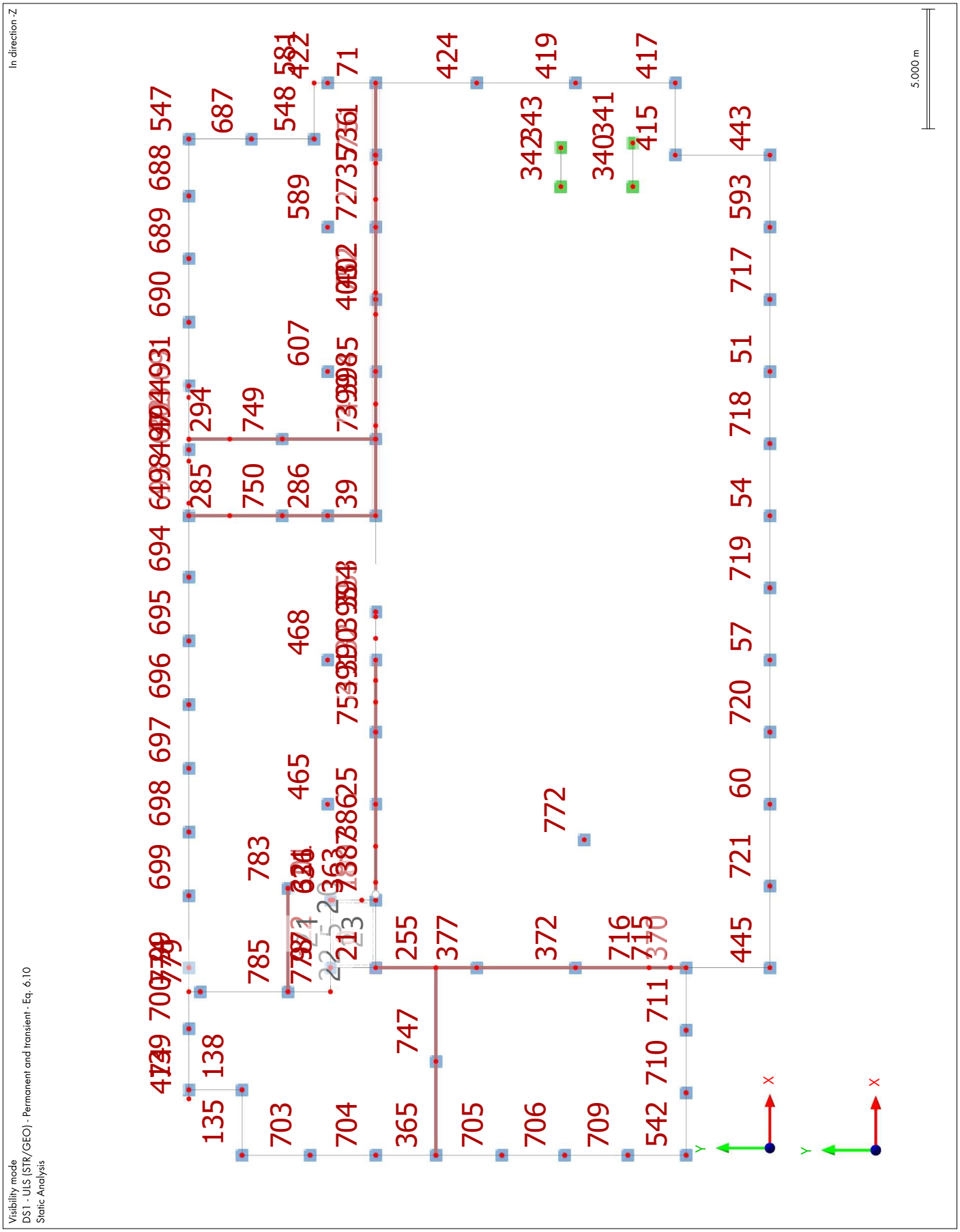


LC6 - Kranas
Loads [kN], [kNm]
Static Analysis

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		-59.83	-3.18	-478.35	-7.30	17.71	1.94	
25	G LC1		-13.50	-3.36	-410.25	4.39	-18.94	-1.98	
32	G LC1		-39.38	-4.71	-381.76	5.15	-11.32	-0.49	
39	G LC1		75.26	-4.48	-435.93	-8.88	23.11	0.33	
45	G LC1		-5.43	-0.99	-326.31	-0.83	10.11	0.12	
51	G LC1		0.39	3.30	-229.90	-4.92	0.09	-0.08	
54	G LC1		-9.12	4.15	-228.48	-6.45	-1.20	-0.04	
57	G LC1		-15.07	4.34	-234.14	-6.51	-2.15	0.05	
60	G LC1		-10.67	4.30	-288.15	-6.15	-1.75	-0.03	
71	G LC1		29.06	34.57	-290.80	-2.10	-14.25	0.91	
72	G LC1		15.33	-1.45	-274.00	1.52	-8.28	0.07	
74	G LC1		4.86	-14.71	-173.04	0.00	0.00	0.05	
99	G LC1		-16.94	-2.86	-184.08	0.00	0.00	0.92	
100	G LC1		65.68	-29.62	-194.22	0.00	0.00	-0.35	
101	G LC1		69.07	20.91	-154.63	0.00	0.00	0.52	
135	G LC1		-23.01	81.89	-231.34	0.00	0.00	-0.46	
138	G LC1		12.58	-4.77	-15.84	0.00	0.00	0.19	
139	G LC1		-26.21	4.03	-177.43	0.00	0.00	-0.01	
286	G LC1		-0.94	-1.79	-322.40	-0.60	-0.98	-0.06	
322	G LC1		-102.52	12.35	-185.31	0.00	0.00	-3.13	
340	G LC1		-74.12	0.72	-175.57	-0.78	7.11	0.11	
341	G LC1		116.64	0.00	-232.80	-0.57	-7.28	-0.09	
342	G LC1		-76.41	-4.97	-182.13	8.01	9.35	-1.12	
343	G LC1		93.23	-5.99	-207.81	8.29	-9.31	1.13	
365	G LC1		-72.51	20.66	-447.77	0.00	0.00	0.18	
370	G LC1		69.60	40.38	-510.35	-16.63	-4.79	-0.29	
372	G LC1		-0.27	7.66	-502.08	-1.47	-0.27	0.04	
377	G LC1		0.58	-17.85	-555.95	-16.94	-0.98	-0.61	
415	G LC1		-41.17	46.64	-275.53	1.56	1.48	0.04	
417	G LC1		18.22	-27.94	-141.68	-1.56	-3.31	0.04	
419	G LC1		-1.59	-2.70	-226.82	-0.22	-1.82	0.10	
422	G LC1		13.25	11.95	-189.05	-2.12	4.98	-1.96	
424	G LC1		0.56	-0.78	-263.92	-0.23	1.13	-0.83	
443	G LC1		34.39	-25.15	-207.20	-4.54	-0.49	-0.03	
445	G LC1		-51.34	-49.46	-231.39	-2.82	-1.55	0.22	
465	G LC1		-1.93	-4.20	-498.91	5.13	-2.71	0.02	
468	G LC1		0.17	-5.36	-541.10	6.71	0.26	0.01	
542	G LC1		-55.33	-64.20	-234.19	0.00	0.00	0.15	
547	G LC1		33.07	34.22	-125.40	0.00	0.00	-0.01	
548	G LC1		-5.24	-41.67	-125.37	0.00	0.00	0.20	
589	G LC1		0.77	-2.39	-177.90	7.80	2.32	-0.11	
593	G LC1		12.60	2.07	-228.72	-3.02	1.34	-0.11	
607	G LC1		-0.89	-1.97	-166.80	6.24	-3.01	-0.12	
687	G LC1		0.34	1.18	-155.08	0.00	0.00	0.28	
688	G LC1		3.10	-0.25	-156.70	0.00	0.00	-0.07	
689	G LC1		-1.01	0.02	-180.99	0.00	0.00	0.00	
690	G LC1		-2.75	0.00	-186.55	0.00	0.00	0.03	
691	G LC1		-20.20	-0.70	-177.12	0.00	0.00	0.35	
692	G LC1		0.80	-1.95	-216.81	0.00	0.00	0.43	
693	G LC1		19.81	3.12	-218.56	0.00	0.00	-0.37	
694	G LC1		2.40	-1.55	-217.99	0.00	0.00	-0.65	
695	G LC1		2.29	0.02	-227.24	0.00	0.00	0.04	
696	G LC1		3.97	-0.38	-230.00	0.00	0.00	0.06	
697	G LC1		-3.86	-0.86	-240.25	0.00	0.00	0.08	
698	G LC1		-4.46	-1.06	-247.75	0.00	0.00	-0.07	
699	G LC1		-8.61	0.03	-223.79	0.00	0.00	-0.17	
700	G LC1		2.34	-1.89	-180.05	0.00	0.00	-0.58	
703	G LC1		-1.91	-12.36	-310.22	0.00	0.00	-0.38	
704	G LC1		-0.61	15.40	-318.93	0.00	0.00	0.55	
705	G LC1		0.70	-6.71	-341.79	0.00	0.00	-0.14	
706	G LC1		0.02	-2.58	-316.10	0.00	0.00	0.01	
709	G LC1		0.22	13.52	-277.72	0.00	0.00	0.15	
710	G LC1		-2.99	0.26	-269.36	0.00	0.00	-0.05	
711	G LC1		21.52	0.01	-289.29	0.00	0.00	-0.07	
717	G LC1		3.74	0.04	-125.68	0.00	0.00	0.01	
718	G LC1		-2.42	0.02	-121.53	0.00	0.00	0.01	
719	G LC1		-9.83	0.03	-121.66	0.00	0.00	-0.01	
720	G LC1		-9.35	0.02	-136.70	0.00	0.00	0.00	
721	G LC1		-21.80	-0.06	-161.47	0.00	0.00	0.06	
747	G LC1		-28.75	0.14	-268.83	-0.55	14.49	0.00	
749	G LC1		-0.07	17.97	-203.29	0.00	0.00	0.15	
750	G LC1		0.20	-22.72	-153.47	0.00	0.00	-0.24	
751	G LC1		8.72	-0.09	-94.53	0.00	0.00	0.01	
752	G LC1		0.07	-0.06	-136.00	0.00	0.00	0.00	
753	G LC1		-40.11	-1.53	-253.67	0.00	0.00	-0.02	
754	G LC1		17.99	-0.51	-150.39	0.00	0.00	0.00	
772	G LC1		28.40	2.07	-365.05	-10.88	50.45	-0.04	

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		1.41	-8.51	-64.09	0.00	0.00	0.72	
783	LC1		30.19	-0.15	-101.90	0.00	0.00	0.09	
785	LC1		-65.23	21.04	-224.50	0.00	0.00	-2.85	
799	LC1		16.00	-1.20	-306.21	0.00	0.00	0.11	
	Total max/min values with corresponding values								
341	LC1	P_x	116.64	0.00	-232.80	-0.57	-7.28	-0.09	
322			-102.52	12.35	-185.31	0.00	0.00	-3.13	
135		P_y	-23.01	81.89	-231.34	0.00	0.00	-0.46	
542			-55.33	-64.20	-234.19	0.00	0.00	0.15	
138		P_z	12.58	-4.77	-15.84	0.00	0.00	0.19	
377			0.58	-17.85	-555.95	-16.94	-0.98	-0.61	
343		M_x	93.23	-5.99	-207.81	8.29	-9.31	1.13	
377			0.58	-17.85	-555.95	-16.94	-0.98	-0.61	
772		M_y	28.40	2.07	-365.05	-10.88	50.45	-0.04	
25			-13.50	-3.36	-410.25	4.39	-18.94	-1.98	
20		M_z	-59.83	-3.18	-478.35	-7.30	17.71	1.94	
322			-102.52	12.35	-185.31	0.00	0.00	-3.13	

	Sum of loads and sum of support forces					
	LC1		P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ			0.00	0.00	-31894.70	Loads
Σ			-97.80	17.36	-19636.00	Support Forces

20	LC2		20.16	14.34	0.00	-2.59	50.04	4.15	
25	LC2		102.61	0.10	0.00	-0.71	92.24	-0.07	
32	LC2		62.06	0.55	0.00	-1.80	80.09	0.27	
39	LC2		81.23	4.99	0.00	-9.79	88.60	-0.24	
45	LC2		27.54	0.75	0.00	-2.58	88.35	0.06	
51	LC2		87.02	-5.33	0.00	13.30	91.85	0.26	
54	LC2		87.42	-5.78	0.00	14.21	92.93	-0.21	
57	LC2		85.42	-2.71	0.00	6.68	93.55	-0.52	
60	LC2		79.08	0.61	0.00	-1.52	92.90	-0.30	
71	LC2		29.07	0.29	0.00	1.76	75.16	0.73	
72	LC2		27.01	0.83	0.00	-2.57	86.90	-0.01	
74	LC2		-14.64	3.32	0.00	0.00	0.00	0.04	
99	LC2		-1.46	-0.26	0.00	0.00	0.00	0.02	
100	LC2		-58.99	-8.33	0.00	0.00	0.00	3.95	
101	LC2		-18.88	-15.05	0.00	0.00	0.00	-0.90	
135	LC2		0.00	0.19	0.00	0.00	0.00	0.00	
138	LC2		0.02	-0.07	0.00	0.00	0.00	0.00	
139	LC2		-0.48	0.09	0.00	0.00	0.00	0.00	
286	LC2		5.45	6.03	0.00	-13.31	16.30	0.67	
322	LC2		-21.22	10.46	0.00	0.00	0.00	-1.25	
340	LC2		30.81	-1.80	153.69	2.25	-2.95	-0.39	
341	LC2		14.89	-1.69	-119.62	2.22	-1.75	0.39	
342	LC2		19.14	2.01	126.54	-1.91	-2.05	0.20	
343	LC2		17.56	-0.60	-122.90	-1.19	-1.87	-0.16	
365	LC2		-1.61	-1.98	0.00	0.00	0.00	0.01	
370	LC2		88.77	-1.53	0.00	-2.88	74.44	0.92	
372	LC2		4.13	0.18	0.00	-4.15	14.35	0.18	
377	LC2		3.87	5.28	0.00	-3.85	17.10	0.25	
415	LC2		13.00	-0.69	0.00	-5.57	38.03	0.98	
417	LC2		22.05	-15.52	-32.03	0.13	37.96	-1.04	
419	LC2		5.31	-0.64	-5.68	1.19	22.09	0.86	
422	LC2		41.02	-3.50	0.00	2.22	46.42	-3.73	
424	LC2		7.90	13.34	0.00	0.79	27.95	-1.34	
443	LC2		53.32	2.29	0.00	-10.85	81.50	0.25	
445	LC2		79.74	1.24	0.00	-3.40	87.75	-1.66	
465	LC2		4.48	0.00	0.00	-0.38	13.51	0.06	
468	LC2		4.36	0.31	0.00	-1.11	13.31	0.07	
542	LC2		-5.26	1.55	0.00	0.00	0.00	-0.02	
547	LC2		1.78	-2.52	0.00	0.00	0.00	0.00	
548	LC2		-25.78	4.82	0.00	0.00	0.00	0.34	
589	LC2		0.83	0.12	0.00	-0.72	5.70	-0.02	
593	LC2		39.60	-3.81	0.00	6.85	85.94	0.47	
607	LC2		0.84	0.14	0.00	-0.79	5.72	-0.02	
687	LC2		0.07	-4.73	0.00	0.00	0.00	-0.30	
688	LC2		0.91	0.15	0.00	0.00	0.00	0.00	
689	LC2		0.44	0.03	0.00	0.00	0.00	0.00	
690	LC2		0.05	0.00	0.00	0.00	0.00	0.00	
691	LC2		2.22	0.02	0.00	0.00	0.00	-0.01	
692	LC2		0.57	0.30	0.00	0.00	0.00	0.08	
693	LC2		0.24	0.74	0.00	0.00	0.00	0.03	
694	LC2		-1.32	0.00	0.00	0.00	0.00	-0.01	
695	LC2		-0.61	0.04	0.00	0.00	0.00	0.04	
696	LC2		-0.45	-0.03	0.00	0.00	0.00	0.04	
697	LC2		-0.64	-0.11	0.00	0.00	0.00	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
698	LC2		-0.93	-0.23	0.00	0.00	0.00	0.04	
699	LC2		-1.18	-0.23	0.00	0.00	0.00	-0.01	
700	LC2		-0.75	-0.04	0.00	0.00	0.00	-0.03	
703	LC2		0.02	0.56	0.00	0.00	0.00	0.01	
704	LC2		0.17	0.09	0.00	0.00	0.00	0.05	
705	LC2		0.16	-3.85	0.00	0.00	0.00	-0.05	
706	LC2		0.05	-1.63	0.00	0.00	0.00	-0.01	
709	LC2		-0.04	0.73	0.00	0.00	0.00	-0.04	
710	LC2		-15.99	-0.05	0.00	0.00	0.00	0.01	
711	LC2		-42.35	-0.15	0.00	0.00	0.00	-0.05	
717	LC2		-68.76	0.62	0.00	0.00	0.00	-0.11	
718	LC2		-64.94	0.94	0.00	0.00	0.00	0.00	
719	LC2		-67.22	0.72	0.00	0.00	0.00	0.08	
720	LC2		-70.44	0.28	0.00	0.00	0.00	0.09	
721	LC2		-79.12	0.02	0.00	0.00	0.00	0.02	
747	LC2		15.62	0.27	0.00	-0.34	72.19	0.25	
749	LC2		0.00	4.66	0.00	0.00	0.00	-0.02	
750	LC2		-0.03	-0.21	0.00	0.00	0.00	-0.09	
751	LC2		-24.97	0.07	0.00	0.00	0.00	-0.01	
752	LC2		-23.57	0.07	0.00	0.00	0.00	0.00	
753	LC2		-36.02	-0.13	0.00	0.00	0.00	0.04	
754	LC2		-13.66	0.02	0.00	0.00	0.00	0.00	
772	LC2		37.55	1.15	0.00	-6.23	207.00	-0.08	
779	LC2		-1.73	-2.06	0.00	0.00	0.00	-0.69	
783	LC2		1.19	0.02	0.00	0.00	0.00	-0.05	
785	LC2		14.15	-5.69	0.00	0.00	0.00	6.94	
799	LC2		-31.88	-0.51	0.00	0.00	0.00	-0.11	
	Total max/min values with corresponding values								
25	LC2	P_x	102.61	0.10	0.00	-0.71	92.24	-0.07	
721			-79.12	0.02	0.00	0.00	0.00	0.02	
20		P_y	20.16	14.34	0.00	-2.59	50.04	4.15	
417			22.05	-15.52	-32.03	0.13	37.96	-1.04	
340		P_z	30.81	-1.80	153.69	2.25	-2.95	-0.39	
343			17.56	-0.60	-122.90	-1.19	-1.87	-0.16	
54		M_x	87.42	-5.78	0.00	14.21	92.93	-0.21	
286			5.45	6.03	0.00	-13.31	16.30	0.67	
772		M_y	37.55	1.15	0.00	-6.23	207.00	-0.08	
340			30.81	-1.80	153.69	2.25	-2.95	-0.39	
785		M_z	14.15	-5.69	0.00	0.00	0.00	6.94	
422			41.02	-3.50	0.00	2.22	46.42	-3.73	
	Sum of loads and sum of support forces								
	LC2		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			543.65	-0.11	-11654.00	Loads			
Σ			525.95	-6.17	0.00	Support Forces			
20	LC3		-1.71	-0.11	0.00	4.57	4.00	0.88	
25	LC3		5.12	-0.91	0.00	2.82	7.55	0.05	
32	LC3		1.63	-1.77	0.00	4.55	5.82	-0.52	
39	LC3		1.07	-5.65	0.00	17.75	7.05	0.39	
45	LC3		-0.80	-0.10	0.00	1.91	5.67	-0.02	
51	LC3		8.87	63.96	-0.48	-52.79	1.67	-0.53	
54	LC3		3.74	65.28	0.00	-56.27	3.43	0.17	
57	LC3		-3.08	61.59	0.00	-46.94	4.87	0.81	
60	LC3		0.47	56.81	0.00	-30.26	5.83	-0.61	
71	LC3		-36.41	-5.22	0.00	3.55	-8.15	-6.89	
72	LC3		-1.69	0.21	0.00	0.23	6.30	0.01	
74	LC3		-3.93	0.01	0.00	0.00	0.00	0.02	
99	LC3		2.79	-25.88	0.00	0.00	0.00	-3.93	
100	LC3		-5.96	-0.43	0.00	0.00	0.00	0.35	
101	LC3		-1.28	-0.79	0.00	0.00	0.00	-0.08	
135	LC3		31.20	2.86	0.00	0.00	0.00	1.34	
138	LC3		8.08	-15.54	0.00	0.00	0.00	-0.15	
139	LC3		7.46	-30.18	0.00	0.00	0.00	-0.67	
286	LC3		0.05	-7.60	0.00	24.48	0.69	-0.01	
322	LC3		0.82	10.03	0.00	0.00	0.00	0.48	
340	LC3		1.00	-0.11	2.80	0.49	-0.07	-0.07	
341	LC3		-0.20	-0.38	-0.23	0.56	0.02	0.07	
342	LC3		1.02	0.13	4.18	0.17	-0.09	-0.01	
343	LC3		0.41	-0.16	-2.79	0.25	-0.02	0.02	
365	LC3		29.62	0.19	0.00	0.00	0.00	0.29	
370	LC3		21.19	21.34	0.00	7.79	7.16	0.61	
372	LC3		0.26	-3.26	0.00	11.36	0.88	0.02	
377	LC3		0.26	-10.72	0.00	11.50	1.09	-0.03	
415	LC3		-28.15	18.69	0.00	-1.81	-4.60	-3.96	
417	LC3		-28.19	10.85	0.00	0.64	-4.84	4.96	
419	LC3		-61.33	6.85	0.00	2.15	-26.11	0.30	

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	G LC3		-24.24	-4.23	0.00	3.92	-15.33	3.97	
424	G LC3		-61.94	1.34	0.00	2.80	-26.12	0.09	
443	G LC3		-17.23	21.16	0.00	-2.47	-3.36	3.72	
445	G LC3		24.75	20.30	0.00	9.88	8.94	2.24	
465	G LC3		0.27	-0.74	0.00	2.27	0.89	-0.02	
468	G LC3		0.19	-0.92	0.00	2.72	0.76	-0.04	
542	G LC3		6.90	6.51	0.00	0.00	0.00	0.23	
547	G LC3		-2.21	-1.74	0.00	0.00	0.00	-0.08	
548	G LC3		-20.65	-19.57	0.00	0.00	0.00	1.52	
589	G LC3		-0.16	-0.47	0.00	2.85	-0.58	-0.18	
593	G LC3		-0.60	50.66	0.00	-31.12	-0.48	-4.29	
607	G LC3		-0.16	-0.34	0.00	2.07	-0.56	-0.18	
687	G LC3		-27.08	-26.11	0.00	0.00	0.00	-2.56	
688	G LC3		-9.52	-25.38	0.00	0.00	0.00	4.85	
689	G LC3		-8.17	-40.97	0.00	0.00	0.00	1.28	
690	G LC3		-7.58	-41.73	0.00	0.00	0.00	-0.13	
691	G LC3		-2.96	-30.70	0.00	0.00	0.00	-3.44	
692	G LC3		3.37	-15.26	0.00	0.00	0.00	-1.14	
693	G LC3		2.73	-30.07	0.00	0.00	0.00	1.46	
694	G LC3		1.48	-33.11	0.00	0.00	0.00	0.69	
695	G LC3		2.38	-34.56	0.00	0.00	0.00	-0.02	
696	G LC3		2.14	-34.36	0.00	0.00	0.00	-0.14	
697	G LC3		1.98	-33.94	0.00	0.00	0.00	-0.05	
698	G LC3		2.26	-31.46	0.00	0.00	0.00	-0.08	
699	G LC3		3.66	-35.90	0.00	0.00	0.00	2.32	
700	G LC3		7.64	-28.58	0.00	0.00	0.00	3.56	
703	G LC3		34.22	-6.82	0.00	0.00	0.00	0.26	
704	G LC3		29.81	-1.24	0.00	0.00	0.00	-2.64	
705	G LC3		31.20	1.82	0.00	0.00	0.00	1.15	
706	G LC3		34.66	5.83	0.00	0.00	0.00	-0.04	
709	G LC3		26.88	11.91	0.00	0.00	0.00	-2.37	
710	G LC3		13.03	28.69	0.00	0.00	0.00	1.57	
711	G LC3		9.55	29.50	0.00	0.00	0.00	-1.36	
717	G LC3		6.53	32.53	-3.47	0.00	0.00	0.35	
718	G LC3		1.99	31.21	0.00	0.00	0.00	0.04	
719	G LC3		-6.03	31.42	0.00	0.00	0.00	-0.11	
720	G LC3		-13.47	32.13	0.00	0.00	0.00	-0.13	
721	G LC3		6.42	38.63	0.00	0.00	0.00	0.15	
747	G LC3		13.30	-0.10	0.00	0.63	4.14	0.04	
749	G LC3		-0.21	-8.11	0.00	0.00	0.00	0.26	
750	G LC3		-0.01	1.00	0.00	0.00	0.00	-0.01	
751	G LC3		-10.07	0.05	0.00	0.00	0.00	-0.01	
752	G LC3		-4.83	0.02	0.00	0.00	0.00	0.00	
753	G LC3		-6.42	0.11	0.00	0.00	0.00	-0.11	
754	G LC3		-2.97	-0.09	0.00	0.00	0.00	0.00	
772	G LC3		2.26	-3.86	0.00	21.06	12.51	-0.02	
779	G LC3		3.41	-20.06	0.00	0.00	0.00	-0.75	
783	G LC3		0.09	0.06	0.00	0.00	0.00	-0.04	
785	G LC3		0.84	-7.37	0.00	0.00	0.00	0.71	
799	G LC3		-7.01	0.21	0.00	0.00	0.00	0.11	
	Total max/min values with corresponding values								
706	G LC3	P_x	34.66	5.83	0.00	0.00	0.00	-0.04	
424			-61.94	1.34	0.00	2.80	-26.12	0.09	
54		P_y	3.74	65.28	0.00	-56.27	3.43	0.17	
690			-7.58	-41.73	0.00	0.00	0.00	-0.13	
342		P_z	1.02	0.13	4.18	0.17	-0.09	-0.01	
717			6.53	32.53	-3.47	0.00	0.00	0.35	
286		M_x	0.05	-7.60	0.00	24.48	0.69	-0.01	
54			3.74	65.28	0.00	-56.27	3.43	0.17	
772		M_y	2.26	-3.86	0.00	21.06	12.51	-0.02	
424			-61.94	1.34	0.00	2.80	-26.12	0.09	
417		M_z	-28.19	10.85	0.00	0.64	-4.84	4.96	
71			-36.41	-5.22	0.00	3.55	-8.15	-6.89	
	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			-7.28	37.32	0.01	Support Forces			
20	QI B LC4		-6.92	0.87	-49.35	-0.71	1.72	0.27	
25	QI B LC4		-1.21	-0.04	-35.97	0.04	-1.72	-0.01	
32	QI B LC4		-1.33	-0.14	-26.80	0.11	-0.90	-0.01	
39	QI B LC4		9.74	-1.02	-36.83	-0.46	1.70	0.01	
45	QI B LC4		-0.07	0.15	-27.38	-0.38	1.54	-0.02	
51	QI B LC4		0.37	0.64	-20.46	-1.17	0.05	-0.02	
54	QI B LC4		-1.69	0.85	-20.03	-1.72	-0.22	-0.04	
57	QI B LC4		-3.61	1.06	-20.19	-2.12	-0.48	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
60	QI3 LC4		-2.17	0.63	-24.36	-1.15	-0.43	0.08	
71	QI3 LC4		5.80	8.02	-28.46	-0.62	-0.86	0.15	
72	QI3 LC4		2.98	-0.28	-29.30	0.35	-0.78	0.02	
74	QI3 LC4		0.60	1.10	-9.95	0.00	0.00	0.00	
99	QI3 LC4		-1.14	-0.04	0.00	0.00	0.00	0.01	
100	QI3 LC4		6.59	-2.73	-20.63	0.00	0.00	-0.05	
101	QI3 LC4		4.15	2.15	-10.85	0.00	0.00	-0.05	
135	QI3 LC4		-2.11	6.90	-19.04	0.00	0.00	-0.06	
138	QI3 LC4		0.50	-0.83	0.00	0.00	0.00	0.04	
139	QI3 LC4		-0.33	0.19	0.00	0.00	0.00	-0.12	
286	QI3 LC4		0.06	-1.95	-31.09	0.19	0.21	-0.03	
322	QI3 LC4		-7.13	0.85	-11.74	0.00	0.00	-0.22	
340	QI3 LC4		-14.76	0.06	-33.04	0.07	1.31	-0.02	
341	QI3 LC4		20.19	-0.31	-41.71	0.17	-1.32	0.03	
342	QI3 LC4		-20.87	-0.93	-46.54	1.78	2.23	-0.26	
343	QI3 LC4		18.66	-1.63	-44.24	1.98	-2.11	0.27	
365	QI3 LC4		-9.37	2.29	-36.92	0.00	0.00	0.04	
370	QI3 LC4		4.00	1.15	-57.98	-2.85	-1.10	-0.04	
372	QI3 LC4		-0.05	1.15	-91.36	-0.13	-0.08	0.00	
377	QI3 LC4		0.04	3.27	-88.02	-1.02	-0.14	-0.06	
415	QI3 LC4		-2.20	7.53	-30.81	-0.34	0.53	0.01	
417	QI3 LC4		3.91	-3.41	-13.80	-0.02	0.03	-0.02	
419	QI3 LC4		0.02	-1.52	-23.76	0.07	0.25	0.00	
422	QI3 LC4		1.34	4.10	-11.23	-0.47	1.42	0.02	
424	QI3 LC4		0.51	1.57	-31.47	-0.20	1.02	-0.14	
443	QI3 LC4		3.96	2.23	-7.38	-1.24	0.40	-0.03	
445	QI3 LC4		-9.55	-8.36	-28.07	0.31	-0.85	0.04	
465	QI3 LC4		-0.61	-1.62	-78.82	2.23	-0.85	0.00	
468	QI3 LC4		0.06	-2.01	-92.20	2.78	0.11	0.00	
542	QI3 LC4		-4.81	-3.47	-11.01	0.00	0.00	0.00	
547	QI3 LC4		0.07	-0.24	0.00	0.00	0.00	0.01	
548	QI3 LC4		-0.05	-0.15	0.00	0.00	0.00	0.00	
589	QI3 LC4		-0.01	0.01	0.00	-0.03	-0.04	-0.01	
593	QI3 LC4		3.65	0.57	-18.19	-0.98	0.39	-0.03	
607	QI3 LC4		0.00	0.01	-0.29	-0.06	0.00	-0.01	
687	QI3 LC4		0.04	-0.43	0.00	0.00	0.00	0.04	
688	QI3 LC4		0.36	-0.07	0.00	0.00	0.00	-0.01	
689	QI3 LC4		0.34	-0.01	0.00	0.00	0.00	-0.01	
690	QI3 LC4		0.34	0.00	0.00	0.00	0.00	0.00	
691	QI3 LC4		0.51	0.00	-0.16	0.00	0.00	0.00	
692	QI3 LC4		0.15	-0.05	-7.94	0.00	0.00	0.09	
693	QI3 LC4		2.29	-0.03	-14.22	0.00	0.00	0.01	
694	QI3 LC4		1.93	-0.22	-16.45	0.00	0.00	-0.07	
695	QI3 LC4		1.53	-0.05	-19.67	0.00	0.00	0.00	
696	QI3 LC4		1.27	-0.08	-20.53	0.00	0.00	0.00	
697	QI3 LC4		-0.20	-0.11	-19.83	0.00	0.00	0.00	
698	QI3 LC4		-1.07	-0.11	-15.18	0.00	0.00	-0.01	
699	QI3 LC4		-1.63	-0.03	-5.74	0.00	0.00	-0.02	
700	QI3 LC4		-1.09	-0.04	0.00	0.00	0.00	-0.05	
703	QI3 LC4		-0.44	0.20	-26.18	0.00	0.00	0.05	
704	QI3 LC4		-0.04	1.35	-26.76	0.00	0.00	0.13	
705	QI3 LC4		0.10	0.56	-28.97	0.00	0.00	-0.01	
706	QI3 LC4		-0.01	-1.68	-25.66	0.00	0.00	0.00	
709	QI3 LC4		-0.06	-2.03	-15.94	0.00	0.00	0.00	
710	QI3 LC4		-6.19	-0.02	-17.91	0.00	0.00	0.01	
711	QI3 LC4		-3.37	-0.03	-26.14	0.00	0.00	-0.01	
717	QI3 LC4		1.02	-0.03	-10.87	0.00	0.00	0.01	
718	QI3 LC4		-0.42	-0.07	-10.60	0.00	0.00	0.01	
719	QI3 LC4		-1.95	-0.08	-10.45	0.00	0.00	0.00	
720	QI3 LC4		-2.83	-0.04	-11.07	0.00	0.00	-0.01	
721	QI3 LC4		-3.77	-0.07	-20.35	0.00	0.00	0.00	
747	QI3 LC4		-5.64	0.03	-31.37	-0.08	2.03	0.01	
749	QI3 LC4		0.03	3.13	-8.58	0.00	0.00	-0.01	
750	QI3 LC4		0.11	-4.77	-18.67	0.00	0.00	-0.09	
751	QI3 LC4		2.61	-0.01	-9.82	0.00	0.00	0.00	
752	QI3 LC4		1.05	-0.01	-14.34	0.00	0.00	0.00	
753	QI3 LC4		0.20	-0.06	-16.10	0.00	0.00	0.00	
754	QI3 LC4		2.15	-0.01	-15.71	0.00	0.00	0.00	
772	QI3 LC4		14.89	-0.04	-92.36	-0.74	25.30	-0.02	
779	QI3 LC4		-0.14	-0.04	0.00	0.00	0.00	0.16	
783	QI3 LC4		3.24	-0.06	-15.59	0.00	0.00	0.02	
785	QI3 LC4		-10.55	0.97	-15.88	0.00	0.00	-0.29	
799	QI3 LC4		5.13	-0.08	-23.10	0.00	0.00	0.00	
	Total max/min values with corresponding values								
341	QI3 LC4	P_x	20.19	-0.31	-41.71	0.17	-1.32	0.03	
342			-20.87	-0.93	-46.54	1.78	2.23	-0.26	
71		P_y	5.80	8.02	-28.46	-0.62	-0.86	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
445		P_y	-9.55	-8.36	-28.07	0.31	-0.85	0.04	
99		P_z	-1.14	-0.04	0.00	0.00	0.00	0.01	
772			14.89	-0.04	-92.36	-0.74	25.30	-0.02	
468		M_x	0.06	-2.01	-92.20	2.78	0.11	0.00	
370			4.00	1.15	-57.98	-2.85	-1.10	-0.04	
772		M_y	14.89	-0.04	-92.36	-0.74	25.30	-0.02	
343			18.66	-1.63	-44.24	1.98	-2.11	0.27	
20		M_z	-6.92	0.87	-49.35	-0.71	1.72	0.27	
785			-10.55	0.97	-15.88	0.00	0.00	-0.29	
	Sum of loads and sum of support forces								
	QI B LC4		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			0.00	0.00	-2245.28	Loads			
Σ			-2.89	12.51	-1821.44	Support Forces			
20	Qs LC5		-2.27	-0.11	-26.32	-0.34	0.81	0.07	
25	Qs LC5		-0.13	0.04	-63.08	-0.06	-0.83	-0.09	
32	Qs LC5		-3.27	-0.12	-31.69	0.08	-0.18	-0.01	
39	Qs LC5		9.34	0.71	-40.57	-0.86	1.26	0.02	
45	Qs LC5		0.55	0.11	-54.17	-0.22	-0.23	0.01	
51	Qs LC5		3.63	0.48	-36.74	1.74	0.48	0.12	
54	Qs LC5		-0.45	0.00	-36.82	2.89	-0.05	0.00	
57	Qs LC5		-3.21	0.62	-35.66	1.47	-0.46	-0.15	
60	Qs LC5		-5.55	2.55	-47.76	-2.25	-0.70	-0.17	
71	Qs LC5		0.47	0.94	-7.27	0.02	-0.14	0.00	
72	Qs LC5		0.49	-1.49	-69.76	2.11	-0.10	0.06	
74	Qs LC5		0.70	-0.62	-8.56	0.00	0.00	0.00	
99	Qs LC5		-0.68	-0.15	-8.40	0.00	0.00	0.04	
100	Qs LC5		2.73	-1.04	-8.06	0.00	0.00	-0.01	
101	Qs LC5		3.94	0.61	-8.32	0.00	0.00	0.05	
135	Qs LC5		-0.56	2.90	-7.84	0.00	0.00	-0.01	
138	Qs LC5		0.62	0.11	-0.12	0.00	0.00	0.00	
139	Qs LC5		-1.49	-0.07	-9.47	0.00	0.00	-0.01	
286	Qs LC5		0.00	1.57	-13.44	-0.22	0.03	0.01	
322	Qs LC5		-5.32	0.44	-9.05	0.00	0.00	-0.16	
340	Qs LC5		0.06	0.00	0.26	0.01	-0.01	0.00	
341	Qs LC5		-0.10	-0.01	0.07	0.01	0.00	0.00	
342	Qs LC5		0.03	0.01	0.25	0.00	0.00	0.00	
343	Qs LC5		0.03	-0.01	-0.25	0.00	0.00	0.00	
365	Qs LC5		-3.17	0.88	-18.96	0.00	0.00	0.00	
370	Qs LC5		2.58	-0.11	-16.76	-0.33	-0.11	-0.02	
372	Qs LC5		-0.13	-0.35	-26.39	-0.01	-0.16	0.00	
377	Qs LC5		-0.02	-2.36	-26.87	-0.91	-0.12	-0.05	
415	Qs LC5		-1.36	0.93	-2.45	0.01	-0.12	0.01	
417	Qs LC5		-0.33	-1.61	-5.58	0.03	-0.23	0.03	
419	Qs LC5		-0.77	-1.44	-8.10	0.13	-0.70	0.04	
422	Qs LC5		0.31	0.39	-3.95	-0.04	0.11	-0.04	
424	Qs LC5		-0.81	-0.55	-10.12	0.06	-0.71	-0.06	
443	Qs LC5		8.51	-0.95	-19.74	-0.25	0.81	-0.08	
445	Qs LC5		-4.77	-3.00	-9.75	0.20	-0.49	0.01	
465	Qs LC5		0.00	-0.01	-13.84	-0.01	0.01	0.01	
468	Qs LC5		0.01	0.02	-6.34	-0.08	0.03	0.01	
542	Qs LC5		-1.07	-1.42	-4.06	0.00	0.00	0.00	
547	Qs LC5		1.32	1.30	-3.67	0.00	0.00	0.00	
548	Qs LC5		-0.01	-1.23	-2.81	0.00	0.00	0.00	
589	Qs LC5		0.13	-0.28	-24.79	0.89	0.41	0.00	
593	Qs LC5		6.89	1.29	-36.47	-0.74	0.83	0.09	
607	Qs LC5		-0.14	-0.23	-21.58	0.73	-0.45	-0.01	
687	Qs LC5		0.00	0.12	-5.04	0.00	0.00	0.01	
688	Qs LC5		0.88	-0.01	-6.21	0.00	0.00	0.00	
689	Qs LC5		0.14	0.00	-8.44	0.00	0.00	0.00	
690	Qs LC5		-0.30	0.00	-8.66	0.00	0.00	0.00	
691	Qs LC5		-1.09	-0.05	-7.96	0.00	0.00	0.02	
692	Qs LC5		-0.23	-0.06	-9.46	0.00	0.00	0.02	
693	Qs LC5		-0.57	0.32	-2.88	0.00	0.00	-0.02	
694	Qs LC5		-1.02	-0.07	-0.95	0.00	0.00	-0.02	
695	Qs LC5		-0.66	-0.02	-0.06	0.00	0.00	0.00	
696	Qs LC5		-0.33	-0.04	-0.06	0.00	0.00	0.01	
697	Qs LC5		0.40	-0.08	-1.39	0.00	0.00	0.01	
698	Qs LC5		0.83	-0.11	-4.92	0.00	0.00	0.00	
699	Qs LC5		0.44	-0.04	-7.88	0.00	0.00	-0.02	
700	Qs LC5		-0.07	-0.09	-9.19	0.00	0.00	-0.03	
703	Qs LC5		0.02	-0.51	-10.81	0.00	0.00	-0.01	
704	Qs LC5		-0.02	1.14	-11.36	0.00	0.00	0.00	
705	Qs LC5		0.02	-1.40	-12.60	0.00	0.00	0.00	
706	Qs LC5		0.01	-0.94	-9.77	0.00	0.00	0.00	
709	Qs LC5		0.00	-0.61	-6.31	0.00	0.00	0.00	

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
710	Qs LC5		-0.61	-0.01	-6.60	0.00	0.00	0.00	
711	Qs LC5		0.67	0.00	-9.01	0.00	0.00	0.00	
717	Qs LC5		3.45	0.40	-16.64	0.00	0.00	-0.03	
718	Qs LC5		1.44	0.53	-16.08	0.00	0.00	-0.01	
719	Qs LC5		-1.90	0.50	-15.31	0.00	0.00	0.01	
720	Qs LC5		-2.09	0.42	-18.90	0.00	0.00	0.02	
721	Qs LC5		-7.61	0.21	-13.41	0.00	0.00	0.07	
747	Qs LC5		-0.85	0.00	-12.38	-0.02	0.78	0.00	
749	Qs LC5		-0.02	1.11	-11.36	0.00	0.00	0.02	
750	Qs LC5		0.00	0.46	-4.28	0.00	0.00	0.00	
751	Qs LC5		0.20	-0.09	-0.81	0.00	0.00	0.01	
752	Qs LC5		0.69	-0.07	-2.27	0.00	0.00	-0.01	
753	Qs LC5		-3.02	-0.07	-22.71	0.00	0.00	0.00	
754	Qs LC5		1.27	0.00	-6.99	0.00	0.00	0.00	
772	Qs LC5		0.13	0.00	0.00	0.04	0.50	0.00	
779	Qs LC5		0.00	-1.01	-1.30	0.00	0.00	0.01	
783	Qs LC5		0.70	0.00	-1.62	0.00	0.00	0.00	
785	Qs LC5		-0.82	1.47	-3.99	0.00	0.00	-0.10	
799	Qs LC5		3.16	-0.06	-29.58	0.00	0.00	0.00	
	Total max/min values with corresponding values								
39	Qs LC5	P_x	9.34	0.71	-40.57	-0.86	1.26	0.02	
721			-7.61	0.21	-13.41	0.00	0.00	0.07	
135		P_y	-0.56	2.90	-7.84	0.00	0.00	-0.01	
445			-4.77	-3.00	-9.75	0.20	-0.49	0.01	
340		P_z	0.06	0.00	0.26	0.01	-0.01	0.00	
72			0.49	-1.49	-69.76	2.11	-0.10	0.06	
54		M_x	-0.45	0.00	-36.82	2.89	-0.05	0.00	
60			-5.55	2.55	-47.76	-2.25	-0.70	-0.17	
39		M_y	9.34	0.71	-40.57	-0.86	1.26	0.02	
25			-0.13	0.04	-63.08	-0.06	-0.83	-0.09	
51		M_z	3.63	0.48	-36.74	1.74	0.48	0.12	
60			-5.55	2.55	-47.76	-2.25	-0.70	-0.17	
	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			0.00	0.10	-1102.19	Support Forces			
20	A LC6		0.09	-0.14	0.00	-0.02	-0.03	0.00	
25	A LC6		-0.16	0.07	-0.26	-0.20	0.06	-0.03	
32	A LC6		-1.74	0.17	-10.83	-0.34	-0.04	0.04	
39	A LC6		2.37	0.94	-11.84	-0.61	0.03	-0.03	
45	A LC6		0.08	0.03	-6.96	-0.11	0.00	-0.03	
51	A LC6		0.01	1.53	-1.84	-3.62	-0.25	-0.10	
54	A LC6		0.81	-2.83	-29.71	0.01	0.06	0.02	
57	A LC6		0.55	-0.50	-8.97	-1.99	0.41	0.10	
60	A LC6		-2.47	0.26	0.00	-1.21	0.38	0.15	
71	A LC6		0.05	0.46	0.00	-0.14	0.02	-0.01	
72	A LC6		0.11	0.02	-0.08	-0.06	-0.03	-0.01	
74	A LC6		0.22	0.98	0.00	0.00	0.00	0.00	
99	A LC6		-0.02	-0.03	0.00	0.00	0.00	0.01	
100	A LC6		-0.01	-0.02	0.00	0.00	0.00	0.00	
101	A LC6		0.14	0.16	-0.38	0.00	0.00	0.00	
135	A LC6		-0.02	0.17	-0.18	0.00	0.00	0.00	
138	A LC6		0.02	0.04	0.00	0.00	0.00	0.00	
139	A LC6		-0.03	-0.03	-0.23	0.00	0.00	0.01	
286	A LC6		0.00	1.61	-2.94	-0.36	-0.01	0.00	
322	A LC6		-0.22	0.05	-0.42	0.00	0.00	-0.01	
340	A LC6		0.19	-0.02	0.64	0.02	-0.01	0.00	
341	A LC6		-0.02	-0.02	-0.19	0.02	0.00	0.00	
342	A LC6		0.10	0.01	0.40	-0.03	-0.02	0.00	
343	A LC6		-0.12	0.02	0.13	-0.04	0.01	0.00	
365	A LC6		-0.12	-0.10	0.00	0.00	0.00	0.00	
370	A LC6		0.91	0.88	0.00	-0.70	0.53	-0.01	
372	A LC6		0.02	1.07	0.00	-0.55	0.07	0.01	
377	A LC6		0.01	0.96	0.00	-0.54	0.06	0.01	
415	A LC6		0.14	-0.20	0.00	-0.05	0.14	0.01	
417	A LC6		0.20	0.18	0.00	-0.14	0.14	0.00	
419	A LC6		0.03	0.20	0.00	-0.14	0.06	0.00	
422	A LC6		0.05	0.36	-0.40	-0.13	0.08	0.00	
424	A LC6		0.01	0.33	0.00	-0.14	0.03	0.00	
443	A LC6		-0.48	0.01	0.00	-0.14	-0.32	-0.02	
445	A LC6		0.36	0.98	0.00	-1.29	0.56	0.00	
465	A LC6		0.00	0.07	-0.29	-0.17	-0.01	0.00	
468	A LC6		-0.01	0.07	-0.45	-0.18	-0.02	0.00	
542	A LC6		0.21	-0.08	0.00	0.00	0.00	0.00	
547	A LC6		0.02	0.05	-0.16	0.00	0.00	0.00	

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
548	A LC6		-0.11	0.04	0.00	0.00	0.00	0.00	
589	A LC6		-0.01	0.01	0.00	-0.04	-0.03	-0.01	
593	A LC6		0.21	0.33	0.00	-0.90	-0.29	-0.11	
607	A LC6		0.00	0.01	-0.08	-0.04	-0.02	-0.01	
687	A LC6		-0.01	0.03	0.00	0.00	0.00	0.00	
688	A LC6		-0.02	-0.01	-0.04	0.00	0.00	0.00	
689	A LC6		0.01	0.00	0.00	0.00	0.00	0.00	
690	A LC6		0.06	0.00	-0.08	0.00	0.00	0.00	
691	A LC6		0.07	0.00	-0.26	0.00	0.00	0.00	
692	A LC6		-0.03	0.04	-1.80	0.00	0.00	0.03	
693	A LC6		-0.07	0.27	-1.23	0.00	0.00	-0.02	
694	A LC6		-0.26	-0.05	-0.28	0.00	0.00	-0.02	
695	A LC6		-0.19	-0.01	0.00	0.00	0.00	0.00	
696	A LC6		-0.15	-0.02	0.00	0.00	0.00	0.00	
697	A LC6		-0.10	-0.02	0.00	0.00	0.00	0.00	
698	A LC6		-0.01	-0.02	0.00	0.00	0.00	0.00	
699	A LC6		0.01	0.00	0.00	0.00	0.00	0.00	
700	A LC6		-0.01	-0.02	0.00	0.00	0.00	0.00	
703	A LC6		-0.01	0.25	0.00	0.00	0.00	0.00	
704	A LC6		0.00	0.19	0.00	0.00	0.00	0.00	
705	A LC6		0.01	-0.36	0.00	0.00	0.00	0.00	
706	A LC6		0.00	-0.20	0.00	0.00	0.00	0.00	
709	A LC6		0.00	-0.05	0.00	0.00	0.00	0.00	
710	A LC6		0.43	0.00	0.00	0.00	0.00	0.00	
711	A LC6		0.18	-0.01	0.00	0.00	0.00	0.00	
717	A LC6		1.14	-0.18	0.00	0.00	0.00	0.02	
718	A LC6		0.89	-0.54	-8.92	0.00	0.00	0.08	
719	A LC6		0.39	-0.71	-12.05	0.00	0.00	-0.05	
720	A LC6		-3.22	-0.37	0.00	0.00	0.00	-0.06	
721	A LC6		-1.15	-0.14	0.00	0.00	0.00	-0.03	
747	A LC6		-0.33	0.01	0.00	-0.03	0.30	0.00	
749	A LC6		0.00	1.54	-2.17	0.00	0.00	0.00	
750	A LC6		0.00	0.66	-2.03	0.00	0.00	0.00	
751	A LC6		0.07	0.00	0.00	0.00	0.00	0.00	
752	A LC6		0.14	0.00	-0.15	0.00	0.00	0.00	
753	A LC6		-2.48	0.01	-9.30	0.00	0.00	0.01	
754	A LC6		-0.14	0.01	-0.51	0.00	0.00	0.00	
772	A LC6		-18.66	0.35	-20.82	-1.77	-31.18	0.02	
779	A LC6		0.00	0.02	0.00	0.00	0.00	0.00	
783	A LC6		0.01	0.00	-0.05	0.00	0.00	0.00	
785	A LC6		-0.07	0.08	-0.22	0.00	0.00	-0.01	
799	A LC6		-0.10	0.00	-10.64	0.00	0.00	-0.01	
	Total max/min values with corresponding values								
39	A LC6	P_x	2.37	0.94	-11.84	-0.61	0.03	-0.03	
772			-18.66	0.35	-20.82	-1.77	-31.18	0.02	
286		P_y	0.00	1.61	-2.94	-0.36	-0.01	0.00	
54			0.81	-2.83	-29.71	0.01	0.06	0.02	
340		P_z	0.19	-0.02	0.64	0.02	-0.01	0.00	
54			0.81	-2.83	-29.71	0.01	0.06	0.02	
340		M_x	0.19	-0.02	0.64	0.02	-0.01	0.00	
51			0.01	1.53	-1.84	-3.62	-0.25	-0.10	
445		M_y	0.36	0.98	0.00	-1.29	0.56	0.00	
772			-18.66	0.35	-20.82	-1.77	-31.18	0.02	
60		M_z	-2.47	0.26	0.00	-1.21	0.38	0.15	
593			0.21	0.33	0.00	-0.90	-0.29	-0.11	
	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			-22.23	8.87	-145.59	Support Forces			
20	ULS DS1	P_x	-75.15	-3.61	-635.84	-9.59	24.26	2.43	CO1
			-86.89	-2.45	-725.47	-10.85	27.31	2.89	CO3
		P_y	-84.82	-2.35	-701.51	-10.53	26.57	2.83	CO2
			-78.12	-3.75	-670.08	-10.04	25.31	2.52	CO4
		P_z	-75.15	-3.61	-635.84	-9.59	24.26	2.43	CO1
			-86.89	-2.45	-725.47	-10.85	27.31	2.89	CO3
		M_x	-75.15	-3.61	-635.84	-9.59	24.26	2.43	CO1
			-86.89	-2.45	-725.47	-10.85	27.31	2.89	CO3
		M_y	-86.89	-2.45	-725.47	-10.85	27.31	2.89	CO3
			-75.15	-3.61	-635.84	-9.59	24.26	2.43	CO1
		M_z	-86.89	-2.45	-725.47	-10.85	27.31	2.89	CO3
			-75.15	-3.61	-635.84	-9.59	24.26	2.43	CO1
Extremes			-75.15	-2.35	-635.84	-9.59	27.31	2.89	
20			-86.89	-3.75	-725.47	-10.85	24.26	2.43	
25	ULS DS1	P_x	-4.69	-5.22	-551.98	7.39	-25.88	-2.62	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
25		P_x	-5.96	-5.24	-659.86	7.39	-29.61	-2.73	CO3
		P_y	-4.86	-5.16	-634.03	7.30	-26.97	-2.74	CO4
			-5.84	-5.28	-602.43	7.45	-28.85	-2.64	CO2
		P_z	-4.69	-5.22	-551.98	7.39	-25.88	-2.62	CO1
			-5.71	-5.20	-669.44	7.34	-29.06	-2.76	CO5
		M_x	-5.84	-5.28	-602.43	7.45	-28.85	-2.64	CO2
			-4.86	-5.16	-634.03	7.30	-26.97	-2.74	CO4
		M_y	-4.69	-5.22	-551.98	7.39	-25.88	-2.62	CO1
			-5.96	-5.24	-659.86	7.39	-29.61	-2.73	CO3
		M_z	-4.69	-5.22	-551.98	7.39	-25.88	-2.62	CO1
			-5.71	-5.20	-669.44	7.34	-29.06	-2.76	CO5
Extremes			-4.69	-5.16	-551.98	7.45	-25.88	-2.62	
25			-5.96	-5.28	-669.44	7.30	-29.61	-2.76	
32	ULS DS1	P_x	-27.88	-6.92	-457.98	7.81	-12.26	-0.62	CO1
			-33.37	-7.19	-524.22	7.98	-13.37	-0.64	CO5
		P_y	-27.88	-6.92	-457.98	7.81	-12.26	-0.62	CO1
			-32.43	-7.20	-522.00	7.99	-13.65	-0.64	CO3
		P_z	-27.88	-6.92	-457.98	7.81	-12.26	-0.62	CO1
			-33.37	-7.19	-524.22	7.98	-13.37	-0.64	CO5
		M_x	-32.43	-7.20	-522.00	7.99	-13.65	-0.64	CO3
			-27.88	-6.92	-457.98	7.81	-12.26	-0.62	CO1
		M_y	-27.88	-6.92	-457.98	7.81	-12.26	-0.62	CO1
			-32.43	-7.20	-522.00	7.99	-13.65	-0.64	CO3
		M_z	-27.88	-6.92	-457.98	7.81	-12.26	-0.62	CO1
			-33.37	-7.19	-524.22	7.98	-13.37	-0.64	CO5
Extremes			-27.88	-6.92	-457.98	7.99	-12.26	-0.62	
32			-33.37	-7.20	-524.22	7.81	-13.65	-0.64	
39	ULS DS1	P_x	179.71	-3.23	-760.32	-15.64	39.81	0.52	CO3
			158.44	-2.67	-675.75	-14.21	36.37	0.50	CO1
		P_y	170.55	-1.74	-728.45	-15.32	38.00	0.52	CO4
			171.23	-3.88	-723.44	-14.86	38.67	0.50	CO2
		P_z	158.44	-2.67	-675.75	-14.21	36.37	0.50	CO1
			179.20	-2.59	-761.24	-15.78	39.60	0.52	CO5
		M_x	158.44	-2.67	-675.75	-14.21	36.37	0.50	CO1
			179.20	-2.59	-761.24	-15.78	39.60	0.52	CO5
		M_y	179.71	-3.23	-760.32	-15.64	39.81	0.52	CO3
			158.44	-2.67	-675.75	-14.21	36.37	0.50	CO1
		M_z	179.20	-2.59	-761.24	-15.78	39.60	0.52	CO5
			158.44	-2.67	-675.75	-14.21	36.37	0.50	CO1
Extremes			179.71	-1.74	-675.75	-14.21	39.81	0.52	
39			158.44	-3.88	-761.24	-15.78	36.37	0.50	
45	ULS DS1	P_x	-2.88	-0.51	-515.23	-3.11	14.18	0.23	CO4
			-4.02	-0.45	-480.10	-3.35	16.25	0.20	CO2
		P_y	-3.52	-0.35	-529.40	-3.55	16.04	0.21	CO3
			-3.60	-0.65	-444.82	-2.82	14.47	0.21	CO1
		P_z	-3.60	-0.65	-444.82	-2.82	14.47	0.21	CO1
			-3.25	-0.37	-539.81	-3.49	15.37	0.22	CO5
		M_x	-3.60	-0.65	-444.82	-2.82	14.47	0.21	CO1
			-3.52	-0.35	-529.40	-3.55	16.04	0.21	CO3
		M_y	-4.02	-0.45	-480.10	-3.35	16.25	0.20	CO2
			-2.88	-0.51	-515.23	-3.11	14.18	0.23	CO4
		M_z	-2.88	-0.51	-515.23	-3.11	14.18	0.23	CO4
			-4.02	-0.45	-480.10	-3.35	16.25	0.20	CO2
Extremes			-2.88	-0.35	-444.82	-2.82	16.25	0.23	
45			-4.02	-0.65	-539.81	-3.55	14.18	0.20	
51	ULS DS1	P_x	32.56	83.42	-397.00	-56.71	4.23	0.04	CO4
			24.37	82.95	-374.78	-58.77	3.26	-0.08	CO2
		P_y	30.12	83.51	-414.98	-56.51	4.00	0.07	CO5
			27.84	82.80	-349.24	-58.97	3.61	-0.11	CO1
		P_z	27.84	82.80	-349.24	-58.97	3.61	-0.11	CO1
			30.12	83.51	-414.98	-56.51	4.00	0.07	CO5
		M_x	30.12	83.51	-414.98	-56.51	4.00	0.07	CO5
			27.84	82.80	-349.24	-58.97	3.61	-0.11	CO1
		M_y	32.56	83.42	-397.00	-56.71	4.23	0.04	CO4
			24.37	82.95	-374.78	-58.77	3.26	-0.08	CO2
		M_z	30.12	83.51	-414.98	-56.51	4.00	0.07	CO5
			27.84	82.80	-349.24	-58.97	3.61	-0.11	CO1
Extremes			32.56	83.51	-349.24	-56.51	4.23	0.07	
51			24.37	82.80	-414.98	-58.97	3.26	-0.11	
54	ULS DS1	P_x	46.92	83.53	-336.97	-60.56	6.16	-0.08	CO1
			43.89	83.83	-396.82	-58.10	5.77	-0.13	CO3
		P_y	43.89	83.83	-396.82	-58.10	5.77	-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
54		P_y	46.92	83.53	-336.97	-60.56	6.16	-0.08	CO1
		P_z	46.92	83.53	-336.97	-60.56	6.16	-0.08	CO1
			44.75	83.73	-403.20	-56.88	5.88	-0.11	CO5
		M_x	46.35	83.55	-384.84	-56.84	6.10	-0.07	CO4
			44.29	83.82	-363.31	-60.70	5.81	-0.13	CO2
		M_y	46.92	83.53	-336.97	-60.56	6.16	-0.08	CO1
			43.89	83.83	-396.82	-58.10	5.77	-0.13	CO3
		M_z	46.35	83.55	-384.84	-56.84	6.10	-0.07	CO4
			44.29	83.82	-363.31	-60.70	5.81	-0.13	CO2
Extremes			46.92	83.83	-336.97	-56.84	6.16	-0.07	
54			43.89	83.53	-403.20	-60.70	5.77	-0.13	
57	ULS DS1	P_x	62.81	84.21	-335.24	-61.19	8.14	0.13	CO1
			56.18	85.56	-393.97	-61.09	7.21	-0.04	CO3
		P_y	56.30	85.57	-399.98	-60.15	7.21	-0.09	CO5
			62.81	84.21	-335.24	-61.19	8.14	0.13	CO1
		P_z	62.81	84.21	-335.24	-61.19	8.14	0.13	CO1
			56.30	85.57	-399.98	-60.15	7.21	-0.09	CO5
		M_x	58.64	85.04	-381.60	-59.31	7.54	-0.06	CO4
			59.09	84.98	-361.52	-62.40	7.63	0.09	CO2
		M_y	62.81	84.21	-335.24	-61.19	8.14	0.13	CO1
			56.18	85.56	-393.97	-61.09	7.21	-0.04	CO3
		M_z	62.81	84.21	-335.24	-61.19	8.14	0.13	CO1
			56.30	85.57	-399.98	-60.15	7.21	-0.09	CO5
Extremes			62.81	85.57	-335.24	-59.31	8.14	0.13	
57			56.18	84.21	-399.98	-62.40	7.21	-0.09	
60	ULS DS1	P_x	65.93	85.92	-401.50	-57.64	8.33	-1.56	CO2
			58.29	88.44	-421.83	-59.28	7.59	-1.80	CO4
		P_y	58.80	89.01	-451.22	-60.23	7.50	-1.78	CO5
			65.49	85.12	-359.65	-56.33	8.50	-1.59	CO1
		P_z	65.49	85.12	-359.65	-56.33	8.50	-1.59	CO1
			58.80	89.01	-451.22	-60.23	7.50	-1.78	CO5
		M_x	65.49	85.12	-359.65	-56.33	8.50	-1.59	CO1
			58.80	89.01	-451.22	-60.23	7.50	-1.78	CO5
		M_y	65.49	85.12	-359.65	-56.33	8.50	-1.59	CO1
			58.80	89.01	-451.22	-60.23	7.50	-1.78	CO5
		M_z	65.93	85.92	-401.50	-57.64	8.33	-1.56	CO2
			58.29	88.44	-421.83	-59.28	7.59	-1.80	CO4
Extremes			65.93	89.01	-359.65	-56.33	8.50	-1.56	
60			58.29	85.12	-451.22	-60.23	7.50	-1.80	
71	ULS DS1	P_x	1.22	61.98	-447.37	-3.91	-37.18	-7.65	CO3
			-7.22	49.24	-400.14	-3.01	-35.17	-7.90	CO1
		P_y	1.22	61.98	-447.37	-3.91	-37.18	-7.65	CO3
			-7.22	49.24	-400.14	-3.01	-35.17	-7.90	CO1
		P_z	-7.22	49.24	-400.14	-3.01	-35.17	-7.90	CO1
			1.22	61.98	-447.37	-3.91	-37.18	-7.65	CO3
		M_x	-6.61	50.48	-409.60	-2.98	-35.35	-7.89	CO4
			0.79	61.11	-440.75	-3.93	-37.06	-7.66	CO2
		M_y	-7.22	49.24	-400.14	-3.01	-35.17	-7.90	CO1
			1.22	61.98	-447.37	-3.91	-37.18	-7.65	CO3
		M_z	1.22	61.98	-447.37	-3.91	-37.18	-7.65	CO3
			-7.22	49.24	-400.14	-3.01	-35.17	-7.90	CO1
Extremes			1.22	61.98	-400.14	-2.98	-35.17	-7.65	
71			-7.22	49.24	-447.37	-3.93	-37.18	-7.90	
72	ULS DS1	P_x	27.27	-2.89	-483.87	2.31	-11.56	0.16	CO3
			24.23	-1.23	-380.90	0.08	-10.86	0.08	CO1
		P_y	24.23	-1.23	-380.90	0.08	-10.86	0.08	CO1
			26.43	-3.37	-499.36	3.01	-11.34	0.18	CO5
		P_z	24.23	-1.23	-380.90	0.08	-10.86	0.08	CO1
			26.43	-3.37	-499.36	3.01	-11.34	0.18	CO5
		M_x	26.43	-3.37	-499.36	3.01	-11.34	0.18	CO5
			24.23	-1.23	-380.90	0.08	-10.86	0.08	CO1
		M_y	24.23	-1.23	-380.90	0.08	-10.86	0.08	CO1
			27.27	-2.89	-483.87	2.31	-11.56	0.16	CO3
		M_z	26.43	-3.37	-499.36	3.01	-11.34	0.18	CO5
			24.23	-1.23	-380.90	0.08	-10.86	0.08	CO1
Extremes			27.27	-1.23	-380.90	3.01	-10.86	0.18	
72			24.23	-3.37	-499.36	0.08	-11.56	0.08	
74	ULS DS1	P_x	15.14	-15.50	-257.50	0.00	0.00	0.02	CO5
			13.81	-15.78	-237.43	0.00	0.00	0.01	CO1
		P_y	14.49	-14.24	-250.30	0.00	0.00	0.01	CO2
			14.72	-16.59	-248.56	0.00	0.00	0.01	CO4
		P_z	13.81	-15.78	-237.43	0.00	0.00	0.01	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
74		P_z	15.13	-14.81	-258.08	0.00	0.00	0.01	CO3
		M_x	13.81	-15.78	-237.43	0.00	0.00	0.01	CO1
			13.81	-15.78	-237.43	0.00	0.00	0.01	CO1
		M_y	13.81	-15.78	-237.43	0.00	0.00	0.01	CO1
			13.81	-15.78	-237.43	0.00	0.00	0.01	CO1
		M_z	15.14	-15.50	-257.50	0.00	0.00	0.02	CO5
			13.81	-15.78	-237.43	0.00	0.00	0.01	CO1
Extremes			15.14	-14.24	-237.43	0.00	0.00	0.02	
74			13.81	-16.59	-258.08	0.00	0.00	0.01	
99	ULS DS1	P_x	-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
			-22.70	-39.40	-252.63	0.00	0.00	-4.12	CO5
		P_y	-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
			-22.70	-39.40	-252.63	0.00	0.00	-4.12	CO5
		P_z	-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
			-22.70	-39.40	-252.63	0.00	0.00	-4.12	CO5
		M_x	-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
			-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
		M_y	-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
			-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
		M_z	-22.70	-39.40	-252.63	0.00	0.00	-4.12	CO5
			-21.31	-39.18	-240.56	0.00	0.00	-4.18	CO1
Extremes			-21.31	-39.18	-240.56	0.00	0.00	-4.12	
99			-22.70	-39.40	-252.63	0.00	0.00	-4.18	
100	ULS DS1	P_x	104.16	-45.79	-307.17	0.00	0.00	-0.64	CO3
			92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
		P_y	92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
			104.16	-45.79	-307.17	0.00	0.00	-0.64	CO3
		P_z	92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
			104.16	-45.79	-307.17	0.00	0.00	-0.64	CO3
		M_x	92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
			92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
		M_y	92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
			92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
		M_z	92.65	-41.03	-270.98	0.00	0.00	-0.57	CO1
			104.16	-45.79	-307.17	0.00	0.00	-0.64	CO3
Extremes			104.16	-41.03	-270.98	0.00	0.00	-0.57	
100			92.65	-45.79	-307.17	0.00	0.00	-0.64	
101	ULS DS1	P_x	106.92	31.99	-236.73	0.00	0.00	0.84	CO3
			97.91	28.40	-214.52	0.00	0.00	0.88	CO1
		P_y	106.92	31.99	-236.73	0.00	0.00	0.84	CO3
			97.91	28.40	-214.52	0.00	0.00	0.88	CO1
		P_z	97.91	28.40	-214.52	0.00	0.00	0.88	CO1
			106.92	31.99	-236.73	0.00	0.00	0.84	CO3
		M_x	97.91	28.40	-214.52	0.00	0.00	0.88	CO1
			97.91	28.40	-214.52	0.00	0.00	0.88	CO1
		M_y	97.91	28.40	-214.52	0.00	0.00	0.88	CO1
			97.91	28.40	-214.52	0.00	0.00	0.88	CO1
		M_z	103.03	29.19	-225.34	0.00	0.00	0.94	CO4
			103.33	31.44	-229.15	0.00	0.00	0.79	CO2
Extremes			106.92	31.99	-214.52	0.00	0.00	0.94	
101			97.91	28.40	-236.73	0.00	0.00	0.79	
135	ULS DS1	P_x	5.11	97.74	-277.63	0.00	0.00	1.59	CO1
			2.33	110.25	-312.10	0.00	0.00	1.47	CO3
		P_y	2.33	110.25	-312.10	0.00	0.00	1.47	CO3
			5.11	97.74	-277.63	0.00	0.00	1.59	CO1
		P_z	5.11	97.74	-277.63	0.00	0.00	1.59	CO1
			2.33	110.25	-312.10	0.00	0.00	1.47	CO3
		M_x	5.11	97.74	-277.63	0.00	0.00	1.59	CO1
			5.11	97.74	-277.63	0.00	0.00	1.59	CO1
		M_y	5.11	97.74	-277.63	0.00	0.00	1.59	CO1
			5.11	97.74	-277.63	0.00	0.00	1.59	CO1
		M_z	5.11	97.74	-277.63	0.00	0.00	1.59	CO1
			2.33	110.25	-312.10	0.00	0.00	1.47	CO3
Extremes			5.11	110.25	-277.63	0.00	0.00	1.59	
135			2.33	97.74	-312.10	0.00	0.00	1.47	
138	ULS DS1	P_x	53.09	-49.50	-75.21	0.00	0.00	0.33	CO4
			50.93	-49.20	-70.84	0.00	0.00	0.37	CO2
		P_y	51.50	-49.10	-70.95	0.00	0.00	0.37	CO3
			52.28	-49.64	-75.05	0.00	0.00	0.32	CO1
		P_z	50.93	-49.20	-70.84	0.00	0.00	0.37	CO2
			53.09	-49.50	-75.21	0.00	0.00	0.33	CO4
		M_x	52.28	-49.64	-75.05	0.00	0.00	0.32	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
138		M_x	52.28	-49.64	-75.05	0.00	0.00	0.32	CO1
		M_y	52.28	-49.64	-75.05	0.00	0.00	0.32	CO1
			52.28	-49.64	-75.05	0.00	0.00	0.32	CO1
		M_z	51.50	-49.10	-70.95	0.00	0.00	0.37	CO3
			52.28	-49.64	-75.05	0.00	0.00	0.32	CO1
Extremes			53.09	-49.10	-70.84	0.00	0.00	0.37	
138			50.93	-49.64	-75.21	0.00	0.00	0.32	
139	ULS DS1	P_x	-21.89	-22.09	-215.20	0.00	0.00	-2.89	CO2
			-24.19	-21.44	-228.54	0.00	0.00	-2.89	CO4
		P_y	-22.25	-21.35	-216.24	0.00	0.00	-2.88	CO1
			-23.25	-22.16	-223.81	0.00	0.00	-2.90	CO3
		P_z	-21.89	-22.09	-215.20	0.00	0.00	-2.89	CO2
			-24.19	-21.44	-228.54	0.00	0.00	-2.89	CO4
		M_x	-22.25	-21.35	-216.24	0.00	0.00	-2.88	CO1
			-22.25	-21.35	-216.24	0.00	0.00	-2.88	CO1
		M_y	-22.25	-21.35	-216.24	0.00	0.00	-2.88	CO1
			-22.25	-21.35	-216.24	0.00	0.00	-2.88	CO1
		M_z	-22.25	-21.35	-216.24	0.00	0.00	-2.88	CO1
			-23.25	-22.16	-223.81	0.00	0.00	-2.90	CO3
Extremes			-21.89	-21.35	-215.20	0.00	0.00	-2.88	
139			-24.19	-22.16	-228.54	0.00	0.00	-2.90	
286	ULS DS1	P_x	-0.81	1.93	-498.28	-1.59	0.02	-0.01	CO3
			-0.89	2.84	-445.68	-1.59	-0.29	0.03	CO1
		P_y	-0.89	4.88	-463.14	-1.88	-0.26	0.04	CO4
			-0.81	0.50	-486.06	-1.39	0.00	-0.01	CO2
		P_z	-0.89	2.84	-445.68	-1.59	-0.29	0.03	CO1
			-0.81	1.93	-498.28	-1.59	0.02	-0.01	CO3
		M_x	-0.81	0.50	-486.06	-1.39	0.00	-0.01	CO2
			-0.89	4.88	-463.14	-1.88	-0.26	0.04	CO4
		M_y	-0.81	1.93	-498.28	-1.59	0.02	-0.01	CO3
			-0.89	2.84	-445.68	-1.59	-0.29	0.03	CO1
		M_z	-0.89	4.88	-463.14	-1.88	-0.26	0.04	CO4
			-0.81	0.50	-486.06	-1.39	0.00	-0.01	CO2
Extremes			-0.81	4.88	-445.68	-1.39	0.02	0.04	
286			-0.89	0.50	-498.28	-1.88	-0.29	-0.01	
322	ULS DS1	P_x	-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
			-151.03	17.35	-271.34	0.00	0.00	-4.59	CO3
		P_y	-151.03	17.35	-271.34	0.00	0.00	-4.59	CO3
			-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
		P_z	-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
			-151.03	17.35	-271.34	0.00	0.00	-4.59	CO3
		M_x	-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
			-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
		M_y	-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
			-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
		M_z	-136.69	15.79	-248.04	0.00	0.00	-4.15	CO1
			-151.03	17.35	-271.34	0.00	0.00	-4.59	CO3
Extremes			-136.69	17.35	-248.04	0.00	0.00	-4.15	
322			-151.03	15.79	-271.34	0.00	0.00	-4.59	
340	ULS DS1	P_x	-99.54	1.02	-246.96	-1.76	9.69	0.27	CO4
			-117.45	1.54	-288.86	-2.20	11.34	0.33	CO2
		P_y	-117.43	1.55	-288.72	-2.20	11.34	0.33	CO3
			-99.57	1.01	-247.15	-1.76	9.69	0.28	CO1
		P_z	-99.54	1.02	-246.96	-1.76	9.69	0.27	CO4
			-117.45	1.54	-288.86	-2.20	11.34	0.33	CO2
		M_x	-99.54	1.02	-246.96	-1.76	9.69	0.27	CO4
			-117.45	1.54	-288.86	-2.20	11.34	0.33	CO2
		M_y	-117.45	1.54	-288.86	-2.20	11.34	0.33	CO2
			-99.54	1.02	-246.96	-1.76	9.69	0.27	CO4
		M_z	-117.45	1.54	-288.86	-2.20	11.34	0.33	CO2
			-99.54	1.02	-246.96	-1.76	9.69	0.27	CO4
Extremes			-99.54	1.55	-246.96	-1.76	11.34	0.33	
340			-117.45	1.01	-288.86	-2.20	9.69	0.27	
341	ULS DS1	P_x	179.17	1.09	-346.17	-2.07	-11.04	-0.32	CO3
			153.35	1.27	-294.30	-1.84	-9.40	-0.28	CO1
		P_y	153.35	1.27	-294.30	-1.84	-9.40	-0.28	CO1
			179.17	1.09	-346.17	-2.07	-11.04	-0.32	CO3
		P_z	153.35	1.27	-294.30	-1.84	-9.40	-0.28	CO1
			179.17	1.09	-346.17	-2.07	-11.04	-0.32	CO3
		M_x	153.36	1.25	-294.46	-1.82	-9.40	-0.28	CO4
			179.16	1.10	-346.06	-2.08	-11.04	-0.32	CO2
		M_y	153.35	1.27	-294.30	-1.84	-9.40	-0.28	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
341		M_y	179.17	1.09	-346.17	-2.07	-11.04	-0.32	CO3
		M_z	153.36	1.25	-294.46	-1.82	-9.40	-0.28	CO4
			179.16	1.10	-346.06	-2.08	-11.04	-0.32	CO2
Extremes			179.17	1.27	-294.30	-1.82	-9.40	-0.28	
341			153.35	1.09	-346.17	-2.08	-11.04	-0.32	
342	ULS DS1	P_x	-115.32	-11.20	-284.21	17.60	14.02	-2.44	CO4
			-146.50	-14.32	-355.69	22.59	17.40	-3.13	CO2
		P_y	-115.32	-11.20	-284.21	17.60	14.02	-2.44	CO4
			-146.50	-14.32	-355.69	22.59	17.40	-3.13	CO2
		P_z	-115.32	-11.20	-284.21	17.60	14.02	-2.44	CO4
			-146.50	-14.32	-355.69	22.59	17.40	-3.13	CO2
		M_x	-146.50	-14.32	-355.69	22.59	17.40	-3.13	CO2
			-115.32	-11.20	-284.21	17.60	14.02	-2.44	CO4
		M_y	-146.50	-14.32	-355.69	22.59	17.40	-3.13	CO2
			-115.32	-11.20	-284.21	17.60	14.02	-2.44	CO4
		M_z	-115.32	-11.20	-284.21	17.60	14.02	-2.44	CO4
			-146.50	-14.32	-355.69	22.59	17.40	-3.13	CO2
Extremes			-115.32	-11.20	-284.21	22.59	17.40	-2.44	
342			-146.50	-14.32	-355.69	17.60	14.02	-3.13	
343	ULS DS1	P_x	163.22	-16.41	-356.25	23.17	-16.67	3.16	CO3
			134.73	-12.76	-290.32	18.04	-13.49	2.46	CO1
		P_y	134.73	-12.76	-290.32	18.04	-13.49	2.46	CO1
			163.22	-16.41	-356.25	23.17	-16.67	3.16	CO3
		P_z	134.73	-12.76	-290.32	18.04	-13.49	2.46	CO1
			163.22	-16.41	-356.25	23.17	-16.67	3.16	CO3
		M_x	163.19	-16.40	-356.04	23.17	-16.66	3.16	CO2
			134.73	-12.76	-290.32	18.04	-13.49	2.46	CO1
		M_y	134.73	-12.76	-290.32	18.04	-13.49	2.46	CO1
			163.22	-16.41	-356.25	23.17	-16.67	3.16	CO3
		M_z	163.19	-16.40	-356.04	23.17	-16.66	3.16	CO2
			134.73	-12.76	-290.32	18.04	-13.49	2.46	CO1
Extremes			163.22	-12.76	-290.32	23.17	-13.49	3.16	
343			134.73	-16.41	-356.25	18.04	-16.67	2.46	
365	ULS DS1	P_x	-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
			-61.31	36.73	-657.66	0.00	0.00	0.81	CO3
		P_y	-61.31	36.73	-657.66	0.00	0.00	0.81	CO3
			-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
		P_z	-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
			-61.31	36.73	-657.66	0.00	0.00	0.81	CO3
		M_x	-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
			-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
		M_y	-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
			-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
		M_z	-61.31	36.73	-657.66	0.00	0.00	0.81	CO3
			-46.42	32.67	-592.58	0.00	0.00	0.76	CO1
Extremes			-46.42	36.73	-592.58	0.00	0.00	0.81	
365			-61.31	32.67	-657.66	0.00	0.00	0.76	
370	ULS DS1	P_x	149.59	75.51	-817.45	-30.10	-0.98	-0.02	CO3
			140.94	74.21	-724.96	-26.16	0.40	0.05	CO1
		P_y	147.25	75.58	-802.16	-29.80	-0.88	0.00	CO2
			144.28	74.10	-746.79	-26.59	0.26	0.02	CO4
		P_z	140.94	74.21	-724.96	-26.16	0.40	0.05	CO1
			149.59	75.51	-817.45	-30.10	-0.98	-0.02	CO3
		M_x	140.94	74.21	-724.96	-26.16	0.40	0.05	CO1
			149.59	75.51	-817.45	-30.10	-0.98	-0.02	CO3
		M_y	140.94	74.21	-724.96	-26.16	0.40	0.05	CO1
			149.59	75.51	-817.45	-30.10	-0.98	-0.02	CO3
		M_z	140.94	74.21	-724.96	-26.16	0.40	0.05	CO1
			149.59	75.51	-817.45	-30.10	-0.98	-0.02	CO3
Extremes			149.59	75.58	-724.96	-26.16	0.40	0.05	
370			140.94	74.10	-817.45	-30.10	-0.98	-0.02	
372	ULS DS1	P_x	-0.01	7.44	-677.11	-1.70	0.57	0.04	CO1
			-0.22	8.06	-794.31	-1.87	0.31	0.04	CO5
		P_y	-0.07	8.84	-795.51	-1.90	0.50	0.04	CO2
			-0.18	7.00	-711.45	-1.72	0.37	0.04	CO4
		P_z	-0.01	7.44	-677.11	-1.70	0.57	0.04	CO1
			-0.18	8.54	-819.54	-1.91	0.36	0.04	CO3
		M_x	-0.01	7.44	-677.11	-1.70	0.57	0.04	CO1
			-0.18	8.54	-819.54	-1.91	0.36	0.04	CO3
		M_y	-0.01	7.44	-677.11	-1.70	0.57	0.04	CO1
			-0.22	8.06	-794.31	-1.87	0.31	0.04	CO5
		M_z	-0.18	8.54	-819.54	-1.91	0.36	0.04	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
372		M_z	-0.01	7.44	-677.11	-1.70	0.57	0.04	CO1
Extremes			-0.01	8.84	-677.11	-1.70	0.57	0.04	
372			-0.22	7.00	-819.54	-1.91	0.31	0.04	
377	ULS DS1	P_x	1.65	-26.08	-872.79	-25.14	-0.20	-1.23	CO2
			1.54	-33.18	-792.45	-24.94	-0.23	-1.21	CO4
		P_y	1.65	-26.08	-872.79	-25.14	-0.20	-1.23	CO2
			1.54	-33.18	-792.45	-24.94	-0.23	-1.21	CO4
		P_z	1.57	-30.12	-757.50	-23.76	-0.06	-1.15	CO1
			1.63	-28.22	-897.26	-25.97	-0.31	-1.27	CO3
		M_x	1.57	-30.12	-757.50	-23.76	-0.06	-1.15	CO1
			1.63	-28.22	-897.26	-25.97	-0.31	-1.27	CO3
		M_y	1.57	-30.12	-757.50	-23.76	-0.06	-1.15	CO1
			1.59	-30.28	-873.18	-25.92	-0.32	-1.26	CO5
		M_z	1.57	-30.12	-757.50	-23.76	-0.06	-1.15	CO1
			1.63	-28.22	-897.26	-25.97	-0.31	-1.27	CO3
Extremes			1.65	-26.08	-757.50	-23.76	-0.06	-1.15	
377			1.54	-33.18	-897.26	-25.97	-0.32	-1.27	
415	ULS DS1	P_x	-118.63	76.17	-423.09	1.62	-7.65	-5.20	CO1
			-125.28	88.59	-483.66	1.45	-7.13	-5.18	CO3
		P_y	-125.28	88.59	-483.66	1.45	-7.13	-5.18	CO3
			-118.63	76.17	-423.09	1.62	-7.65	-5.20	CO1
		P_z	-118.63	76.17	-423.09	1.62	-7.65	-5.20	CO1
			-125.28	88.59	-483.66	1.45	-7.13	-5.18	CO3
		M_x	-120.48	77.45	-426.72	1.63	-7.81	-5.19	CO4
			-123.98	87.70	-481.12	1.45	-7.02	-5.19	CO2
		M_y	-123.98	87.70	-481.12	1.45	-7.02	-5.19	CO2
			-120.48	77.45	-426.72	1.63	-7.81	-5.19	CO4
		M_z	-124.32	85.23	-467.26	1.56	-7.39	-5.18	CO5
			-118.63	76.17	-423.09	1.62	-7.65	-5.20	CO1
Extremes			-118.63	88.59	-423.09	1.63	-7.02	-5.18	
415			-125.28	76.17	-483.66	1.45	-7.81	-5.20	
417	ULS DS1	P_x	-40.24	-11.09	-96.09	-4.24	-13.95	6.90	CO2
			-44.37	-10.44	-95.21	-4.20	-14.11	6.96	CO4
		P_y	-43.90	-8.36	-88.15	-4.24	-13.81	6.92	CO1
			-40.57	-12.55	-101.03	-4.21	-14.16	6.93	CO3
		P_z	-43.90	-8.36	-88.15	-4.24	-13.81	6.92	CO1
			-40.57	-12.55	-101.03	-4.21	-14.16	6.93	CO3
		M_x	-44.37	-10.44	-95.21	-4.20	-14.11	6.96	CO4
			-43.90	-8.36	-88.15	-4.24	-13.81	6.92	CO1
		M_y	-43.90	-8.36	-88.15	-4.24	-13.81	6.92	CO1
			-41.98	-12.15	-99.99	-4.20	-14.22	6.95	CO5
		M_z	-44.37	-10.44	-95.21	-4.20	-14.11	6.96	CO4
			-40.24	-11.09	-96.09	-4.24	-13.95	6.90	CO2
Extremes			-40.24	-8.36	-88.15	-4.20	-13.81	6.96	
417			-44.37	-12.55	-101.03	-4.24	-14.22	6.90	
419	ULS DS1	P_x	-86.48	10.59	-311.74	-2.27	-41.27	0.51	CO1
			-87.56	7.56	-342.15	-2.12	-42.25	0.58	CO5
		P_y	-86.48	10.59	-311.74	-2.27	-41.27	0.51	CO1
			-87.56	7.56	-342.15	-2.12	-42.25	0.58	CO5
		P_z	-86.48	10.59	-311.74	-2.27	-41.27	0.51	CO1
			-87.27	7.70	-347.96	-2.18	-41.94	0.56	CO3
		M_x	-87.49	8.73	-322.24	-2.10	-42.18	0.57	CO4
			-86.56	9.00	-340.60	-2.30	-41.30	0.52	CO2
		M_y	-86.48	10.59	-311.74	-2.27	-41.27	0.51	CO1
			-87.56	7.56	-342.15	-2.12	-42.25	0.58	CO5
		M_z	-87.56	7.56	-342.15	-2.12	-42.25	0.58	CO5
			-86.48	10.59	-311.74	-2.27	-41.27	0.51	CO1
Extremes			-86.48	10.59	-311.74	-2.10	-41.27	0.58	
419			-87.56	7.56	-347.96	-2.30	-42.25	0.51	
422	ULS DS1	P_x	-1.16	18.57	-263.03	-2.82	1.36	-1.59	CO3
			-2.49	12.56	-243.00	-2.12	0.32	-1.68	CO1
		P_y	-1.16	18.57	-263.03	-2.82	1.36	-1.59	CO3
			-2.49	12.56	-243.00	-2.12	0.32	-1.68	CO1
		P_z	-2.49	12.56	-243.00	-2.12	0.32	-1.68	CO1
			-1.16	18.57	-263.03	-2.82	1.36	-1.59	CO3
		M_x	-2.49	12.56	-243.00	-2.12	0.32	-1.68	CO1
			-1.16	18.57	-263.03	-2.82	1.36	-1.59	CO3
		M_y	-1.16	18.57	-263.03	-2.82	1.36	-1.59	CO3
			-2.49	12.56	-243.00	-2.12	0.32	-1.68	CO1
		M_z	-1.44	18.21	-259.42	-2.78	1.26	-1.55	CO2
			-2.09	13.08	-248.16	-2.17	0.47	-1.73	CO4
Extremes			-1.16	18.57	-243.00	-2.12	1.36	-1.55	

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			-2.49	12.56	-263.03	-2.82	0.32	-1.73	
424	ULS DS1	P_x	-83.55	12.62	-419.32	-1.81	-35.44	-1.20	CO2
			-85.15	9.39	-387.09	-1.38	-37.25	-1.06	CO4
		P_y	-83.55	12.62	-419.32	-1.81	-35.44	-1.20	CO2
			-85.15	9.39	-387.09	-1.38	-37.25	-1.06	CO4
		P_z	-84.10	10.08	-373.96	-1.46	-36.34	-0.99	CO1
			-84.28	12.14	-428.52	-1.76	-36.08	-1.25	CO3
		M_x	-85.15	9.39	-387.09	-1.38	-37.25	-1.06	CO4
			-83.55	12.62	-419.32	-1.81	-35.44	-1.20	CO2
		M_y	-83.55	12.62	-419.32	-1.81	-35.44	-1.20	CO2
			-85.15	9.39	-387.09	-1.38	-37.25	-1.06	CO4
		M_z	-84.10	10.08	-373.96	-1.46	-36.34	-0.99	CO1
			-84.28	12.14	-428.52	-1.76	-36.08	-1.25	CO3
Extremes			-83.55	12.62	-373.96	-1.38	-35.44	-0.99	
424			-85.15	9.39	-428.52	-1.81	-37.25	-1.25	
443	ULS DS1	P_x	39.94	-28.10	-344.07	-9.94	-3.61	5.03	CO5
			25.22	-26.69	-310.66	-8.74	-4.97	5.13	CO1
		P_y	30.29	-26.28	-320.55	-10.11	-4.54	5.13	CO2
			39.94	-28.10	-344.07	-9.94	-3.61	5.03	CO5
		P_z	25.22	-26.69	-310.66	-8.74	-4.97	5.13	CO1
			39.94	-28.10	-344.07	-9.94	-3.61	5.03	CO5
		M_x	25.22	-26.69	-310.66	-8.74	-4.97	5.13	CO1
			38.04	-27.15	-338.56	-10.34	-3.80	5.06	CO3
		M_y	39.94	-28.10	-344.07	-9.94	-3.61	5.03	CO5
			25.22	-26.69	-310.66	-8.74	-4.97	5.13	CO1
		M_z	25.22	-26.69	-310.66	-8.74	-4.97	5.13	CO1
			39.94	-28.10	-344.07	-9.94	-3.61	5.03	CO5
Extremes			39.94	-26.28	-310.66	-8.74	-3.61	5.13	
443			25.22	-28.10	-344.07	-10.34	-4.97	5.03	
445	ULS DS1	P_x	-5.27	-43.05	-278.86	-9.24	8.68	3.81	CO1
			-21.26	-56.83	-322.04	-8.58	7.29	3.87	CO3
		P_y	-5.27	-43.05	-278.86	-9.24	8.68	3.81	CO1
			-21.26	-56.83	-322.04	-8.58	7.29	3.87	CO3
		P_z	-5.27	-43.05	-278.86	-9.24	8.68	3.81	CO1
			-21.26	-56.83	-322.04	-8.58	7.29	3.87	CO3
		M_x	-21.26	-56.83	-322.04	-8.58	7.29	3.87	CO3
			-5.27	-43.05	-278.86	-9.24	8.68	3.81	CO1
		M_y	-5.27	-43.05	-278.86	-9.24	8.68	3.81	CO1
			-21.26	-56.83	-322.04	-8.58	7.29	3.87	CO3
		M_z	-21.26	-56.83	-322.04	-8.58	7.29	3.87	CO3
			-5.27	-43.05	-278.86	-9.24	8.68	3.81	CO1
Extremes			-5.27	-43.05	-278.86	-8.58	8.68	3.87	
445			-21.26	-56.83	-322.04	-9.24	7.29	3.81	
465	ULS DS1	P_x	-2.01	-6.24	-675.51	8.13	-2.27	0.10	CO1
			-2.77	-8.33	-791.05	10.99	-3.30	0.11	CO3
		P_y	-2.01	-6.24	-675.51	8.13	-2.27	0.10	CO1
			-2.77	-8.33	-791.05	10.99	-3.30	0.11	CO3
		P_z	-2.01	-6.24	-675.51	8.13	-2.27	0.10	CO1
			-2.77	-8.33	-791.05	10.99	-3.30	0.11	CO3
		M_x	-2.77	-8.33	-778.45	11.00	-3.31	0.10	CO2
			-2.01	-6.25	-693.51	8.11	-2.25	0.11	CO4
		M_y	-2.01	-6.25	-693.51	8.11	-2.25	0.11	CO4
			-2.77	-8.33	-778.45	11.00	-3.31	0.10	CO2
		M_z	-2.01	-6.25	-693.51	8.11	-2.25	0.11	CO4
			-2.77	-8.33	-778.45	11.00	-3.31	0.10	CO2
Extremes			-2.01	-6.24	-675.51	11.00	-2.25	0.11	
465			-2.77	-8.33	-791.05	8.11	-3.31	0.10	
468	ULS DS1	P_x	0.81	-10.05	-855.88	13.01	1.70	0.09	CO3
			0.72	-7.47	-730.30	9.50	1.52	0.08	CO1
		P_y	0.73	-7.44	-738.55	9.40	1.56	0.09	CO4
			0.81	-10.07	-850.11	13.08	1.68	0.08	CO2
		P_z	0.72	-7.47	-730.30	9.50	1.52	0.08	CO1
			0.81	-10.05	-855.88	13.01	1.70	0.09	CO3
		M_x	0.81	-10.07	-850.11	13.08	1.68	0.08	CO2
			0.73	-7.44	-738.55	9.40	1.56	0.09	CO4
		M_y	0.81	-10.05	-855.88	13.01	1.70	0.09	CO3
			0.72	-7.47	-730.30	9.50	1.52	0.08	CO1
		M_z	0.79	-9.26	-822.42	11.90	1.66	0.09	CO5
			0.72	-7.47	-730.30	9.50	1.52	0.08	CO1
Extremes			0.81	-7.44	-730.30	13.08	1.70	0.09	
468			0.72	-10.07	-855.88	9.40	1.52	0.08	

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	ULS DS1	P_x	-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
			-47.21	-70.56	-274.77	0.00	0.00	0.48	CO3
		P_y	-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
			-47.21	-70.56	-274.77	0.00	0.00	0.48	CO3
		P_z	-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
			-47.21	-70.56	-274.77	0.00	0.00	0.48	CO3
		M_x	-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
			-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
		M_y	-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
			-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
		M_z	-47.21	-70.56	-274.77	0.00	0.00	0.48	CO3
			-40.96	-65.15	-258.84	0.00	0.00	0.48	CO1
Extremes			-40.96	-65.15	-258.84	0.00	0.00	0.48	
542			-47.21	-70.56	-274.77	0.00	0.00	0.48	
547	ULS DS1	P_x	29.05	30.99	-131.95	0.00	0.00	0.19	CO4
			27.33	28.92	-126.75	0.00	0.00	0.20	CO2
		P_y	29.05	30.99	-131.95	0.00	0.00	0.19	CO4
			27.33	28.92	-126.75	0.00	0.00	0.20	CO2
		P_z	27.33	28.92	-126.75	0.00	0.00	0.20	CO2
			29.05	30.99	-131.95	0.00	0.00	0.19	CO4
		M_x	27.33	29.31	-127.18	0.00	0.00	0.19	CO1
			27.33	29.31	-127.18	0.00	0.00	0.19	CO1
		M_y	27.33	29.31	-127.18	0.00	0.00	0.19	CO1
			27.33	29.31	-127.18	0.00	0.00	0.19	CO1
		M_z	27.33	28.92	-126.75	0.00	0.00	0.20	CO2
			29.05	30.99	-131.95	0.00	0.00	0.19	CO4
Extremes			29.05	30.99	-126.75	0.00	0.00	0.20	
547			27.33	28.92	-131.95	0.00	0.00	0.19	
548	ULS DS1	P_x	-50.39	-89.00	-219.61	0.00	0.00	1.48	CO2
			-51.54	-90.38	-224.48	0.00	0.00	1.51	CO4
		P_y	-51.53	-88.78	-220.82	0.00	0.00	1.51	CO1
			-50.77	-90.54	-223.69	0.00	0.00	1.50	CO5
		P_z	-50.39	-89.00	-219.61	0.00	0.00	1.48	CO2
			-51.54	-90.38	-224.48	0.00	0.00	1.51	CO4
		M_x	-51.53	-88.78	-220.82	0.00	0.00	1.51	CO1
			-51.53	-88.78	-220.82	0.00	0.00	1.51	CO1
		M_y	-51.53	-88.78	-220.82	0.00	0.00	1.51	CO1
			-51.53	-88.78	-220.82	0.00	0.00	1.51	CO1
		M_z	-51.54	-90.38	-224.48	0.00	0.00	1.51	CO4
			-50.39	-89.00	-219.61	0.00	0.00	1.48	CO2
Extremes			-50.39	-88.78	-219.61	0.00	0.00	1.51	
548			-51.54	-90.54	-224.48	0.00	0.00	1.48	
589	ULS DS1	P_x	1.20	-3.66	-272.51	12.01	3.67	-0.18	CO4
			1.02	-3.28	-240.20	10.80	3.08	-0.19	CO2
		P_y	1.02	-3.28	-240.20	10.80	3.08	-0.19	CO2
			1.20	-3.66	-272.51	12.01	3.67	-0.18	CO4
		P_z	1.02	-3.28	-240.20	10.80	3.08	-0.19	CO2
			1.20	-3.66	-272.51	12.01	3.67	-0.18	CO4
		M_x	1.20	-3.66	-272.51	12.01	3.67	-0.18	CO4
			1.02	-3.28	-240.20	10.80	3.08	-0.19	CO2
		M_y	1.20	-3.66	-272.51	12.01	3.67	-0.18	CO4
			1.02	-3.28	-240.20	10.80	3.08	-0.19	CO2
		M_z	1.04	-3.29	-240.27	10.85	3.14	-0.18	CO1
			1.14	-3.53	-262.76	11.61	3.45	-0.19	CO3
Extremes			1.20	-3.28	-240.20	12.01	3.67	-0.18	
589			1.02	-3.66	-272.51	10.80	3.08	-0.19	
593	ULS DS1	P_x	29.49	70.60	-387.80	-42.19	3.12	-5.16	CO5
			17.77	68.59	-317.40	-40.73	1.83	-5.28	CO1
		P_y	29.49	70.60	-387.80	-42.19	3.12	-5.16	CO5
			17.77	68.59	-317.40	-40.73	1.83	-5.28	CO1
		P_z	17.77	68.59	-317.40	-40.73	1.83	-5.28	CO1
			29.49	70.60	-387.80	-42.19	3.12	-5.16	CO5
		M_x	17.77	68.59	-317.40	-40.73	1.83	-5.28	CO1
			29.49	70.60	-387.80	-42.19	3.12	-5.16	CO5
		M_y	29.49	70.60	-387.80	-42.19	3.12	-5.16	CO5
			17.77	68.59	-317.40	-40.73	1.83	-5.28	CO1
		M_z	29.49	70.60	-387.80	-42.19	3.12	-5.16	CO5
			17.77	68.59	-317.40	-40.73	1.83	-5.28	CO1
Extremes			29.49	70.60	-317.40	-40.73	3.12	-5.16	
593			17.77	68.59	-387.80	-42.19	1.83	-5.28	
607	ULS DS1	P_x	-1.19	-2.66	-225.81	8.41	-4.05	-0.23	CO2
			-1.38	-2.98	-253.42	9.44	-4.62	-0.22	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
607		P_y	-1.19	-2.66	-225.81	8.41	-4.05	-0.23	CO2
			-1.38	-2.98	-253.42	9.44	-4.62	-0.22	CO4
		P_z	-1.20	-2.67	-225.37	8.49	-4.04	-0.21	CO1
			-1.37	-2.97	-253.72	9.39	-4.63	-0.23	CO5
		M_x	-1.38	-2.98	-253.42	9.44	-4.62	-0.22	CO4
			-1.19	-2.66	-225.81	8.41	-4.05	-0.23	CO2
		M_y	-1.20	-2.67	-225.37	8.49	-4.04	-0.21	CO1
			-1.37	-2.97	-253.72	9.39	-4.63	-0.23	CO5
		M_z	-1.20	-2.67	-225.37	8.49	-4.04	-0.21	CO1
			-1.32	-2.87	-245.44	9.08	-4.45	-0.23	CO3
Extremes			-1.19	-2.66	-225.37	9.44	-4.04	-0.21	
607			-1.38	-2.98	-253.72	8.41	-4.63	-0.23	
687	ULS DS1	P_x	-30.60	-39.51	-218.51	0.00	0.00	-1.41	CO3
			-30.66	-38.93	-214.45	0.00	0.00	-1.44	CO1
		P_y	-30.66	-38.77	-221.00	0.00	0.00	-1.43	CO4
			-30.60	-39.62	-213.92	0.00	0.00	-1.42	CO2
		P_z	-30.60	-39.62	-213.92	0.00	0.00	-1.42	CO2
			-30.66	-38.77	-221.00	0.00	0.00	-1.43	CO4
		M_x	-30.66	-38.93	-214.45	0.00	0.00	-1.44	CO1
			-30.66	-38.93	-214.45	0.00	0.00	-1.44	CO1
		M_y	-30.66	-38.93	-214.45	0.00	0.00	-1.44	CO1
			-30.66	-38.93	-214.45	0.00	0.00	-1.44	CO1
		M_z	-30.60	-39.51	-218.51	0.00	0.00	-1.41	CO3
			-30.66	-38.93	-214.45	0.00	0.00	-1.44	CO1
Extremes			-30.60	-38.77	-213.92	0.00	0.00	-1.41	
687			-30.66	-39.62	-221.00	0.00	0.00	-1.44	
688	ULS DS1	P_x	-6.62	-35.90	-219.76	0.00	0.00	6.51	CO5
			-7.87	-35.86	-211.77	0.00	0.00	6.52	CO1
		P_y	-7.87	-35.86	-211.77	0.00	0.00	6.52	CO1
			-6.90	-35.90	-217.32	0.00	0.00	6.51	CO3
		P_z	-7.70	-35.89	-211.68	0.00	0.00	6.51	CO2
			-6.73	-35.88	-219.83	0.00	0.00	6.51	CO4
		M_x	-7.87	-35.86	-211.77	0.00	0.00	6.52	CO1
			-7.87	-35.86	-211.77	0.00	0.00	6.52	CO1
		M_y	-7.87	-35.86	-211.77	0.00	0.00	6.52	CO1
			-7.87	-35.86	-211.77	0.00	0.00	6.52	CO1
		M_z	-7.87	-35.86	-211.77	0.00	0.00	6.52	CO1
			-6.62	-35.90	-219.76	0.00	0.00	6.51	CO5
Extremes			-6.62	-35.86	-211.68	0.00	0.00	6.52	
688			-7.87	-35.90	-219.83	0.00	0.00	6.51	
689	ULS DS1	P_x	-10.14	-55.52	-259.56	0.00	0.00	1.80	CO5
			-10.39	-55.52	-248.60	0.00	0.00	1.81	CO1
		P_y	-10.21	-55.52	-259.57	0.00	0.00	1.80	CO4
			-10.27	-55.53	-248.59	0.00	0.00	1.80	CO2
		P_z	-10.27	-55.53	-248.59	0.00	0.00	1.80	CO2
			-10.21	-55.52	-259.57	0.00	0.00	1.80	CO4
		M_x	-10.39	-55.52	-248.60	0.00	0.00	1.81	CO1
			-10.39	-55.52	-248.60	0.00	0.00	1.81	CO1
		M_y	-10.39	-55.52	-248.60	0.00	0.00	1.81	CO1
			-10.39	-55.52	-248.60	0.00	0.00	1.81	CO1
		M_z	-10.39	-55.52	-248.60	0.00	0.00	1.81	CO1
			-10.15	-55.53	-256.27	0.00	0.00	1.80	CO3
Extremes			-10.14	-55.52	-248.59	0.00	0.00	1.81	
689			-10.39	-55.53	-259.57	0.00	0.00	1.80	
690	ULS DS1	P_x	-9.03	-56.33	-254.20	0.00	0.00	-0.06	CO2
			-9.66	-56.32	-265.21	0.00	0.00	-0.06	CO4
		P_y	-9.66	-56.32	-265.21	0.00	0.00	-0.06	CO4
			-9.03	-56.33	-254.20	0.00	0.00	-0.06	CO2
		P_z	-9.28	-56.33	-253.96	0.00	0.00	-0.06	CO1
			-9.50	-56.33	-265.38	0.00	0.00	-0.06	CO5
		M_x	-9.28	-56.33	-253.96	0.00	0.00	-0.06	CO1
			-9.28	-56.33	-253.96	0.00	0.00	-0.06	CO1
		M_y	-9.28	-56.33	-253.96	0.00	0.00	-0.06	CO1
			-9.28	-56.33	-253.96	0.00	0.00	-0.06	CO1
		M_z	-9.66	-56.32	-265.21	0.00	0.00	-0.06	CO4
			-9.03	-56.33	-254.20	0.00	0.00	-0.06	CO2
Extremes			-9.03	-56.32	-253.96	0.00	0.00	-0.06	
690			-9.66	-56.33	-265.38	0.00	0.00	-0.06	
691	ULS DS1	P_x	-28.38	-42.78	-239.79	0.00	0.00	-3.98	CO2
			-30.31	-42.84	-249.29	0.00	0.00	-3.96	CO4
		P_y	-28.89	-42.78	-238.95	0.00	0.00	-3.99	CO1
			-29.96	-42.84	-249.90	0.00	0.00	-3.95	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
691		P_z	-28.89	-42.78	-238.95	0.00	0.00	-3.99	CO1
			-29.96	-42.84	-249.90	0.00	0.00	-3.95	CO5
		M_x	-28.89	-42.78	-238.95	0.00	0.00	-3.99	CO1
			-28.89	-42.78	-238.95	0.00	0.00	-3.99	CO1
		M_y	-28.89	-42.78	-238.95	0.00	0.00	-3.99	CO1
			-28.89	-42.78	-238.95	0.00	0.00	-3.99	CO1
		M_z	-29.96	-42.84	-249.90	0.00	0.00	-3.95	CO5
			-28.89	-42.78	-238.95	0.00	0.00	-3.99	CO1
Extremes			-28.38	-42.78	-238.95	0.00	0.00	-3.95	
691			-30.31	-42.84	-249.90	0.00	0.00	-3.99	
692	ULS DS1	P_x	2.23	-23.29	-299.23	0.00	0.00	-0.66	CO2
			1.36	-23.31	-301.24	0.00	0.00	-0.74	CO4
		P_y	1.67	-23.23	-288.95	0.00	0.00	-0.77	CO1
			1.76	-23.35	-308.45	0.00	0.00	-0.66	CO5
		P_z	1.67	-23.23	-288.95	0.00	0.00	-0.77	CO1
			1.76	-23.35	-308.45	0.00	0.00	-0.66	CO5
		M_x	1.67	-23.23	-288.95	0.00	0.00	-0.77	CO1
			1.67	-23.23	-288.95	0.00	0.00	-0.77	CO1
		M_y	1.67	-23.23	-288.95	0.00	0.00	-0.77	CO1
			1.67	-23.23	-288.95	0.00	0.00	-0.77	CO1
		M_z	2.02	-23.34	-307.84	0.00	0.00	-0.64	CO3
			1.67	-23.23	-288.95	0.00	0.00	-0.77	CO1
Extremes			2.23	-23.23	-288.95	0.00	0.00	-0.64	
692			1.36	-23.35	-308.45	0.00	0.00	-0.77	
693	ULS DS1	P_x	34.74	-36.16	-324.03	0.00	0.00	1.55	CO2
			30.97	-35.77	-309.05	0.00	0.00	1.52	CO4
		P_y	33.08	-35.75	-322.12	0.00	0.00	1.53	CO5
			31.71	-36.18	-305.31	0.00	0.00	1.54	CO1
		P_z	31.71	-36.18	-305.31	0.00	0.00	1.54	CO1
			34.22	-35.87	-326.65	0.00	0.00	1.54	CO3
		M_x	31.71	-36.18	-305.31	0.00	0.00	1.54	CO1
			31.71	-36.18	-305.31	0.00	0.00	1.54	CO1
		M_y	31.71	-36.18	-305.31	0.00	0.00	1.54	CO1
			31.71	-36.18	-305.31	0.00	0.00	1.54	CO1
		M_z	34.74	-36.16	-324.03	0.00	0.00	1.55	CO2
			30.97	-35.77	-309.05	0.00	0.00	1.52	CO4
Extremes			34.74	-35.75	-305.31	0.00	0.00	1.55	
693			30.97	-36.18	-326.65	0.00	0.00	1.52	
694	ULS DS1	P_x	14.08	-46.94	-317.46	0.00	0.00	0.03	CO2
			10.26	-46.75	-297.39	0.00	0.00	0.09	CO4
		P_y	11.59	-46.66	-296.16	0.00	0.00	0.12	CO1
			13.16	-47.00	-318.32	0.00	0.00	0.01	CO3
		P_z	11.59	-46.66	-296.16	0.00	0.00	0.12	CO1
			13.16	-47.00	-318.32	0.00	0.00	0.01	CO3
		M_x	11.59	-46.66	-296.16	0.00	0.00	0.12	CO1
			11.59	-46.66	-296.16	0.00	0.00	0.12	CO1
		M_y	11.59	-46.66	-296.16	0.00	0.00	0.12	CO1
			11.59	-46.66	-296.16	0.00	0.00	0.12	CO1
		M_z	11.59	-46.66	-296.16	0.00	0.00	0.12	CO1
			13.16	-47.00	-318.32	0.00	0.00	0.01	CO3
Extremes			14.08	-46.66	-296.16	0.00	0.00	0.12	
694			10.26	-47.00	-318.32	0.00	0.00	0.01	
695	ULS DS1	P_x	15.41	-46.61	-331.79	0.00	0.00	0.10	CO2
			12.66	-46.58	-306.51	0.00	0.00	0.10	CO4
		P_y	13.52	-46.56	-306.43	0.00	0.00	0.10	CO1
			14.81	-46.63	-331.85	0.00	0.00	0.11	CO3
		P_z	13.52	-46.56	-306.43	0.00	0.00	0.10	CO1
			14.81	-46.63	-331.85	0.00	0.00	0.11	CO3
		M_x	13.52	-46.56	-306.43	0.00	0.00	0.10	CO1
			13.52	-46.56	-306.43	0.00	0.00	0.10	CO1
		M_y	13.52	-46.56	-306.43	0.00	0.00	0.10	CO1
			13.52	-46.56	-306.43	0.00	0.00	0.10	CO1
		M_z	14.81	-46.63	-331.85	0.00	0.00	0.11	CO3
			13.52	-46.56	-306.43	0.00	0.00	0.10	CO1
Extremes			15.41	-46.56	-306.43	0.00	0.00	0.11	
695			12.66	-46.63	-331.85	0.00	0.00	0.10	
696	ULS DS1	P_x	16.26	-47.00	-336.66	0.00	0.00	-0.02	CO2
			14.50	-46.96	-310.34	0.00	0.00	-0.02	CO4
		P_y	14.92	-46.90	-310.26	0.00	0.00	-0.03	CO1
			15.96	-47.04	-336.71	0.00	0.00	-0.02	CO3
		P_z	14.92	-46.90	-310.26	0.00	0.00	-0.03	CO1
			15.96	-47.04	-336.71	0.00	0.00	-0.02	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
696		M_x	14.92	-46.90	-310.26	0.00	0.00	-0.03	CO1
			14.92	-46.90	-310.26	0.00	0.00	-0.03	CO1
		M_y	14.92	-46.90	-310.26	0.00	0.00	-0.03	CO1
			14.92	-46.90	-310.26	0.00	0.00	-0.03	CO1
		M_z	15.39	-47.03	-328.81	0.00	0.00	-0.02	CO5
			14.92	-46.90	-310.26	0.00	0.00	-0.03	CO1
Extremes			16.26	-46.90	-310.26	0.00	0.00	-0.02	
696			14.50	-47.04	-336.71	0.00	0.00	-0.03	
697	ULS DS1	P_x	3.25	-47.23	-324.08	0.00	0.00	0.14	CO4
			1.86	-47.27	-347.70	0.00	0.00	0.13	CO2
		P_y	2.74	-47.12	-322.27	0.00	0.00	0.13	CO1
			2.22	-47.34	-348.97	0.00	0.00	0.14	CO3
		P_z	2.74	-47.12	-322.27	0.00	0.00	0.13	CO1
			2.22	-47.34	-348.97	0.00	0.00	0.14	CO3
		M_x	2.74	-47.12	-322.27	0.00	0.00	0.13	CO1
			2.74	-47.12	-322.27	0.00	0.00	0.13	CO1
		M_y	2.74	-47.12	-322.27	0.00	0.00	0.13	CO1
			2.74	-47.12	-322.27	0.00	0.00	0.13	CO1
		M_z	2.60	-47.33	-341.88	0.00	0.00	0.14	CO5
			2.74	-47.12	-322.27	0.00	0.00	0.13	CO1
Extremes			3.25	-47.12	-322.27	0.00	0.00	0.14	
697			1.86	-47.34	-348.97	0.00	0.00	0.13	
698	ULS DS1	P_x	1.30	-44.55	-336.27	0.00	0.00	-0.11	CO4
			-2.09	-44.55	-349.32	0.00	0.00	-0.11	CO2
		P_y	0.23	-44.40	-329.87	0.00	0.00	-0.10	CO1
			-1.33	-44.65	-353.80	0.00	0.00	-0.12	CO3
		P_z	0.23	-44.40	-329.87	0.00	0.00	-0.10	CO1
			-1.33	-44.65	-353.80	0.00	0.00	-0.12	CO3
		M_x	0.23	-44.40	-329.87	0.00	0.00	-0.10	CO1
			0.23	-44.40	-329.87	0.00	0.00	-0.10	CO1
		M_y	0.23	-44.40	-329.87	0.00	0.00	-0.10	CO1
			0.23	-44.40	-329.87	0.00	0.00	-0.10	CO1
		M_z	0.23	-44.40	-329.87	0.00	0.00	-0.10	CO1
			-1.33	-44.65	-353.80	0.00	0.00	-0.12	CO3
Extremes			1.30	-44.40	-329.87	0.00	0.00	-0.10	
698			-2.09	-44.65	-353.80	0.00	0.00	-0.12	
699	ULS DS1	P_x	-5.22	-49.20	-307.45	0.00	0.00	2.80	CO4
			-8.39	-49.18	-305.95	0.00	0.00	2.80	CO2
		P_y	-5.79	-49.15	-297.21	0.00	0.00	2.82	CO1
			-7.07	-49.23	-313.59	0.00	0.00	2.78	CO5
		P_z	-5.79	-49.15	-297.21	0.00	0.00	2.82	CO1
			-7.07	-49.23	-313.59	0.00	0.00	2.78	CO5
		M_x	-5.79	-49.15	-297.21	0.00	0.00	2.82	CO1
			-5.79	-49.15	-297.21	0.00	0.00	2.82	CO1
		M_y	-5.79	-49.15	-297.21	0.00	0.00	2.82	CO1
			-5.79	-49.15	-297.21	0.00	0.00	2.82	CO1
		M_z	-5.79	-49.15	-297.21	0.00	0.00	2.82	CO1
			-7.07	-49.23	-313.59	0.00	0.00	2.78	CO5
Extremes			-5.22	-49.15	-297.21	0.00	0.00	2.82	
699			-8.39	-49.23	-313.59	0.00	0.00	2.78	
700	ULS DS1	P_x	10.58	-40.42	-236.40	0.00	0.00	3.28	CO2
			10.19	-40.46	-248.38	0.00	0.00	3.25	CO4
		P_y	10.29	-40.35	-236.42	0.00	0.00	3.29	CO1
			10.38	-40.52	-248.37	0.00	0.00	3.24	CO5
		P_z	10.58	-40.42	-236.40	0.00	0.00	3.28	CO2
			10.19	-40.46	-248.38	0.00	0.00	3.25	CO4
		M_x	10.29	-40.35	-236.42	0.00	0.00	3.29	CO1
			10.29	-40.35	-236.42	0.00	0.00	3.29	CO1
		M_y	10.29	-40.35	-236.42	0.00	0.00	3.29	CO1
			10.29	-40.35	-236.42	0.00	0.00	3.29	CO1
		M_z	10.29	-40.35	-236.42	0.00	0.00	3.29	CO1
			10.38	-40.52	-248.37	0.00	0.00	3.24	CO5
Extremes			10.58	-40.35	-236.40	0.00	0.00	3.29	
700			10.19	-40.52	-248.38	0.00	0.00	3.24	
703	ULS DS1	P_x	46.66	-19.59	-431.40	0.00	0.00	1.25	CO4
			45.89	-19.54	-452.39	0.00	0.00	1.19	CO2
		P_y	46.64	-18.93	-417.35	0.00	0.00	1.26	CO1
			46.14	-20.02	-455.94	0.00	0.00	1.20	CO5
		P_z	46.64	-18.93	-417.35	0.00	0.00	1.26	CO1
			45.91	-20.01	-462.23	0.00	0.00	1.18	CO3
		M_x	46.64	-18.93	-417.35	0.00	0.00	1.26	CO1
			46.64	-18.93	-417.35	0.00	0.00	1.26	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
703		M_y	46.64	-18.93	-417.35	0.00	0.00	1.26	CO1
			46.64	-18.93	-417.35	0.00	0.00	1.26	CO1
		M_z	46.64	-18.93	-417.35	0.00	0.00	1.26	CO1
			45.91	-20.01	-462.23	0.00	0.00	1.18	CO3
Extremes			46.66	-18.93	-417.35	0.00	0.00	1.26	
703			45.89	-20.02	-462.23	0.00	0.00	1.18	
704	ULS DS1	P_x	41.72	21.53	-433.15	0.00	0.00	-2.57	CO1
			41.46	24.36	-478.30	0.00	0.00	-2.43	CO3
		P_y	41.46	24.36	-478.30	0.00	0.00	-2.43	CO3
			41.72	21.53	-433.15	0.00	0.00	-2.57	CO1
		P_z	41.72	21.53	-433.15	0.00	0.00	-2.57	CO1
			41.46	24.36	-478.30	0.00	0.00	-2.43	CO3
		M_x	41.72	21.53	-433.15	0.00	0.00	-2.57	CO1
			41.72	21.53	-433.15	0.00	0.00	-2.57	CO1
		M_y	41.72	21.53	-433.15	0.00	0.00	-2.57	CO1
			41.72	21.53	-433.15	0.00	0.00	-2.57	CO1
		M_z	41.48	23.32	-467.96	0.00	0.00	-2.43	CO2
			41.69	23.01	-447.92	0.00	0.00	-2.58	CO4
Extremes			41.72	24.36	-433.15	0.00	0.00	-2.43	
704			41.46	21.53	-478.30	0.00	0.00	-2.58	
705	ULS DS1	P_x	43.65	0.55	-513.08	0.00	0.00	1.31	CO3
			43.55	0.75	-463.86	0.00	0.00	1.32	CO1
		P_y	43.64	1.83	-501.61	0.00	0.00	1.31	CO2
			43.57	-1.07	-480.24	0.00	0.00	1.32	CO4
		P_z	43.55	0.75	-463.86	0.00	0.00	1.32	CO1
			43.65	0.55	-513.08	0.00	0.00	1.31	CO3
		M_x	43.55	0.75	-463.86	0.00	0.00	1.32	CO1
			43.55	0.75	-463.86	0.00	0.00	1.32	CO1
		M_y	43.55	0.75	-463.86	0.00	0.00	1.32	CO1
			43.55	0.75	-463.86	0.00	0.00	1.32	CO1
		M_z	43.57	-1.07	-480.24	0.00	0.00	1.32	CO4
			43.64	1.83	-501.61	0.00	0.00	1.31	CO2
Extremes			43.65	1.83	-463.86	0.00	0.00	1.32	
705			43.55	-1.07	-513.08	0.00	0.00	1.31	
706	ULS DS1	P_x	47.04	9.77	-440.71	0.00	0.00	-0.07	CO4
			47.02	9.10	-461.41	0.00	0.00	-0.07	CO2
		P_y	47.03	10.99	-428.00	0.00	0.00	-0.07	CO1
			47.03	8.25	-470.31	0.00	0.00	-0.07	CO3
		P_z	47.03	10.99	-428.00	0.00	0.00	-0.07	CO1
			47.03	8.25	-470.31	0.00	0.00	-0.07	CO3
		M_x	47.03	10.99	-428.00	0.00	0.00	-0.07	CO1
			47.03	10.99	-428.00	0.00	0.00	-0.07	CO1
		M_y	47.03	10.99	-428.00	0.00	0.00	-0.07	CO1
			47.03	10.99	-428.00	0.00	0.00	-0.07	CO1
		M_z	47.02	9.10	-461.41	0.00	0.00	-0.07	CO2
			47.04	9.77	-440.71	0.00	0.00	-0.07	CO4
Extremes			47.04	10.99	-428.00	0.00	0.00	-0.07	
706			47.02	8.25	-470.31	0.00	0.00	-0.07	
709	ULS DS1	P_x	36.64	33.45	-376.77	0.00	0.00	-3.05	CO4
			36.57	31.57	-388.77	0.00	0.00	-3.05	CO2
		P_y	36.64	34.24	-368.55	0.00	0.00	-3.05	CO1
			36.57	31.02	-394.52	0.00	0.00	-3.05	CO3
		P_z	36.64	34.24	-368.55	0.00	0.00	-3.05	CO1
			36.57	31.02	-394.52	0.00	0.00	-3.05	CO3
		M_x	36.64	34.24	-368.55	0.00	0.00	-3.05	CO1
			36.64	34.24	-368.55	0.00	0.00	-3.05	CO1
		M_y	36.64	34.24	-368.55	0.00	0.00	-3.05	CO1
			36.64	34.24	-368.55	0.00	0.00	-3.05	CO1
		M_z	36.64	34.24	-368.55	0.00	0.00	-3.05	CO1
			36.57	31.02	-394.52	0.00	0.00	-3.05	CO3
Extremes			36.64	34.24	-368.55	0.00	0.00	-3.05	
709			36.57	31.02	-394.52	0.00	0.00	-3.05	
710	ULS DS1	P_x	38.08	38.97	-352.42	0.00	0.00	2.08	CO1
			30.58	38.94	-381.12	0.00	0.00	2.09	CO3
		P_y	38.08	38.97	-352.42	0.00	0.00	2.08	CO1
			30.58	38.94	-381.12	0.00	0.00	2.09	CO3
		P_z	38.08	38.97	-352.42	0.00	0.00	2.08	CO1
			30.58	38.94	-381.12	0.00	0.00	2.09	CO3
		M_x	38.08	38.97	-352.42	0.00	0.00	2.08	CO1
			38.08	38.97	-352.42	0.00	0.00	2.08	CO1
		M_y	38.08	38.97	-352.42	0.00	0.00	2.08	CO1
			38.08	38.97	-352.42	0.00	0.00	2.08	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
710		M_z	30.58	38.94	-381.12	0.00	0.00	2.09	CO3
			38.08	38.97	-352.42	0.00	0.00	2.08	CO1
Extremes			38.08	38.97	-352.42	0.00	0.00	2.09	
710			30.58	38.94	-381.12	0.00	0.00	2.08	
711	ULS DS1	P_x	71.98	39.51	-403.73	0.00	0.00	-2.06	CO4
			67.96	39.46	-426.30	0.00	0.00	-2.07	CO2
		P_y	71.98	39.51	-403.73	0.00	0.00	-2.06	CO4
			67.96	39.46	-426.30	0.00	0.00	-2.07	CO2
		P_z	71.13	39.50	-392.01	0.00	0.00	-2.06	CO1
			68.55	39.47	-434.50	0.00	0.00	-2.07	CO3
		M_x	71.13	39.50	-392.01	0.00	0.00	-2.06	CO1
			71.13	39.50	-392.01	0.00	0.00	-2.06	CO1
		M_y	71.13	39.50	-392.01	0.00	0.00	-2.06	CO1
			71.13	39.50	-392.01	0.00	0.00	-2.06	CO1
		M_z	71.13	39.50	-392.01	0.00	0.00	-2.06	CO1
			68.55	39.47	-434.50	0.00	0.00	-2.07	CO3
Extremes			71.98	39.51	-392.01	0.00	0.00	-2.06	
711			67.96	39.46	-434.50	0.00	0.00	-2.07	
717	ULS DS1	P_x	23.03	45.37	-209.27	0.00	0.00	0.29	CO4
			16.42	44.90	-206.45	0.00	0.00	0.32	CO2
		P_y	21.67	45.41	-222.76	0.00	0.00	0.29	CO5
			18.56	44.85	-187.62	0.00	0.00	0.33	CO1
		P_z	18.56	44.85	-187.62	0.00	0.00	0.33	CO1
			21.67	45.41	-222.76	0.00	0.00	0.29	CO5
		M_x	18.56	44.85	-187.62	0.00	0.00	0.33	CO1
			18.56	44.85	-187.62	0.00	0.00	0.33	CO1
		M_y	18.56	44.85	-187.62	0.00	0.00	0.33	CO1
			18.56	44.85	-187.62	0.00	0.00	0.33	CO1
		M_z	18.56	44.85	-187.62	0.00	0.00	0.33	CO1
			21.67	45.41	-222.76	0.00	0.00	0.29	CO5
Extremes			23.03	45.41	-187.62	0.00	0.00	0.33	
717			16.42	44.85	-222.76	0.00	0.00	0.29	
718	ULS DS1	P_x	28.00	44.09	-206.19	0.00	0.00	0.00	CO4
			24.84	43.45	-198.33	0.00	0.00	0.02	CO2
		P_y	27.24	44.12	-215.19	0.00	0.00	0.00	CO5
			26.13	43.40	-185.28	0.00	0.00	0.02	CO1
		P_z	26.13	43.40	-185.28	0.00	0.00	0.02	CO1
			27.24	44.12	-215.19	0.00	0.00	0.00	CO5
		M_x	26.13	43.40	-185.28	0.00	0.00	0.02	CO1
			26.13	43.40	-185.28	0.00	0.00	0.02	CO1
		M_y	26.13	43.40	-185.28	0.00	0.00	0.02	CO1
			26.13	43.40	-185.28	0.00	0.00	0.02	CO1
		M_z	24.84	43.45	-198.33	0.00	0.00	0.02	CO2
			28.00	44.09	-206.19	0.00	0.00	0.00	CO4
Extremes			28.00	44.12	-185.28	0.00	0.00	0.02	
718			24.84	43.40	-215.19	0.00	0.00	0.00	
719	ULS DS1	P_x	39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
			34.88	43.95	-208.59	0.00	0.00	0.00	CO3
		P_y	35.08	44.14	-210.37	0.00	0.00	0.01	CO5
			39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
		P_z	39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
			35.08	44.14	-210.37	0.00	0.00	0.01	CO5
		M_x	39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
			39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
		M_y	39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
			39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
		M_z	35.08	44.14	-210.37	0.00	0.00	0.01	CO5
			39.19	43.46	-180.69	0.00	0.00	-0.02	CO1
Extremes			39.19	44.14	-180.69	0.00	0.00	0.01	
719			34.88	43.46	-210.37	0.00	0.00	-0.02	
720	ULS DS1	P_x	45.95	43.56	-185.53	0.00	0.00	0.01	CO1
			42.64	44.11	-221.63	0.00	0.00	0.05	CO5
		P_y	42.64	44.11	-221.63	0.00	0.00	0.05	CO5
			45.95	43.56	-185.53	0.00	0.00	0.01	CO1
		P_z	45.95	43.56	-185.53	0.00	0.00	0.01	CO1
			42.64	44.11	-221.63	0.00	0.00	0.05	CO5
		M_x	45.95	43.56	-185.53	0.00	0.00	0.01	CO1
			45.95	43.56	-185.53	0.00	0.00	0.01	CO1
		M_y	45.95	43.56	-185.53	0.00	0.00	0.01	CO1
			45.95	43.56	-185.53	0.00	0.00	0.01	CO1
		M_z	42.64	44.11	-221.63	0.00	0.00	0.05	CO5
			45.95	43.56	-185.53	0.00	0.00	0.01	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
Extremes			45.95	44.11	-185.53	0.00	0.00	0.05	
720			42.64	43.56	-221.63	0.00	0.00	0.01	
721	ULS DS1	P_x	30.53	51.84	-196.83	0.00	0.00	0.28	CO1
			17.51	52.07	-235.17	0.00	0.00	0.37	CO5
		P_y	20.62	52.11	-214.30	0.00	0.00	0.36	CO4
			25.90	51.78	-226.78	0.00	0.00	0.29	CO2
		P_z	30.53	51.84	-196.83	0.00	0.00	0.28	CO1
			18.96	51.97	-239.00	0.00	0.00	0.35	CO3
		M_x	30.53	51.84	-196.83	0.00	0.00	0.28	CO1
			30.53	51.84	-196.83	0.00	0.00	0.28	CO1
		M_y	30.53	51.84	-196.83	0.00	0.00	0.28	CO1
			30.53	51.84	-196.83	0.00	0.00	0.28	CO1
		M_z	17.51	52.07	-235.17	0.00	0.00	0.37	CO5
			30.53	51.84	-196.83	0.00	0.00	0.28	CO1
Extremes			30.53	52.11	-196.83	0.00	0.00	0.37	
721			17.51	51.78	-239.00	0.00	0.00	0.28	
747	ULS DS1	P_x	-1.01	0.20	-368.92	-0.77	18.98	0.03	CO1
			-8.50	0.25	-421.16	-0.89	22.36	0.04	CO3
		P_y	-8.50	0.25	-421.16	-0.89	22.36	0.04	CO3
			-1.01	0.20	-368.92	-0.77	18.98	0.03	CO1
		P_z	-1.01	0.20	-368.92	-0.77	18.98	0.03	CO1
			-8.50	0.25	-421.16	-0.89	22.36	0.04	CO3
		M_x	-1.01	0.20	-368.92	-0.77	18.98	0.03	CO1
			-8.50	0.25	-421.16	-0.89	22.36	0.04	CO3
		M_y	-8.50	0.25	-421.16	-0.89	22.36	0.04	CO3
			-1.01	0.20	-368.92	-0.77	18.98	0.03	CO1
		M_z	-7.71	0.24	-409.89	-0.87	21.65	0.04	CO2
			-2.14	0.21	-385.02	-0.79	19.99	0.03	CO4
Extremes			-1.01	0.25	-368.92	-0.77	22.36	0.04	
747			-8.50	0.20	-421.16	-0.89	18.98	0.03	
749	ULS DS1	P_x	-0.35	21.54	-294.75	0.00	0.00	0.58	CO2
			-0.41	18.76	-298.32	0.00	0.00	0.63	CO4
		P_y	-0.36	22.55	-305.08	0.00	0.00	0.60	CO3
			-0.39	17.32	-283.57	0.00	0.00	0.60	CO1
		P_z	-0.39	17.32	-283.57	0.00	0.00	0.60	CO1
			-0.38	21.72	-306.15	0.00	0.00	0.61	CO5
		M_x	-0.39	17.32	-283.57	0.00	0.00	0.60	CO1
			-0.39	17.32	-283.57	0.00	0.00	0.60	CO1
		M_y	-0.39	17.32	-283.57	0.00	0.00	0.60	CO1
			-0.39	17.32	-283.57	0.00	0.00	0.60	CO1
		M_z	-0.41	18.76	-298.32	0.00	0.00	0.63	CO4
			-0.35	21.54	-294.75	0.00	0.00	0.58	CO2
Extremes			-0.35	22.55	-283.57	0.00	0.00	0.63	
749			-0.41	17.32	-306.15	0.00	0.00	0.58	
750	ULS DS1	P_x	0.42	-36.77	-239.48	0.00	0.00	-0.46	CO2
			0.27	-30.11	-220.65	0.00	0.00	-0.33	CO4
		P_y	0.27	-30.11	-220.65	0.00	0.00	-0.33	CO4
			0.42	-36.77	-239.48	0.00	0.00	-0.46	CO2
		P_z	0.27	-30.69	-215.08	0.00	0.00	-0.34	CO1
			0.42	-36.36	-243.38	0.00	0.00	-0.45	CO3
		M_x	0.27	-30.69	-215.08	0.00	0.00	-0.34	CO1
			0.27	-30.69	-215.08	0.00	0.00	-0.34	CO1
		M_y	0.27	-30.69	-215.08	0.00	0.00	-0.34	CO1
			0.27	-30.69	-215.08	0.00	0.00	-0.34	CO1
		M_z	0.27	-30.11	-220.65	0.00	0.00	-0.33	CO4
			0.42	-36.77	-239.48	0.00	0.00	-0.46	CO2
Extremes			0.42	-30.11	-215.08	0.00	0.00	-0.33	
750			0.27	-36.77	-243.38	0.00	0.00	-0.46	
751	ULS DS1	P_x	11.20	-0.16	-150.76	0.00	0.00	0.01	CO3
			8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
		P_y	8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
			10.31	-0.19	-146.73	0.00	0.00	0.01	CO5
		P_z	8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
			11.20	-0.16	-150.76	0.00	0.00	0.01	CO3
		M_x	8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
			8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
		M_y	8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
			8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
		M_z	10.31	-0.19	-146.73	0.00	0.00	0.01	CO5
			8.14	-0.06	-133.27	0.00	0.00	0.00	CO1
Extremes			11.20	-0.06	-133.27	0.00	0.00	0.01	
751			8.14	-0.19	-150.76	0.00	0.00	0.00	

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	ULS DS1	P_x	4.08	-0.09	-209.83	0.00	0.00	-0.02	CO3
			3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
		P_y	3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
			4.05	-0.12	-205.03	0.00	0.00	-0.02	CO5
		P_z	3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
			4.08	-0.09	-209.83	0.00	0.00	-0.02	CO3
		M_x	3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
			3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
		M_y	3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
			3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
		M_z	3.15	-0.02	-189.07	0.00	0.00	0.00	CO1
			4.05	-0.12	-205.03	0.00	0.00	-0.02	CO5
Extremes			4.08	-0.02	-189.07	0.00	0.00	0.00	
752			3.15	-0.12	-209.83	0.00	0.00	-0.02	
753	ULS DS1	P_x	-5.58	-2.25	-309.14	0.00	0.00	-0.04	CO2
			-10.06	-2.26	-317.81	0.00	0.00	-0.04	CO4
		P_y	-6.10	-2.17	-288.24	0.00	0.00	-0.04	CO1
			-9.92	-2.31	-332.73	0.00	0.00	-0.04	CO5
		P_z	-6.10	-2.17	-288.24	0.00	0.00	-0.04	CO1
			-9.92	-2.31	-332.73	0.00	0.00	-0.04	CO5
		M_x	-6.10	-2.17	-288.24	0.00	0.00	-0.04	CO1
			-6.10	-2.17	-288.24	0.00	0.00	-0.04	CO1
		M_y	-6.10	-2.17	-288.24	0.00	0.00	-0.04	CO1
			-6.10	-2.17	-288.24	0.00	0.00	-0.04	CO1
		M_z	-10.06	-2.26	-317.81	0.00	0.00	-0.04	CO4
			-5.58	-2.25	-309.14	0.00	0.00	-0.04	CO2
Extremes			-5.58	-2.17	-288.24	0.00	0.00	-0.04	
753			-10.06	-2.31	-332.73	0.00	0.00	-0.04	
754	ULS DS1	P_x	37.92	-0.75	-234.56	0.00	0.00	0.01	CO3
			33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
		P_y	33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
			37.92	-0.75	-234.56	0.00	0.00	0.01	CO3
		P_z	33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
			37.92	-0.75	-234.56	0.00	0.00	0.01	CO3
		M_x	33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
			33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
		M_y	33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
			33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
		M_z	33.36	-0.74	-207.01	0.00	0.00	0.01	CO1
			37.38	-0.75	-230.95	0.00	0.00	0.01	CO5
Extremes			37.92	-0.74	-207.01	0.00	0.00	0.01	
754			33.36	-0.75	-234.56	0.00	0.00	0.01	
772	ULS DS1	P_x	61.00	1.86	-661.86	-10.70	114.85	-0.22	CO3
			41.46	2.49	-525.94	-10.75	81.09	-0.20	CO1
		P_y	41.46	2.49	-525.94	-10.75	81.09	-0.20	CO1
			61.00	1.86	-661.86	-10.70	114.85	-0.22	CO3
		P_z	41.59	2.49	-525.90	-10.72	81.67	-0.20	CO4
			60.91	1.87	-661.87	-10.73	114.44	-0.22	CO2
		M_x	61.00	1.86	-661.86	-10.70	114.85	-0.22	CO3
			55.21	2.10	-621.28	-10.84	105.01	-0.21	CO5
		M_y	61.00	1.86	-661.86	-10.70	114.85	-0.22	CO3
			41.46	2.49	-525.94	-10.75	81.09	-0.20	CO1
		M_z	41.59	2.49	-525.90	-10.72	81.67	-0.20	CO4
			60.91	1.87	-661.87	-10.73	114.44	-0.22	CO2
Extremes			61.00	2.49	-525.90	-10.70	114.85	-0.20	
772			41.46	1.86	-661.87	-10.84	81.09	-0.22	
779	ULS DS1	P_x	5.00	-40.59	-104.93	0.00	0.00	0.54	CO3
			4.88	-39.41	-103.88	0.00	0.00	0.40	CO1
		P_y	4.88	-39.41	-103.88	0.00	0.00	0.40	CO1
			4.96	-40.91	-105.47	0.00	0.00	0.51	CO5
		P_z	4.99	-39.67	-103.74	0.00	0.00	0.53	CO2
			4.88	-40.72	-105.57	0.00	0.00	0.41	CO4
		M_x	4.88	-39.41	-103.88	0.00	0.00	0.40	CO1
			4.88	-39.41	-103.88	0.00	0.00	0.40	CO1
		M_y	4.88	-39.41	-103.88	0.00	0.00	0.40	CO1
			4.88	-39.41	-103.88	0.00	0.00	0.40	CO1
		M_z	5.00	-40.59	-104.93	0.00	0.00	0.54	CO3
			4.88	-39.41	-103.88	0.00	0.00	0.40	CO1
Extremes			5.00	-39.41	-103.74	0.00	0.00	0.54	
779			4.88	-40.91	-105.57	0.00	0.00	0.40	
783	ULS DS1	P_x	47.96	-0.28	-164.15	0.00	0.00	0.10	CO3
			43.04	-0.20	-142.26	0.00	0.00	0.07	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		P_y	43.94	-0.20	-144.36	0.00	0.00	0.07	CO4
			47.33	-0.28	-162.68	0.00	0.00	0.10	CO2
		P_z	43.04	-0.20	-142.26	0.00	0.00	0.07	CO1
			47.96	-0.28	-164.15	0.00	0.00	0.10	CO3
		M_x	43.04	-0.20	-142.26	0.00	0.00	0.07	CO1
			43.04	-0.20	-142.26	0.00	0.00	0.07	CO1
		M_y	43.04	-0.20	-142.26	0.00	0.00	0.07	CO1
			43.04	-0.20	-142.26	0.00	0.00	0.07	CO1
		M_z	47.33	-0.28	-162.68	0.00	0.00	0.10	CO2
			43.94	-0.20	-144.36	0.00	0.00	0.07	CO4
Extremes			47.96	-0.20	-142.26	0.00	0.00	0.10	
783			43.04	-0.28	-164.15	0.00	0.00	0.07	
785	ULS DS1	P_x	-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
			-99.68	23.76	-314.54	0.00	0.00	-3.74	CO3
		P_y	-95.91	23.94	-309.84	0.00	0.00	-3.67	CO5
			-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
		P_z	-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
			-99.68	23.76	-314.54	0.00	0.00	-3.74	CO3
		M_x	-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
			-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
		M_y	-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
			-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
		M_z	-85.25	21.05	-289.86	0.00	0.00	-3.29	CO1
			-99.68	23.76	-314.54	0.00	0.00	-3.74	CO3
Extremes			-85.25	23.94	-289.86	0.00	0.00	-3.29	
785			-99.68	21.05	-314.54	0.00	0.00	-3.74	
799	ULS DS1	P_x	81.50	-1.89	-475.65	0.00	0.00	0.15	CO3
			71.69	-1.73	-418.66	0.00	0.00	0.14	CO1
		P_y	71.69	-1.73	-418.66	0.00	0.00	0.14	CO1
			81.50	-1.89	-475.65	0.00	0.00	0.15	CO3
		P_z	71.69	-1.73	-418.66	0.00	0.00	0.14	CO1
			80.41	-1.88	-478.12	0.00	0.00	0.15	CO5
		M_x	71.69	-1.73	-418.66	0.00	0.00	0.14	CO1
			71.69	-1.73	-418.66	0.00	0.00	0.14	CO1
		M_y	71.69	-1.73	-418.66	0.00	0.00	0.14	CO1
			71.69	-1.73	-418.66	0.00	0.00	0.14	CO1
		M_z	75.77	-1.81	-457.11	0.00	0.00	0.15	CO4
			78.64	-1.83	-448.74	0.00	0.00	0.14	CO2
Extremes			81.50	-1.73	-418.66	0.00	0.00	0.15	
799			71.69	-1.89	-478.12	0.00	0.00	0.14	
	Total max/min values with corresponding values								
39	ULS DS1	P_x	179.71	-3.23	-760.32	-15.64	39.81	0.52	CO3
322			-151.03	17.35	-271.34	0.00	0.00	-4.59	CO3
135		P_y	2.33	110.25	-312.10	0.00	0.00	1.47	CO3
548			-50.77	-90.54	-223.69	0.00	0.00	1.50	CO5
138		P_z	50.93	-49.20	-70.84	0.00	0.00	0.37	CO2
377			1.63	-28.22	-897.26	-25.97	-0.31	-1.27	CO3
343		M_x	163.19	-16.40	-356.04	23.17	-16.66	3.16	CO2
57			59.09	84.98	-361.52	-62.40	7.63	0.09	CO2
772		M_y	61.00	1.86	-661.86	-10.70	114.85	-0.22	CO3
419			-87.56	7.56	-342.15	-2.12	-42.25	0.58	CO5
417		M_z	-44.37	-10.44	-95.21	-4.20	-14.11	6.96	CO4
71			-7.22	49.24	-400.14	-3.01	-35.17	-7.90	CO1
20	S Ch DS2	P_x	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO6
			-64.69	-1.79	-539.92	-8.07	20.31	2.15	CO8
		P_y	-63.10	-1.71	-521.50	-7.83	19.75	2.11	CO7
			-57.95	-2.78	-497.33	-7.45	18.78	1.87	CO9
		P_z	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO6
			-64.69	-1.79	-539.92	-8.07	20.31	2.15	CO8
		M_x	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO6
			-64.69	-1.79	-539.92	-8.07	20.31	2.15	CO8
		M_y	-64.69	-1.79	-539.92	-8.07	20.31	2.15	CO8
			-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO6
		M_z	-64.69	-1.79	-539.92	-8.07	20.31	2.15	CO8
			-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO6
Extremes			-55.67	-1.71	-470.99	-7.10	20.31	2.15	
20			-64.69	-2.78	-539.92	-8.07	17.97	1.80	
25	S Ch DS2	P_x	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO6
			-4.45	-3.88	-491.84	5.47	-22.03	-2.02	CO8
		P_y	-3.61	-3.82	-471.99	5.41	-20.01	-2.03	CO9
			-4.35	-3.91	-447.66	5.52	-21.45	-1.96	CO7
		P_z	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	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
25		P_z	-4.26	-3.85	-499.22	5.43	-21.61	-2.05	CO10
		M_x	-4.35	-3.91	-447.66	5.52	-21.45	-1.96	CO7
			-3.61	-3.82	-471.99	5.41	-20.01	-2.03	CO9
		M_y	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO6
			-4.45	-3.88	-491.84	5.47	-22.03	-2.02	CO8
		M_z	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO6
			-4.26	-3.85	-499.22	5.43	-21.61	-2.05	CO10
Extremes			-3.47	-3.82	-408.87	5.52	-19.17	-1.94	
25			-4.45	-3.91	-499.22	5.41	-22.03	-2.05	
32	S Ch DS2	P_x	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO6
			-24.86	-5.33	-390.16	5.92	-9.94	-0.48	CO10
		P_y	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO6
			-24.14	-5.34	-388.46	5.93	-10.15	-0.47	CO8
		P_z	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO6
			-24.86	-5.33	-390.16	5.92	-9.94	-0.48	CO10
		M_x	-24.14	-5.34	-388.46	5.93	-10.15	-0.47	CO8
			-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO6
		M_y	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO6
			-24.14	-5.34	-388.46	5.93	-10.15	-0.47	CO8
		M_z	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO6
			-24.86	-5.33	-390.16	5.92	-9.94	-0.48	CO10
Extremes			-20.65	-5.13	-339.25	5.93	-9.08	-0.46	
32			-24.86	-5.34	-390.16	5.79	-10.15	-0.48	
39	S Ch DS2	P_x	133.74	-2.41	-565.65	-11.63	29.59	0.38	CO8
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO6
		P_y	126.68	-1.26	-541.09	-11.38	28.19	0.38	CO9
			127.22	-2.91	-537.28	-11.03	28.71	0.37	CO7
		P_z	117.36	-1.98	-500.55	-10.52	26.94	0.37	CO6
			133.36	-1.91	-566.38	-11.73	29.43	0.39	CO10
		M_x	117.36	-1.98	-500.55	-10.52	26.94	0.37	CO6
			133.36	-1.91	-566.38	-11.73	29.43	0.39	CO10
		M_y	133.74	-2.41	-565.65	-11.63	29.59	0.38	CO8
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO6
		M_z	133.36	-1.91	-566.38	-11.73	29.43	0.39	CO10
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO6
Extremes			133.74	-1.26	-500.55	-10.52	29.59	0.39	
39			117.36	-2.91	-566.38	-11.73	26.94	0.37	
45	S Ch DS2	P_x	-2.11	-0.37	-383.66	-2.31	10.49	0.17	CO9
			-2.98	-0.33	-356.65	-2.50	12.09	0.15	CO7
		P_y	-2.60	-0.25	-394.57	-2.65	11.93	0.16	CO8
			-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO6
		P_z	-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO6
			-2.39	-0.26	-402.58	-2.60	11.41	0.17	CO10
		M_x	-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO6
			-2.60	-0.25	-394.57	-2.65	11.93	0.16	CO8
		M_y	-2.98	-0.33	-356.65	-2.50	12.09	0.15	CO7
			-2.11	-0.37	-383.66	-2.31	10.49	0.17	CO9
		M_z	-2.11	-0.37	-383.66	-2.31	10.49	0.17	CO9
			-2.98	-0.33	-356.65	-2.50	12.09	0.15	CO7
Extremes			-2.11	-0.25	-329.50	-2.09	12.09	0.17	
45			-2.98	-0.48	-402.58	-2.65	10.49	0.15	
51	S Ch DS2	P_x	24.26	61.81	-295.43	-41.94	3.15	0.04	CO9
			17.98	61.46	-278.33	-43.53	2.41	-0.06	CO7
		P_y	22.37	61.88	-309.26	-41.79	2.97	0.06	CO10
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO6
		P_z	20.62	61.33	-258.70	-43.68	2.67	-0.08	CO6
			22.37	61.88	-309.26	-41.79	2.97	0.06	CO10
		M_x	22.37	61.88	-309.26	-41.79	2.97	0.06	CO10
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO6
		M_y	24.26	61.81	-295.43	-41.94	3.15	0.04	CO9
			17.98	61.46	-278.33	-43.53	2.41	-0.06	CO7
		M_z	22.37	61.88	-309.26	-41.79	2.97	0.06	CO10
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO6
Extremes			24.26	61.88	-258.70	-41.79	3.15	0.06	
51			17.98	61.33	-309.26	-43.68	2.41	-0.08	
54	S Ch DS2	P_x	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO6
			32.41	62.11	-295.66	-42.97	4.26	-0.10	CO8
		P_y	32.41	62.11	-295.66	-42.97	4.26	-0.10	CO8
			34.76	61.88	-249.61	-44.86	4.56	-0.06	CO6
		P_z	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO6
			33.06	62.03	-300.56	-42.04	4.35	-0.09	CO10
		M_x	34.32	61.89	-286.43	-42.00	4.52	-0.05	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
54		M_x	32.72	62.10	-269.88	-44.98	4.29	-0.10	CO7
		M_y	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO6
			32.41	62.11	-295.66	-42.97	4.26	-0.10	CO8
		M_z	34.32	61.89	-286.43	-42.00	4.52	-0.05	CO9
			32.72	62.10	-269.88	-44.98	4.29	-0.10	CO7
Extremes			34.76	62.11	-249.61	-42.00	4.56	-0.05	
54			32.41	61.88	-300.56	-44.98	4.26	-0.10	
57	S Ch DS2	P_x	46.52	62.38	-248.32	-45.33	6.03	0.10	CO6
			41.40	63.42	-293.51	-45.25	5.31	-0.04	CO8
		P_y	41.49	63.43	-298.13	-44.52	5.31	-0.07	CO10
			46.52	62.38	-248.32	-45.33	6.03	0.10	CO6
		P_z	46.52	62.38	-248.32	-45.33	6.03	0.10	CO6
			41.49	63.43	-298.13	-44.52	5.31	-0.07	CO10
		M_x	43.32	63.01	-283.98	-43.88	5.57	-0.05	CO9
			43.65	62.97	-268.55	-46.26	5.63	0.07	CO7
		M_y	46.52	62.38	-248.32	-45.33	6.03	0.10	CO6
			41.40	63.42	-293.51	-45.25	5.31	-0.04	CO8
		M_z	46.52	62.38	-248.32	-45.33	6.03	0.10	CO6
			41.49	63.43	-298.13	-44.52	5.31	-0.07	CO10
Extremes			46.52	63.43	-248.32	-43.88	6.03	0.10	
57			41.40	62.38	-298.13	-46.26	5.31	-0.07	
60	S Ch DS2	P_x	48.84	63.67	-298.58	-42.73	6.16	-1.16	CO7
			42.97	65.61	-314.24	-43.99	5.60	-1.34	CO9
		P_y	43.35	66.05	-336.84	-44.72	5.53	-1.33	CO10
			48.51	63.06	-266.41	-41.73	6.29	-1.18	CO6
		P_z	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO6
			43.35	66.05	-336.84	-44.72	5.53	-1.33	CO10
		M_x	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO6
			43.35	66.05	-336.84	-44.72	5.53	-1.33	CO10
		M_y	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO6
			43.35	66.05	-336.84	-44.72	5.53	-1.33	CO10
		M_z	48.84	63.67	-298.58	-42.73	6.16	-1.16	CO7
			42.97	65.61	-314.24	-43.99	5.60	-1.34	CO9
Extremes			48.84	66.05	-266.41	-41.73	6.29	-1.16	
60			42.97	63.06	-336.84	-44.72	5.53	-1.34	
71	S Ch DS2	P_x	1.14	46.26	-332.69	-2.92	-27.59	-5.66	CO8
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO6
		P_y	1.14	46.26	-332.69	-2.92	-27.59	-5.66	CO8
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO6
		P_z	-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO6
			1.14	46.26	-332.69	-2.92	-27.59	-5.66	CO8
		M_x	-4.88	37.43	-303.68	-2.21	-26.19	-5.85	CO9
			0.81	45.60	-327.60	-2.94	-27.49	-5.66	CO7
		M_y	-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO6
			1.14	46.26	-332.69	-2.92	-27.59	-5.66	CO8
		M_z	1.14	46.26	-332.69	-2.92	-27.59	-5.66	CO8
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO6
Extremes			1.14	46.26	-296.40	-2.21	-26.05	-5.66	
71			-5.35	36.47	-332.69	-2.94	-27.59	-5.85	
72	S Ch DS2	P_x	20.31	-2.19	-361.34	1.78	-8.59	0.12	CO8
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO6
		P_y	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO6
			19.66	-2.56	-373.26	2.32	-8.42	0.14	CO10
		P_z	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO6
			19.66	-2.56	-373.26	2.32	-8.42	0.14	CO10
		M_x	19.66	-2.56	-373.26	2.32	-8.42	0.14	CO10
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO6
		M_y	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO6
			20.31	-2.19	-361.34	1.78	-8.59	0.12	CO8
		M_z	19.66	-2.56	-373.26	2.32	-8.42	0.14	CO10
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO6
Extremes			20.31	-0.91	-282.15	2.32	-8.04	0.14	
72			17.95	-2.56	-373.26	0.06	-8.59	0.06	
74	S Ch DS2	P_x	11.26	-11.48	-191.32	0.00	0.00	0.01	CO10
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO6
		P_y	10.76	-10.51	-185.78	0.00	0.00	0.01	CO7
			10.93	-12.31	-184.43	0.00	0.00	0.01	CO9
		P_z	10.23	-11.69	-175.88	0.00	0.00	0.01	CO6
			11.25	-10.94	-191.77	0.00	0.00	0.01	CO8
		M_x	10.23	-11.69	-175.88	0.00	0.00	0.01	CO6
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO6
		M_y	10.23	-11.69	-175.88	0.00	0.00	0.01	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
74		M_y	10.23	-11.69	-175.88	0.00	0.00	0.01	CO6
		M_z	11.26	-11.48	-191.32	0.00	0.00	0.01	CO10
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO6
Extremes			11.26	-10.51	-175.88	0.00	0.00	0.01	
74			10.23	-12.31	-191.77	0.00	0.00	0.01	
99	S Ch DS2	P_x	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
			-16.85	-29.19	-187.48	0.00	0.00	-3.05	CO10
		P_y	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
			-16.85	-29.19	-187.48	0.00	0.00	-3.05	CO10
		P_z	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
			-16.85	-29.19	-187.48	0.00	0.00	-3.05	CO10
		M_x	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
		M_y	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
		M_z	-16.85	-29.19	-187.48	0.00	0.00	-3.05	CO10
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO6
Extremes			-15.78	-29.02	-178.19	0.00	0.00	-3.05	
99			-16.85	-29.19	-187.48	0.00	0.00	-3.10	
100	S Ch DS2	P_x	77.48	-34.06	-228.56	0.00	0.00	-0.48	CO8
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
		P_y	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
			77.48	-34.06	-228.56	0.00	0.00	-0.48	CO8
		P_z	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
			77.48	-34.06	-228.56	0.00	0.00	-0.48	CO8
		M_x	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
		M_y	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
		M_z	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO6
			77.48	-34.06	-228.56	0.00	0.00	-0.48	CO8
Extremes			77.48	-30.40	-200.72	0.00	0.00	-0.42	
100			68.63	-34.06	-228.56	0.00	0.00	-0.48	
101	S Ch DS2	P_x	79.46	23.80	-175.98	0.00	0.00	0.62	CO8
			72.52	21.03	-158.91	0.00	0.00	0.65	CO6
		P_y	79.46	23.80	-175.98	0.00	0.00	0.62	CO8
			72.52	21.03	-158.91	0.00	0.00	0.65	CO6
		P_z	72.52	21.03	-158.91	0.00	0.00	0.65	CO6
			79.46	23.80	-175.98	0.00	0.00	0.62	CO8
		M_x	72.52	21.03	-158.91	0.00	0.00	0.65	CO6
			72.52	21.03	-158.91	0.00	0.00	0.65	CO6
		M_y	72.52	21.03	-158.91	0.00	0.00	0.65	CO6
			72.52	21.03	-158.91	0.00	0.00	0.65	CO6
		M_z	76.46	21.64	-167.23	0.00	0.00	0.70	CO9
			76.70	23.37	-170.16	0.00	0.00	0.59	CO7
Extremes			79.46	23.80	-158.91	0.00	0.00	0.70	
101			72.52	21.03	-175.98	0.00	0.00	0.59	
135	S Ch DS2	P_x	3.79	72.40	-205.65	0.00	0.00	1.18	CO6
			1.65	82.02	-232.17	0.00	0.00	1.09	CO8
		P_y	1.65	82.02	-232.17	0.00	0.00	1.09	CO8
			3.79	72.40	-205.65	0.00	0.00	1.18	CO6
		P_z	3.79	72.40	-205.65	0.00	0.00	1.18	CO6
			1.65	82.02	-232.17	0.00	0.00	1.09	CO8
		M_x	3.79	72.40	-205.65	0.00	0.00	1.18	CO6
			3.79	72.40	-205.65	0.00	0.00	1.18	CO6
		M_y	3.79	72.40	-205.65	0.00	0.00	1.18	CO6
			3.79	72.40	-205.65	0.00	0.00	1.18	CO6
		M_z	3.79	72.40	-205.65	0.00	0.00	1.18	CO6
			1.65	82.02	-232.17	0.00	0.00	1.09	CO8
Extremes			3.79	82.02	-205.65	0.00	0.00	1.18	
135			1.65	72.40	-232.17	0.00	0.00	1.09	
138	S Ch DS2	P_x	39.35	-36.66	-55.71	0.00	0.00	0.24	CO9
			37.69	-36.43	-52.35	0.00	0.00	0.28	CO7
		P_y	38.12	-36.35	-52.44	0.00	0.00	0.28	CO8
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO6
		P_z	37.69	-36.43	-52.35	0.00	0.00	0.28	CO7
			39.35	-36.66	-55.71	0.00	0.00	0.24	CO9
		M_x	38.73	-36.77	-55.59	0.00	0.00	0.24	CO6
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO6
		M_y	38.73	-36.77	-55.59	0.00	0.00	0.24	CO6
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO6
		M_z	38.12	-36.35	-52.44	0.00	0.00	0.28	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
138		M_z	38.73	-36.77	-55.59	0.00	0.00	0.24	CO6
Extremes			39.35	-36.35	-52.35	0.00	0.00	0.28	
138			37.69	-36.77	-55.71	0.00	0.00	0.24	
139	S Ch DS2	P_x	-16.21	-16.39	-159.37	0.00	0.00	-2.14	CO7
			-17.97	-15.88	-169.64	0.00	0.00	-2.14	CO9
		P_y	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO6
			-17.25	-16.44	-166.00	0.00	0.00	-2.15	CO8
		P_z	-16.21	-16.39	-159.37	0.00	0.00	-2.14	CO7
			-17.97	-15.88	-169.64	0.00	0.00	-2.14	CO9
		M_x	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO6
			-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO6
		M_y	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO6
			-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO6
		M_z	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO6
			-17.25	-16.44	-166.00	0.00	0.00	-2.15	CO8
Extremes			-16.21	-15.81	-159.37	0.00	0.00	-2.13	
139			-17.97	-16.44	-169.64	0.00	0.00	-2.15	
286	S Ch DS2	P_x	-0.60	1.40	-370.60	-1.18	0.02	0.00	CO8
			-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO6
		P_y	-0.66	3.68	-343.57	-1.40	-0.19	0.03	CO9
			-0.60	0.30	-361.20	-1.02	0.00	-0.01	CO7
		P_z	-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO6
			-0.60	1.40	-370.60	-1.18	0.02	0.00	CO8
		M_x	-0.60	0.30	-361.20	-1.02	0.00	-0.01	CO7
			-0.66	3.68	-343.57	-1.40	-0.19	0.03	CO9
		M_y	-0.60	1.40	-370.60	-1.18	0.02	0.00	CO8
			-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO6
		M_z	-0.66	3.68	-343.57	-1.40	-0.19	0.03	CO9
			-0.60	0.30	-361.20	-1.02	0.00	-0.01	CO7
Extremes			-0.60	3.68	-330.14	-1.02	0.02	0.03	
286			-0.66	0.30	-370.60	-1.40	-0.21	-0.01	
322	S Ch DS2	P_x	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
			-112.28	12.90	-201.65	0.00	0.00	-3.41	CO8
		P_y	-112.28	12.90	-201.65	0.00	0.00	-3.41	CO8
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
		P_z	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
			-112.28	12.90	-201.65	0.00	0.00	-3.41	CO8
		M_x	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
		M_y	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
		M_z	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO6
			-112.28	12.90	-201.65	0.00	0.00	-3.41	CO8
Extremes			-101.26	12.90	-183.73	0.00	0.00	-3.07	
322			-112.28	11.70	-201.65	0.00	0.00	-3.41	
340	S Ch DS2	P_x	-73.73	0.76	-182.93	-1.30	7.18	0.20	CO9
			-87.53	1.15	-215.19	-1.64	8.45	0.25	CO7
		P_y	-87.52	1.16	-215.09	-1.64	8.45	0.25	CO8
			-73.76	0.75	-183.07	-1.31	7.18	0.20	CO6
		P_z	-73.73	0.76	-182.93	-1.30	7.18	0.20	CO9
			-87.53	1.15	-215.19	-1.64	8.45	0.25	CO7
		M_x	-73.73	0.76	-182.93	-1.30	7.18	0.20	CO9
			-87.53	1.15	-215.19	-1.64	8.45	0.25	CO7
		M_y	-87.53	1.15	-215.19	-1.64	8.45	0.25	CO7
			-73.73	0.76	-182.93	-1.30	7.18	0.20	CO9
		M_z	-87.53	1.15	-215.19	-1.64	8.45	0.25	CO7
			-73.73	0.76	-182.93	-1.30	7.18	0.20	CO9
Extremes			-73.73	1.16	-182.93	-1.30	8.45	0.25	
340			-87.53	0.75	-215.19	-1.64	7.18	0.20	
341	S Ch DS2	P_x	133.47	0.80	-257.95	-1.54	-8.23	-0.24	CO8
			113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO6
		P_y	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO6
			133.47	0.80	-257.95	-1.54	-8.23	-0.24	CO8
		P_z	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO6
			133.47	0.80	-257.95	-1.54	-8.23	-0.24	CO8
		M_x	113.60	0.93	-218.12	-1.35	-6.96	-0.21	CO9
			133.46	0.81	-257.86	-1.54	-8.23	-0.24	CO7
		M_y	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO6
			133.47	0.80	-257.95	-1.54	-8.23	-0.24	CO8
		M_z	113.60	0.93	-218.12	-1.35	-6.96	-0.21	CO9
			133.46	0.81	-257.86	-1.54	-8.23	-0.24	CO7
Extremes			133.47	0.94	-218.00	-1.35	-6.96	-0.21	

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
341			113.59	0.80	-257.95	-1.54	-8.23	-0.24	
342	S Ch DS2	P_x	-85.42	-8.30	-210.52	13.04	10.38	-1.81	CO9
			-109.32	-10.66	-265.29	16.82	12.97	-2.33	CO7
		P_y	-85.42	-8.30	-210.52	13.04	10.38	-1.81	CO9
			-109.32	-10.66	-265.29	16.82	12.97	-2.33	CO7
		P_z	-85.42	-8.30	-210.52	13.04	10.38	-1.81	CO9
			-109.32	-10.66	-265.29	16.82	12.97	-2.33	CO7
		M_x	-109.32	-10.66	-265.29	16.82	12.97	-2.33	CO7
			-85.42	-8.30	-210.52	13.04	10.38	-1.81	CO9
		M_y	-109.32	-10.66	-265.29	16.82	12.97	-2.33	CO7
			-85.42	-8.30	-210.52	13.04	10.38	-1.81	CO9
		M_z	-85.42	-8.30	-210.52	13.04	10.38	-1.81	CO9
			-109.32	-10.66	-265.29	16.82	12.97	-2.33	CO7
Extremes			-85.42	-8.30	-210.52	16.82	12.97	-1.81	
342			-109.32	-10.66	-265.29	13.04	10.38	-2.33	
343	S Ch DS2	P_x	121.63	-12.22	-265.59	17.26	-12.43	2.35	CO8
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO6
		P_y	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO6
			121.63	-12.22	-265.59	17.26	-12.43	2.35	CO8
		P_z	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO6
			121.63	-12.22	-265.59	17.26	-12.43	2.35	CO8
		M_x	121.61	-12.22	-265.43	17.26	-12.42	2.35	CO7
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO6
		M_y	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO6
			121.63	-12.22	-265.59	17.26	-12.43	2.35	CO8
		M_z	121.61	-12.22	-265.43	17.26	-12.42	2.35	CO7
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO6
Extremes			121.63	-9.45	-215.05	17.26	-9.99	2.35	
343			99.80	-12.22	-265.59	13.36	-12.43	1.83	
365	S Ch DS2	P_x	-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
			-45.84	27.32	-489.00	0.00	0.00	0.61	CO8
		P_y	-45.84	27.32	-489.00	0.00	0.00	0.61	CO8
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
		P_z	-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
			-45.84	27.32	-489.00	0.00	0.00	0.61	CO8
		M_x	-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
		M_y	-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
		M_z	-45.84	27.32	-489.00	0.00	0.00	0.61	CO8
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO6
Extremes			-34.38	27.32	-438.95	0.00	0.00	0.61	
365			-45.84	24.20	-489.00	0.00	0.00	0.56	
370	S Ch DS2	P_x	111.05	55.96	-608.12	-22.41	-0.77	-0.01	CO8
			104.40	54.97	-537.00	-19.38	0.30	0.03	CO6
		P_y	109.25	56.02	-596.36	-22.18	-0.69	0.00	CO7
			106.97	54.89	-553.80	-19.71	0.19	0.02	CO9
		P_z	104.40	54.97	-537.00	-19.38	0.30	0.03	CO6
			111.05	55.96	-608.12	-22.41	-0.77	-0.01	CO8
		M_x	104.40	54.97	-537.00	-19.38	0.30	0.03	CO6
			111.05	55.96	-608.12	-22.41	-0.77	-0.01	CO8
		M_y	104.40	54.97	-537.00	-19.38	0.30	0.03	CO6
			111.05	55.96	-608.12	-22.41	-0.77	-0.01	CO8
		M_z	104.40	54.97	-537.00	-19.38	0.30	0.03	CO6
			111.05	55.96	-608.12	-22.41	-0.77	-0.01	CO8
Extremes			111.05	56.02	-537.00	-19.38	0.30	0.03	
370			104.40	54.89	-608.12	-22.41	-0.77	-0.01	
372	S Ch DS2	P_x	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO6
			-0.17	5.98	-591.72	-1.39	0.22	0.03	CO10
		P_y	-0.05	6.59	-592.64	-1.41	0.37	0.03	CO7
			-0.14	5.17	-527.97	-1.27	0.26	0.03	CO9
		P_z	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO6
			-0.14	6.35	-611.13	-1.42	0.26	0.03	CO8
		M_x	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO6
			-0.14	6.35	-611.13	-1.42	0.26	0.03	CO8
		M_y	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO6
			-0.17	5.98	-591.72	-1.39	0.22	0.03	CO10
		M_z	-0.14	6.35	-611.13	-1.42	0.26	0.03	CO8
			-0.01	5.51	-501.56	-1.26	0.42	0.03	CO6
Extremes			-0.01	6.59	-501.56	-1.26	0.42	0.03	
372			-0.17	5.17	-611.13	-1.42	0.22	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
377	SCh DS2	P_x	1.22	-19.21	-649.79	-18.66	-0.15	-0.91	CO7
			1.14	-24.67	-588.00	-18.51	-0.17	-0.90	CO9
		P_y	1.22	-19.21	-649.79	-18.66	-0.15	-0.91	CO7
			1.14	-24.67	-588.00	-18.51	-0.17	-0.90	CO9
		P_z	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO6
			1.21	-20.85	-668.61	-19.30	-0.24	-0.94	CO8
		M_x	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO6
			1.21	-20.85	-668.61	-19.30	-0.24	-0.94	CO8
		M_y	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO6
			1.18	-22.44	-650.10	-19.26	-0.25	-0.94	CO10
		M_z	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO6
			1.21	-20.85	-668.61	-19.30	-0.24	-0.94	CO8
Extremes			1.22	-19.21	-561.11	-17.60	-0.05	-0.85	
377			1.14	-24.67	-668.61	-19.30	-0.25	-0.94	
415	SCh DS2	P_x	-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO6
			-92.98	66.00	-359.97	1.07	-5.26	-3.84	CO8
		P_y	-92.98	66.00	-359.97	1.07	-5.26	-3.84	CO8
			-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO6
		P_z	-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO6
			-92.98	66.00	-359.97	1.07	-5.26	-3.84	CO8
		M_x	-89.30	57.41	-316.19	1.20	-5.79	-3.84	CO9
			-91.98	65.31	-358.02	1.06	-5.18	-3.84	CO7
		M_y	-91.98	65.31	-358.02	1.06	-5.18	-3.84	CO7
			-89.30	57.41	-316.19	1.20	-5.79	-3.84	CO9
		M_z	-92.24	63.42	-347.39	1.15	-5.46	-3.84	CO10
			-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO6
Extremes			-87.88	66.00	-313.40	1.20	-5.18	-3.84	
415			-92.98	56.42	-359.97	1.06	-5.79	-3.85	
417	SCh DS2	P_x	-29.69	-8.32	-71.49	-3.14	-10.33	5.11	CO7
			-32.88	-7.79	-70.73	-3.11	-10.46	5.15	CO9
		P_y	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO6
			-29.94	-9.44	-75.29	-3.11	-10.50	5.13	CO8
		P_z	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO6
			-29.94	-9.44	-75.29	-3.11	-10.50	5.13	CO8
		M_x	-32.88	-7.79	-70.73	-3.11	-10.46	5.15	CO9
			-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO6
		M_y	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO6
			-31.02	-9.13	-74.48	-3.11	-10.54	5.15	CO10
		M_z	-32.88	-7.79	-70.73	-3.11	-10.46	5.15	CO9
			-29.69	-8.32	-71.49	-3.14	-10.33	5.11	CO7
Extremes			-29.69	-6.19	-65.30	-3.11	-10.23	5.15	
417			-32.88	-9.44	-75.29	-3.14	-10.54	5.11	
419	SCh DS2	P_x	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO6
			-64.89	5.52	-254.34	-1.57	-31.32	0.43	CO10
		P_y	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO6
			-64.89	5.52	-254.34	-1.57	-31.32	0.43	CO10
		P_z	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO6
			-64.66	5.62	-258.81	-1.61	-31.08	0.42	CO8
		M_x	-64.83	6.41	-238.99	-1.55	-31.27	0.42	CO9
			-64.12	6.63	-253.15	-1.71	-30.59	0.39	CO7
		M_y	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO6
			-64.89	5.52	-254.34	-1.57	-31.32	0.43	CO10
		M_z	-64.89	5.52	-254.34	-1.57	-31.32	0.43	CO10
			-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO6
Extremes			-64.06	7.85	-230.92	-1.55	-30.57	0.43	
419			-64.89	5.52	-258.81	-1.71	-31.32	0.38	
422	SCh DS2	P_x	-0.82	13.93	-195.44	-2.11	1.04	-1.18	CO8
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO6
		P_y	-0.82	13.93	-195.44	-2.11	1.04	-1.18	CO8
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO6
		P_z	-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO6
			-0.82	13.93	-195.44	-2.11	1.04	-1.18	CO8
		M_x	-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO6
			-0.82	13.93	-195.44	-2.11	1.04	-1.18	CO8
		M_y	-0.82	13.93	-195.44	-2.11	1.04	-1.18	CO8
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO6
		M_z	-1.04	13.65	-192.66	-2.08	0.96	-1.15	CO7
			-1.54	9.70	-183.97	-1.61	0.35	-1.29	CO9
Extremes			-0.82	13.93	-180.00	-1.57	1.04	-1.15	
422			-1.84	9.30	-195.44	-2.11	0.24	-1.29	
424	SCh DS2	P_x	-61.87	9.44	-311.80	-1.35	-26.22	-0.90	CO7
			-63.11	6.94	-287.11	-1.02	-27.62	-0.79	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
424		P_y	-61.87	9.44	-311.80	-1.35	-26.22	-0.90	CO7
			-63.11	6.94	-287.11	-1.02	-27.62	-0.79	CO9
		P_z	-62.30	7.46	-277.01	-1.08	-26.92	-0.73	CO6
			-62.43	9.07	-318.88	-1.31	-26.71	-0.94	CO8
		M_x	-63.11	6.94	-287.11	-1.02	-27.62	-0.79	CO9
			-61.87	9.44	-311.80	-1.35	-26.22	-0.90	CO7
		M_y	-61.87	9.44	-311.80	-1.35	-26.22	-0.90	CO7
			-63.11	6.94	-287.11	-1.02	-27.62	-0.79	CO9
		M_z	-62.30	7.46	-277.01	-1.08	-26.92	-0.73	CO6
			-62.43	9.07	-318.88	-1.31	-26.71	-0.94	CO8
Extremes			-61.87	9.44	-277.01	-1.02	-26.22	-0.73	
424			-63.11	6.94	-318.88	-1.35	-27.62	-0.94	
443	S Ch DS2	P_x	30.00	-20.81	-255.74	-7.41	-2.64	3.72	CO10
			18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO6
		P_y	22.57	-19.41	-237.67	-7.53	-3.35	3.80	CO7
			30.00	-20.81	-255.74	-7.41	-2.64	3.72	CO10
		P_z	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO6
			30.00	-20.81	-255.74	-7.41	-2.64	3.72	CO10
		M_x	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO6
			28.54	-20.09	-251.53	-7.71	-2.78	3.74	CO8
		M_y	30.00	-20.81	-255.74	-7.41	-2.64	3.72	CO10
			18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO6
		M_z	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO6
			30.00	-20.81	-255.74	-7.41	-2.64	3.72	CO10
Extremes			30.00	-19.41	-230.12	-6.47	-2.64	3.80	
443			18.68	-20.81	-255.74	-7.71	-3.68	3.72	
445	S Ch DS2	P_x	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO6
			-16.22	-42.50	-239.83	-6.34	5.36	2.87	CO8
		P_y	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO6
			-16.22	-42.50	-239.83	-6.34	5.36	2.87	CO8
		P_z	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO6
			-16.22	-42.50	-239.83	-6.34	5.36	2.87	CO8
		M_x	-16.22	-42.50	-239.83	-6.34	5.36	2.87	CO8
			-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO6
		M_y	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO6
			-16.22	-42.50	-239.83	-6.34	5.36	2.87	CO8
		M_z	-16.22	-42.50	-239.83	-6.34	5.36	2.87	CO8
			-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO6
Extremes			-3.90	-31.89	-206.57	-6.34	6.43	2.87	
445			-16.22	-42.50	-239.83	-6.84	5.36	2.82	
465	S Ch DS2	P_x	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO6
			-2.07	-6.23	-589.25	8.22	-2.48	0.08	CO8
		P_y	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO6
			-2.07	-6.23	-589.25	8.22	-2.48	0.08	CO8
		P_z	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO6
			-2.07	-6.23	-589.25	8.22	-2.48	0.08	CO8
		M_x	-2.07	-6.23	-579.56	8.23	-2.48	0.08	CO7
			-1.49	-4.63	-514.22	6.01	-1.67	0.08	CO9
		M_y	-1.49	-4.63	-514.22	6.01	-1.67	0.08	CO9
			-2.07	-6.23	-579.56	8.23	-2.48	0.08	CO7
		M_z	-1.49	-4.63	-514.22	6.01	-1.67	0.08	CO9
			-2.07	-6.23	-579.56	8.23	-2.48	0.08	CO7
Extremes			-1.49	-4.62	-500.38	8.23	-1.67	0.08	
465			-2.07	-6.23	-589.25	6.01	-2.48	0.08	
468	S Ch DS2	P_x	0.61	-7.52	-637.57	9.74	1.26	0.07	CO8
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO6
		P_y	0.54	-5.51	-547.31	6.96	1.16	0.06	CO9
			0.60	-7.53	-633.13	9.79	1.25	0.06	CO7
		P_z	0.53	-5.53	-540.97	7.03	1.13	0.06	CO6
			0.61	-7.52	-637.57	9.74	1.26	0.07	CO8
		M_x	0.60	-7.53	-633.13	9.79	1.25	0.06	CO7
			0.54	-5.51	-547.31	6.96	1.16	0.06	CO9
		M_y	0.61	-7.52	-637.57	9.74	1.26	0.07	CO8
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO6
		M_z	0.59	-6.91	-611.82	8.88	1.23	0.07	CO10
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO6
Extremes			0.61	-5.51	-540.97	9.79	1.26	0.07	
468			0.53	-7.53	-637.57	6.96	1.13	0.06	
542	S Ch DS2	P_x	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
			-35.15	-52.42	-204.00	0.00	0.00	0.36	CO8
		P_y	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
			-35.15	-52.42	-204.00	0.00	0.00	0.36	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
542		P_z	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
			-35.15	-52.42	-204.00	0.00	0.00	0.36	CO8
		M_x	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
			-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
		M_y	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
			-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
		M_z	-35.15	-52.42	-204.00	0.00	0.00	0.36	CO8
			-30.34	-48.26	-191.73	0.00	0.00	0.35	CO6
Extremes			-30.34	-48.26	-191.73	0.00	0.00	0.36	
542			-35.15	-52.42	-204.00	0.00	0.00	0.35	
547	S Ch DS2	P_x	21.56	23.00	-97.88	0.00	0.00	0.14	CO9
			20.24	21.41	-93.88	0.00	0.00	0.14	CO7
		P_y	21.56	23.00	-97.88	0.00	0.00	0.14	CO9
			20.24	21.41	-93.88	0.00	0.00	0.14	CO7
		P_z	20.24	21.41	-93.88	0.00	0.00	0.14	CO7
			21.56	23.00	-97.88	0.00	0.00	0.14	CO9
		M_x	20.25	21.71	-94.21	0.00	0.00	0.14	CO6
			20.25	21.71	-94.21	0.00	0.00	0.14	CO6
		M_y	20.25	21.71	-94.21	0.00	0.00	0.14	CO6
			20.25	21.71	-94.21	0.00	0.00	0.14	CO6
		M_z	20.24	21.41	-93.88	0.00	0.00	0.14	CO7
			21.56	23.00	-97.88	0.00	0.00	0.14	CO9
Extremes			21.56	23.00	-93.88	0.00	0.00	0.14	
547			20.24	21.41	-97.88	0.00	0.00	0.14	
548	S Ch DS2	P_x	-37.29	-65.93	-162.63	0.00	0.00	1.10	CO7
			-38.18	-67.00	-166.38	0.00	0.00	1.12	CO9
		P_y	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO6
			-37.59	-67.11	-165.77	0.00	0.00	1.11	CO10
		P_z	-37.29	-65.93	-162.63	0.00	0.00	1.10	CO7
			-38.18	-67.00	-166.38	0.00	0.00	1.12	CO9
		M_x	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO6
			-38.17	-65.77	-163.57	0.00	0.00	1.12	CO6
		M_y	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO6
			-38.17	-65.77	-163.57	0.00	0.00	1.12	CO6
		M_z	-38.18	-67.00	-166.38	0.00	0.00	1.12	CO9
			-37.29	-65.93	-162.63	0.00	0.00	1.10	CO7
Extremes			-37.29	-65.77	-162.63	0.00	0.00	1.12	
548			-38.18	-67.11	-166.38	0.00	0.00	1.10	
589	S Ch DS2	P_x	0.90	-2.72	-202.77	8.93	2.73	-0.13	CO9
			0.76	-2.43	-177.92	8.00	2.28	-0.14	CO7
		P_y	0.76	-2.43	-177.92	8.00	2.28	-0.14	CO7
			0.90	-2.72	-202.77	8.93	2.73	-0.13	CO9
		P_z	0.76	-2.43	-177.92	8.00	2.28	-0.14	CO7
			0.90	-2.72	-202.77	8.93	2.73	-0.13	CO9
		M_x	0.90	-2.72	-202.77	8.93	2.73	-0.13	CO9
			0.76	-2.43	-177.92	8.00	2.28	-0.14	CO7
		M_y	0.90	-2.72	-202.77	8.93	2.73	-0.13	CO9
			0.76	-2.43	-177.92	8.00	2.28	-0.14	CO7
		M_z	0.77	-2.44	-177.98	8.04	2.32	-0.13	CO6
			0.85	-2.62	-195.28	8.62	2.57	-0.14	CO8
Extremes			0.90	-2.43	-177.92	8.93	2.73	-0.13	
589			0.76	-2.72	-202.77	8.00	2.28	-0.14	
593	S Ch DS2	P_x	22.16	52.35	-289.24	-31.30	2.34	-3.82	CO10
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO6
		P_y	22.16	52.35	-289.24	-31.30	2.34	-3.82	CO10
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO6
		P_z	13.16	50.80	-235.11	-30.17	1.35	-3.91	CO6
			22.16	52.35	-289.24	-31.30	2.34	-3.82	CO10
		M_x	13.16	50.80	-235.11	-30.17	1.35	-3.91	CO6
			22.16	52.35	-289.24	-31.30	2.34	-3.82	CO10
		M_y	22.16	52.35	-289.24	-31.30	2.34	-3.82	CO10
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO6
		M_z	22.16	52.35	-289.24	-31.30	2.34	-3.82	CO10
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO6
Extremes			22.16	52.35	-235.11	-30.17	2.34	-3.82	
593			13.16	50.80	-289.24	-31.30	1.35	-3.91	
607	S Ch DS2	P_x	-0.88	-1.97	-167.28	6.23	-3.00	-0.17	CO7
			-1.03	-2.22	-188.52	7.02	-3.44	-0.16	CO9
		P_y	-0.88	-1.97	-167.28	6.23	-3.00	-0.17	CO7
			-1.03	-2.22	-188.52	7.02	-3.44	-0.16	CO9
		P_z	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO6
			-1.02	-2.21	-188.75	6.98	-3.45	-0.17	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
607		M_x	-1.03	-2.22	-188.52	7.02	-3.44	-0.16	CO9
			-0.88	-1.97	-167.28	6.23	-3.00	-0.17	CO7
		M_y	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO6
			-1.02	-2.21	-188.75	6.98	-3.45	-0.17	CO10
		M_z	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO6
			-0.98	-2.13	-182.38	6.74	-3.31	-0.17	CO8
Extremes			-0.88	-1.97	-166.94	7.02	-3.00	-0.16	
607			-1.03	-2.22	-188.75	6.23	-3.45	-0.17	
687	S Ch DS2	P_x	-22.66	-29.29	-161.97	0.00	0.00	-1.04	CO8
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO6
		P_y	-22.71	-28.72	-163.89	0.00	0.00	-1.06	CO9
			-22.67	-29.37	-158.44	0.00	0.00	-1.05	CO7
		P_z	-22.67	-29.37	-158.44	0.00	0.00	-1.05	CO7
			-22.71	-28.72	-163.89	0.00	0.00	-1.06	CO9
		M_x	-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO6
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO6
		M_y	-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO6
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO6
		M_z	-22.66	-29.29	-161.97	0.00	0.00	-1.04	CO8
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO6
Extremes			-22.66	-28.72	-158.44	0.00	0.00	-1.04	
687			-22.71	-29.37	-163.89	0.00	0.00	-1.07	
688	S Ch DS2	P_x	-4.87	-26.59	-163.02	0.00	0.00	4.82	CO10
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO6
		P_y	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO6
			-5.09	-26.60	-161.14	0.00	0.00	4.82	CO8
		P_z	-5.70	-26.59	-156.80	0.00	0.00	4.82	CO7
			-4.96	-26.58	-163.07	0.00	0.00	4.82	CO9
		M_x	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO6
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO6
		M_y	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO6
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO6
		M_z	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO6
			-4.87	-26.59	-163.02	0.00	0.00	4.82	CO10
Extremes			-4.87	-26.56	-156.80	0.00	0.00	4.83	
688			-5.83	-26.60	-163.07	0.00	0.00	4.82	
689	S Ch DS2	P_x	-7.50	-41.13	-192.58	0.00	0.00	1.33	CO10
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO6
		P_y	-7.56	-41.13	-192.59	0.00	0.00	1.33	CO9
			-7.60	-41.13	-184.14	0.00	0.00	1.33	CO7
		P_z	-7.60	-41.13	-184.14	0.00	0.00	1.33	CO7
			-7.56	-41.13	-192.59	0.00	0.00	1.33	CO9
		M_x	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO6
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO6
		M_y	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO6
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO6
		M_z	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO6
			-7.51	-41.13	-190.05	0.00	0.00	1.33	CO8
Extremes			-7.50	-41.13	-184.14	0.00	0.00	1.34	
689			-7.70	-41.13	-192.59	0.00	0.00	1.33	
690	S Ch DS2	P_x	-6.68	-41.73	-188.30	0.00	0.00	-0.05	CO7
			-7.17	-41.72	-196.77	0.00	0.00	-0.05	CO9
		P_y	-7.17	-41.72	-196.77	0.00	0.00	-0.05	CO9
			-6.68	-41.73	-188.30	0.00	0.00	-0.05	CO7
		P_z	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO6
			-7.04	-41.72	-196.91	0.00	0.00	-0.05	CO10
		M_x	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO6
			-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO6
		M_y	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO6
			-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO6
		M_z	-7.17	-41.72	-196.77	0.00	0.00	-0.05	CO9
			-6.68	-41.73	-188.30	0.00	0.00	-0.05	CO7
Extremes			-6.68	-41.72	-188.12	0.00	0.00	-0.05	
690			-7.17	-41.73	-196.91	0.00	0.00	-0.05	
691	S Ch DS2	P_x	-21.01	-31.69	-177.64	0.00	0.00	-2.95	CO7
			-22.49	-31.73	-184.96	0.00	0.00	-2.93	CO9
		P_y	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO6
			-22.22	-31.73	-185.42	0.00	0.00	-2.93	CO10
		P_z	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO6
			-22.22	-31.73	-185.42	0.00	0.00	-2.93	CO10
		M_x	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO6
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	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
691		M_y	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO6
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO6
		M_z	-22.22	-31.73	-185.42	0.00	0.00	-2.93	CO10
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO6
Extremes			-21.01	-31.69	-177.00	0.00	0.00	-2.93	
691			-22.49	-31.73	-185.42	0.00	0.00	-2.95	
692	S Ch DS2	P_x	1.67	-17.26	-221.95	0.00	0.00	-0.48	CO7
			1.00	-17.27	-223.49	0.00	0.00	-0.55	CO9
		P_y	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO6
			1.30	-17.30	-229.04	0.00	0.00	-0.49	CO10
		P_z	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO6
			1.30	-17.30	-229.04	0.00	0.00	-0.49	CO10
		M_x	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO6
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO6
		M_y	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO6
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO6
		M_z	1.50	-17.30	-228.57	0.00	0.00	-0.47	CO8
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO6
Extremes			1.67	-17.21	-214.04	0.00	0.00	-0.47	
692			1.00	-17.30	-229.04	0.00	0.00	-0.57	
693	S Ch DS2	P_x	25.82	-26.78	-240.56	0.00	0.00	1.15	CO7
			22.92	-26.48	-229.03	0.00	0.00	1.12	CO9
		P_y	24.54	-26.47	-239.09	0.00	0.00	1.13	CO10
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO6
		P_z	23.49	-26.80	-226.15	0.00	0.00	1.14	CO6
			25.42	-26.56	-242.57	0.00	0.00	1.14	CO8
		M_x	23.49	-26.80	-226.15	0.00	0.00	1.14	CO6
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO6
		M_y	23.49	-26.80	-226.15	0.00	0.00	1.14	CO6
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO6
		M_z	25.82	-26.78	-240.56	0.00	0.00	1.15	CO7
			22.92	-26.48	-229.03	0.00	0.00	1.12	CO9
Extremes			25.82	-26.47	-226.15	0.00	0.00	1.15	
693			22.92	-26.80	-242.57	0.00	0.00	1.12	
694	S Ch DS2	P_x	10.51	-34.78	-235.77	0.00	0.00	0.02	CO7
			7.57	-34.63	-220.32	0.00	0.00	0.07	CO9
		P_y	8.58	-34.56	-219.38	0.00	0.00	0.09	CO6
			9.79	-34.82	-236.43	0.00	0.00	0.00	CO8
		P_z	8.58	-34.56	-219.38	0.00	0.00	0.09	CO6
			9.79	-34.82	-236.43	0.00	0.00	0.00	CO8
		M_x	8.58	-34.56	-219.38	0.00	0.00	0.09	CO6
			8.58	-34.56	-219.38	0.00	0.00	0.09	CO6
		M_y	8.58	-34.56	-219.38	0.00	0.00	0.09	CO6
			8.58	-34.56	-219.38	0.00	0.00	0.09	CO6
		M_z	8.58	-34.56	-219.38	0.00	0.00	0.09	CO6
			9.79	-34.82	-236.43	0.00	0.00	0.00	CO8
Extremes			10.51	-34.56	-219.38	0.00	0.00	0.09	
694			7.57	-34.82	-236.43	0.00	0.00	0.00	
695	S Ch DS2	P_x	11.47	-34.53	-246.49	0.00	0.00	0.08	CO7
			9.36	-34.50	-227.05	0.00	0.00	0.08	CO9
		P_y	10.01	-34.49	-226.98	0.00	0.00	0.07	CO6
			11.01	-34.54	-246.54	0.00	0.00	0.08	CO8
		P_z	10.01	-34.49	-226.98	0.00	0.00	0.07	CO6
			11.01	-34.54	-246.54	0.00	0.00	0.08	CO8
		M_x	10.01	-34.49	-226.98	0.00	0.00	0.07	CO6
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO6
		M_y	10.01	-34.49	-226.98	0.00	0.00	0.07	CO6
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO6
		M_z	11.01	-34.54	-246.54	0.00	0.00	0.08	CO8
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO6
Extremes			11.47	-34.49	-226.98	0.00	0.00	0.08	
695			9.36	-34.54	-246.54	0.00	0.00	0.07	
696	S Ch DS2	P_x	12.09	-34.82	-250.13	0.00	0.00	-0.02	CO7
			10.73	-34.78	-229.88	0.00	0.00	-0.02	CO9
		P_y	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO6
			11.86	-34.85	-250.17	0.00	0.00	-0.01	CO8
		P_z	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO6
			11.86	-34.85	-250.17	0.00	0.00	-0.01	CO8
		M_x	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO6
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO6
		M_y	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO6
			11.05	-34.74	-229.82	0.00	0.00	-0.02	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
696		M_z	11.42	-34.84	-244.09	0.00	0.00	-0.01	CO10
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO6
Extremes			12.09	-34.74	-229.82	0.00	0.00	-0.01	
696			10.73	-34.85	-250.17	0.00	0.00	-0.02	
697	S Ch DS2	P_x	2.43	-34.99	-240.11	0.00	0.00	0.10	CO9
			1.36	-35.02	-258.28	0.00	0.00	0.10	CO7
		P_y	2.03	-34.90	-238.72	0.00	0.00	0.09	CO6
			1.63	-35.07	-259.26	0.00	0.00	0.10	CO8
		P_z	2.03	-34.90	-238.72	0.00	0.00	0.09	CO6
			1.63	-35.07	-259.26	0.00	0.00	0.10	CO8
		M_x	2.03	-34.90	-238.72	0.00	0.00	0.09	CO6
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO6
		M_y	2.03	-34.90	-238.72	0.00	0.00	0.09	CO6
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO6
		M_z	1.93	-35.06	-253.80	0.00	0.00	0.11	CO10
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO6
Extremes			2.43	-34.90	-238.72	0.00	0.00	0.11	
697			1.36	-35.07	-259.26	0.00	0.00	0.09	
698	S Ch DS2	P_x	0.99	-33.00	-249.27	0.00	0.00	-0.08	CO9
			-1.61	-33.01	-259.31	0.00	0.00	-0.08	CO7
		P_y	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO6
			-1.03	-33.08	-262.76	0.00	0.00	-0.09	CO8
		P_z	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO6
			-1.03	-33.08	-262.76	0.00	0.00	-0.09	CO8
		M_x	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO6
			0.17	-32.89	-244.35	0.00	0.00	-0.08	CO6
		M_y	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO6
			0.17	-32.89	-244.35	0.00	0.00	-0.08	CO6
		M_z	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO6
			-1.03	-33.08	-262.76	0.00	0.00	-0.09	CO8
Extremes			0.99	-32.89	-244.35	0.00	0.00	-0.08	
698			-1.61	-33.08	-262.76	0.00	0.00	-0.09	
699	S Ch DS2	P_x	-3.85	-36.45	-228.03	0.00	0.00	2.07	CO9
			-6.29	-36.43	-226.88	0.00	0.00	2.07	CO7
		P_y	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO6
			-5.27	-36.47	-232.75	0.00	0.00	2.06	CO10
		P_z	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO6
			-5.27	-36.47	-232.75	0.00	0.00	2.06	CO10
		M_x	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO6
			-4.29	-36.41	-220.15	0.00	0.00	2.09	CO6
		M_y	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO6
			-4.29	-36.41	-220.15	0.00	0.00	2.09	CO6
		M_z	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO6
			-5.27	-36.47	-232.75	0.00	0.00	2.06	CO10
Extremes			-3.85	-36.41	-220.15	0.00	0.00	2.09	
699			-6.29	-36.47	-232.75	0.00	0.00	2.06	
700	S Ch DS2	P_x	7.85	-29.95	-175.11	0.00	0.00	2.43	CO7
			7.55	-29.98	-184.32	0.00	0.00	2.41	CO9
		P_y	7.62	-29.89	-175.13	0.00	0.00	2.44	CO6
			7.70	-30.02	-184.32	0.00	0.00	2.40	CO10
		P_z	7.85	-29.95	-175.11	0.00	0.00	2.43	CO7
			7.55	-29.98	-184.32	0.00	0.00	2.41	CO9
		M_x	7.62	-29.89	-175.13	0.00	0.00	2.44	CO6
			7.62	-29.89	-175.13	0.00	0.00	2.44	CO6
		M_y	7.62	-29.89	-175.13	0.00	0.00	2.44	CO6
			7.62	-29.89	-175.13	0.00	0.00	2.44	CO6
		M_z	7.62	-29.89	-175.13	0.00	0.00	2.44	CO6
			7.70	-30.02	-184.32	0.00	0.00	2.40	CO10
Extremes			7.85	-29.89	-175.11	0.00	0.00	2.44	
700			7.55	-30.02	-184.32	0.00	0.00	2.40	
703	S Ch DS2	P_x	34.57	-14.53	-319.96	0.00	0.00	0.92	CO9
			33.97	-14.50	-336.10	0.00	0.00	0.88	CO7
		P_y	34.55	-14.02	-309.15	0.00	0.00	0.93	CO6
			34.16	-14.86	-338.83	0.00	0.00	0.89	CO10
		P_z	34.55	-14.02	-309.15	0.00	0.00	0.93	CO6
			33.98	-14.85	-343.67	0.00	0.00	0.88	CO8
		M_x	34.55	-14.02	-309.15	0.00	0.00	0.93	CO6
			34.55	-14.02	-309.15	0.00	0.00	0.93	CO6
		M_y	34.55	-14.02	-309.15	0.00	0.00	0.93	CO6
			34.55	-14.02	-309.15	0.00	0.00	0.93	CO6
		M_z	34.55	-14.02	-309.15	0.00	0.00	0.93	CO6
			33.98	-14.85	-343.67	0.00	0.00	0.88	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			34.57	-14.02	-309.15	0.00	0.00	0.93	
703			33.97	-14.86	-343.67	0.00	0.00	0.88	
704	S Ch DS2	P_x	30.90	15.95	-320.85	0.00	0.00	-1.91	CO6
			30.70	18.12	-355.58	0.00	0.00	-1.80	CO8
		P_y	30.70	18.12	-355.58	0.00	0.00	-1.80	CO8
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO6
		P_z	30.90	15.95	-320.85	0.00	0.00	-1.91	CO6
			30.70	18.12	-355.58	0.00	0.00	-1.80	CO8
		M_x	30.90	15.95	-320.85	0.00	0.00	-1.91	CO6
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO6
		M_y	30.90	15.95	-320.85	0.00	0.00	-1.91	CO6
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO6
		M_z	30.72	17.33	-347.63	0.00	0.00	-1.80	CO7
			30.88	17.09	-332.22	0.00	0.00	-1.91	CO9
Extremes			30.90	18.12	-320.85	0.00	0.00	-1.80	
704			30.70	15.95	-355.58	0.00	0.00	-1.91	
705	S Ch DS2	P_x	32.34	0.40	-381.46	0.00	0.00	0.97	CO8
			32.26	0.56	-343.60	0.00	0.00	0.97	CO6
		P_y	32.33	1.38	-372.63	0.00	0.00	0.97	CO7
			32.27	-0.84	-356.20	0.00	0.00	0.98	CO9
		P_z	32.26	0.56	-343.60	0.00	0.00	0.97	CO6
			32.34	0.40	-381.46	0.00	0.00	0.97	CO8
		M_x	32.26	0.56	-343.60	0.00	0.00	0.97	CO6
			32.26	0.56	-343.60	0.00	0.00	0.97	CO6
		M_y	32.26	0.56	-343.60	0.00	0.00	0.97	CO6
			32.26	0.56	-343.60	0.00	0.00	0.97	CO6
		M_z	32.27	-0.84	-356.20	0.00	0.00	0.98	CO9
			32.33	1.38	-372.63	0.00	0.00	0.97	CO7
Extremes			32.34	1.38	-343.60	0.00	0.00	0.98	
705			32.26	-0.84	-381.46	0.00	0.00	0.97	
706	S Ch DS2	P_x	34.85	7.20	-326.81	0.00	0.00	-0.06	CO9
			34.83	6.69	-342.73	0.00	0.00	-0.05	CO7
		P_y	34.83	8.14	-317.04	0.00	0.00	-0.05	CO6
			34.84	6.03	-349.58	0.00	0.00	-0.05	CO8
		P_z	34.83	8.14	-317.04	0.00	0.00	-0.05	CO6
			34.84	6.03	-349.58	0.00	0.00	-0.05	CO8
		M_x	34.83	8.14	-317.04	0.00	0.00	-0.05	CO6
			34.83	8.14	-317.04	0.00	0.00	-0.05	CO6
		M_y	34.83	8.14	-317.04	0.00	0.00	-0.05	CO6
			34.83	8.14	-317.04	0.00	0.00	-0.05	CO6
		M_z	34.83	6.69	-342.73	0.00	0.00	-0.05	CO7
			34.85	7.20	-326.81	0.00	0.00	-0.06	CO9
Extremes			34.85	8.14	-317.04	0.00	0.00	-0.05	
706			34.83	6.03	-349.58	0.00	0.00	-0.06	
709	S Ch DS2	P_x	27.14	24.76	-279.32	0.00	0.00	-2.26	CO9
			27.08	23.30	-288.56	0.00	0.00	-2.26	CO7
		P_y	27.14	25.36	-273.00	0.00	0.00	-2.26	CO6
			27.08	22.88	-292.98	0.00	0.00	-2.26	CO8
		P_z	27.14	25.36	-273.00	0.00	0.00	-2.26	CO6
			27.08	22.88	-292.98	0.00	0.00	-2.26	CO8
		M_x	27.14	25.36	-273.00	0.00	0.00	-2.26	CO6
			27.14	25.36	-273.00	0.00	0.00	-2.26	CO6
		M_y	27.14	25.36	-273.00	0.00	0.00	-2.26	CO6
			27.14	25.36	-273.00	0.00	0.00	-2.26	CO6
		M_z	27.14	25.36	-273.00	0.00	0.00	-2.26	CO6
			27.08	22.88	-292.98	0.00	0.00	-2.26	CO8
Extremes			27.14	25.36	-273.00	0.00	0.00	-2.26	
709			27.08	22.88	-292.98	0.00	0.00	-2.26	
710	S Ch DS2	P_x	28.21	28.87	-261.05	0.00	0.00	1.54	CO6
			22.44	28.84	-283.13	0.00	0.00	1.55	CO8
		P_y	28.21	28.87	-261.05	0.00	0.00	1.54	CO6
			22.44	28.84	-283.13	0.00	0.00	1.55	CO8
		P_z	28.21	28.87	-261.05	0.00	0.00	1.54	CO6
			22.44	28.84	-283.13	0.00	0.00	1.55	CO8
		M_x	28.21	28.87	-261.05	0.00	0.00	1.54	CO6
			28.21	28.87	-261.05	0.00	0.00	1.54	CO6
		M_y	28.21	28.87	-261.05	0.00	0.00	1.54	CO6
			28.21	28.87	-261.05	0.00	0.00	1.54	CO6
		M_z	22.44	28.84	-283.13	0.00	0.00	1.55	CO8
			28.21	28.87	-261.05	0.00	0.00	1.54	CO6
Extremes			28.21	28.87	-261.05	0.00	0.00	1.55	
710			22.44	28.84	-283.13	0.00	0.00	1.54	

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	SCh DS2	P_x	53.34	29.26	-299.39	0.00	0.00	-1.53	CO9
			50.25	29.23	-316.75	0.00	0.00	-1.54	CO7
		P_y	53.34	29.26	-299.39	0.00	0.00	-1.53	CO9
			50.25	29.23	-316.75	0.00	0.00	-1.54	CO7
		P_z	52.69	29.26	-290.38	0.00	0.00	-1.52	CO6
			50.70	29.23	-323.06	0.00	0.00	-1.54	CO8
		M_x	52.69	29.26	-290.38	0.00	0.00	-1.52	CO6
			52.69	29.26	-290.38	0.00	0.00	-1.52	CO6
		M_y	52.69	29.26	-290.38	0.00	0.00	-1.52	CO6
			52.69	29.26	-290.38	0.00	0.00	-1.52	CO6
		M_z	52.69	29.26	-290.38	0.00	0.00	-1.52	CO6
			50.70	29.23	-323.06	0.00	0.00	-1.54	CO8
Extremes			53.34	29.26	-290.38	0.00	0.00	-1.52	
711			50.25	29.23	-323.06	0.00	0.00	-1.54	
717	SCh DS2	P_x	17.19	33.62	-155.63	0.00	0.00	0.22	CO9
			12.09	33.26	-153.40	0.00	0.00	0.24	CO7
		P_y	16.13	33.65	-165.98	0.00	0.00	0.21	CO10
			13.75	33.22	-138.97	0.00	0.00	0.24	CO6
		P_z	13.75	33.22	-138.97	0.00	0.00	0.24	CO6
			16.13	33.65	-165.98	0.00	0.00	0.21	CO10
		M_x	13.75	33.22	-138.97	0.00	0.00	0.24	CO6
			13.75	33.22	-138.97	0.00	0.00	0.24	CO6
		M_y	13.75	33.22	-138.97	0.00	0.00	0.24	CO6
			13.75	33.22	-138.97	0.00	0.00	0.24	CO6
		M_z	13.75	33.22	-138.97	0.00	0.00	0.24	CO6
			16.13	33.65	-165.98	0.00	0.00	0.21	CO10
Extremes			17.19	33.65	-138.97	0.00	0.00	0.24	
717			12.09	33.22	-165.98	0.00	0.00	0.21	
718	SCh DS2	P_x	20.80	32.68	-153.33	0.00	0.00	0.00	CO9
			18.36	32.19	-147.30	0.00	0.00	0.02	CO7
		P_y	20.19	32.70	-160.27	0.00	0.00	0.00	CO10
			19.36	32.15	-137.24	0.00	0.00	0.01	CO6
		P_z	19.36	32.15	-137.24	0.00	0.00	0.01	CO6
			20.19	32.70	-160.27	0.00	0.00	0.00	CO10
		M_x	19.36	32.15	-137.24	0.00	0.00	0.01	CO6
			19.36	32.15	-137.24	0.00	0.00	0.01	CO6
		M_y	19.36	32.15	-137.24	0.00	0.00	0.01	CO6
			19.36	32.15	-137.24	0.00	0.00	0.01	CO6
		M_z	18.36	32.19	-147.30	0.00	0.00	0.02	CO7
			20.80	32.68	-153.33	0.00	0.00	0.00	CO9
Extremes			20.80	32.70	-137.24	0.00	0.00	0.02	
718			18.36	32.15	-160.27	0.00	0.00	0.00	
719	SCh DS2	P_x	29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
			25.70	32.57	-155.31	0.00	0.00	0.00	CO8
		P_y	25.85	32.72	-156.68	0.00	0.00	0.01	CO10
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
		P_z	29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
			25.85	32.72	-156.68	0.00	0.00	0.01	CO10
		M_x	29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
		M_y	29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
		M_z	25.85	32.72	-156.68	0.00	0.00	0.01	CO10
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO6
Extremes			29.03	32.72	-133.85	0.00	0.00	0.01	
719			25.70	32.19	-156.68	0.00	0.00	-0.01	
720	SCh DS2	P_x	34.04	32.27	-137.43	0.00	0.00	0.01	CO6
			31.47	32.69	-165.19	0.00	0.00	0.03	CO10
		P_y	31.47	32.69	-165.19	0.00	0.00	0.03	CO10
			34.04	32.27	-137.43	0.00	0.00	0.01	CO6
		P_z	34.04	32.27	-137.43	0.00	0.00	0.01	CO6
			31.47	32.69	-165.19	0.00	0.00	0.03	CO10
		M_x	34.04	32.27	-137.43	0.00	0.00	0.01	CO6
			34.04	32.27	-137.43	0.00	0.00	0.01	CO6
		M_y	34.04	32.27	-137.43	0.00	0.00	0.01	CO6
			34.04	32.27	-137.43	0.00	0.00	0.01	CO6
		M_z	31.47	32.69	-165.19	0.00	0.00	0.03	CO10
			34.04	32.27	-137.43	0.00	0.00	0.01	CO6
Extremes			34.04	32.69	-137.43	0.00	0.00	0.03	
720			31.47	32.27	-165.19	0.00	0.00	0.01	
721	SCh DS2	P_x	22.62	38.40	-145.80	0.00	0.00	0.20	CO6
			12.59	38.58	-175.30	0.00	0.00	0.28	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
721		P_y	14.99	38.60	-159.24	0.00	0.00	0.27	CO9
			19.04	38.36	-168.84	0.00	0.00	0.22	CO7
		P_z	22.62	38.40	-145.80	0.00	0.00	0.20	CO6
			13.71	38.50	-178.25	0.00	0.00	0.26	CO8
		M_x	22.62	38.40	-145.80	0.00	0.00	0.20	CO6
			22.62	38.40	-145.80	0.00	0.00	0.20	CO6
		M_y	22.62	38.40	-145.80	0.00	0.00	0.20	CO6
			22.62	38.40	-145.80	0.00	0.00	0.20	CO6
		M_z	12.59	38.58	-175.30	0.00	0.00	0.28	CO10
			22.62	38.40	-145.80	0.00	0.00	0.20	CO6
Extremes			22.62	38.60	-145.80	0.00	0.00	0.28	
721			12.59	38.36	-178.25	0.00	0.00	0.20	
747	S Ch DS2	P_x	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO6
			-6.50	0.18	-313.46	-0.66	16.66	0.03	CO8
		P_y	-6.50	0.18	-313.46	-0.66	16.66	0.03	CO8
			-0.75	0.15	-273.27	-0.57	14.06	0.02	CO6
		P_z	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO6
			-6.50	0.18	-313.46	-0.66	16.66	0.03	CO8
		M_x	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO6
			-6.50	0.18	-313.46	-0.66	16.66	0.03	CO8
		M_y	-6.50	0.18	-313.46	-0.66	16.66	0.03	CO8
			-0.75	0.15	-273.27	-0.57	14.06	0.02	CO6
		M_z	-5.89	0.18	-304.79	-0.65	16.11	0.03	CO7
			-1.62	0.16	-285.66	-0.59	14.84	0.02	CO9
Extremes			-0.75	0.18	-273.27	-0.57	16.66	0.03	
747			-6.50	0.15	-313.46	-0.66	14.06	0.02	
749	S Ch DS2	P_x	-0.26	16.07	-218.65	0.00	0.00	0.43	CO7
			-0.30	13.94	-221.40	0.00	0.00	0.46	CO9
		P_y	-0.27	16.85	-226.60	0.00	0.00	0.44	CO8
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO6
		P_z	-0.29	12.83	-210.05	0.00	0.00	0.45	CO6
			-0.28	16.22	-227.42	0.00	0.00	0.45	CO10
		M_x	-0.29	12.83	-210.05	0.00	0.00	0.45	CO6
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO6
		M_y	-0.29	12.83	-210.05	0.00	0.00	0.45	CO6
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO6
		M_z	-0.30	13.94	-221.40	0.00	0.00	0.46	CO9
			-0.26	16.07	-218.65	0.00	0.00	0.43	CO7
Extremes			-0.26	16.85	-210.05	0.00	0.00	0.46	
749			-0.30	12.83	-227.42	0.00	0.00	0.43	
750	S Ch DS2	P_x	0.32	-27.41	-178.09	0.00	0.00	-0.34	CO7
			0.20	-22.28	-163.60	0.00	0.00	-0.25	CO9
		P_y	0.20	-22.28	-163.60	0.00	0.00	-0.25	CO9
			0.32	-27.41	-178.09	0.00	0.00	-0.34	CO7
		P_z	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO6
			0.31	-27.10	-181.08	0.00	0.00	-0.34	CO8
		M_x	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO6
			0.20	-22.74	-159.32	0.00	0.00	-0.25	CO6
		M_y	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO6
			0.20	-22.74	-159.32	0.00	0.00	-0.25	CO6
		M_z	0.20	-22.28	-163.60	0.00	0.00	-0.25	CO9
			0.32	-27.41	-178.09	0.00	0.00	-0.34	CO7
Extremes			0.32	-22.28	-159.32	0.00	0.00	-0.25	
750			0.20	-27.41	-181.08	0.00	0.00	-0.34	
751	S Ch DS2	P_x	8.39	-0.12	-112.12	0.00	0.00	0.01	CO8
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
		P_y	6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
			7.71	-0.14	-109.01	0.00	0.00	0.01	CO10
		P_z	6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
			8.39	-0.12	-112.12	0.00	0.00	0.01	CO8
		M_x	6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
		M_y	6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
		M_z	7.71	-0.14	-109.01	0.00	0.00	0.01	CO10
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO6
Extremes			8.39	-0.04	-98.72	0.00	0.00	0.01	
751			6.03	-0.14	-112.12	0.00	0.00	0.00	
752	S Ch DS2	P_x	3.06	-0.07	-156.03	0.00	0.00	-0.01	CO8
			2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
		P_y	2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
			3.05	-0.09	-152.33	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
752		P_z	2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
			3.06	-0.07	-156.03	0.00	0.00	-0.01	CO8
		M_x	2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
			2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
		M_y	2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
			2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
		M_z	2.34	-0.02	-140.05	0.00	0.00	0.00	CO6
			3.05	-0.09	-152.33	0.00	0.00	-0.02	CO10
Extremes			3.06	-0.02	-140.05	0.00	0.00	0.00	
752			2.34	-0.09	-156.03	0.00	0.00	-0.02	
753	S Ch DS2	P_x	-4.11	-1.67	-229.56	0.00	0.00	-0.03	CO7
			-7.57	-1.67	-236.26	0.00	0.00	-0.03	CO9
		P_y	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO6
			-7.44	-1.72	-247.70	0.00	0.00	-0.03	CO10
		P_z	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO6
			-7.44	-1.72	-247.70	0.00	0.00	-0.03	CO10
		M_x	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO6
			-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO6
		M_y	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO6
			-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO6
		M_z	-7.57	-1.67	-236.26	0.00	0.00	-0.03	CO9
			-4.11	-1.67	-229.56	0.00	0.00	-0.03	CO7
Extremes			-4.11	-1.61	-213.51	0.00	0.00	-0.03	
753			-7.57	-1.72	-247.70	0.00	0.00	-0.03	
754	S Ch DS2	P_x	28.22	-0.56	-174.53	0.00	0.00	0.01	CO8
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
		P_y	24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
			28.22	-0.56	-174.53	0.00	0.00	0.01	CO8
		P_z	24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
			28.22	-0.56	-174.53	0.00	0.00	0.01	CO8
		M_x	24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
		M_y	24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
		M_z	24.71	-0.55	-153.34	0.00	0.00	0.01	CO6
			27.80	-0.55	-171.75	0.00	0.00	0.01	CO10
Extremes			28.22	-0.55	-153.34	0.00	0.00	0.01	
754			24.71	-0.56	-174.53	0.00	0.00	0.01	
772	S Ch DS2	P_x	45.74	1.36	-494.12	-7.91	86.03	-0.16	CO8
			30.71	1.85	-389.59	-7.97	60.06	-0.14	CO6
		P_y	30.71	1.85	-389.59	-7.97	60.06	-0.14	CO6
			45.74	1.36	-494.12	-7.91	86.03	-0.16	CO8
		P_z	30.81	1.84	-389.55	-7.94	60.51	-0.14	CO9
			45.67	1.36	-494.13	-7.93	85.72	-0.16	CO7
		M_x	45.74	1.36	-494.12	-7.91	86.03	-0.16	CO8
			41.29	1.54	-462.91	-8.02	78.47	-0.15	CO10
		M_y	45.74	1.36	-494.12	-7.91	86.03	-0.16	CO8
			30.71	1.85	-389.59	-7.97	60.06	-0.14	CO6
		M_z	30.81	1.84	-389.55	-7.94	60.51	-0.14	CO9
			45.67	1.36	-494.13	-7.93	85.72	-0.16	CO7
Extremes			45.74	1.85	-389.55	-7.91	86.03	-0.14	
772			30.71	1.36	-494.13	-8.02	60.06	-0.16	
779	S Ch DS2	P_x	3.70	-30.10	-77.76	0.00	0.00	0.40	CO8
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO6
		P_y	3.61	-29.19	-76.95	0.00	0.00	0.30	CO6
			3.68	-30.35	-78.17	0.00	0.00	0.38	CO10
		P_z	3.70	-29.39	-76.84	0.00	0.00	0.40	CO7
			3.62	-30.20	-78.25	0.00	0.00	0.31	CO9
		M_x	3.61	-29.19	-76.95	0.00	0.00	0.30	CO6
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO6
		M_y	3.61	-29.19	-76.95	0.00	0.00	0.30	CO6
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO6
		M_z	3.70	-30.10	-77.76	0.00	0.00	0.40	CO8
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO6
Extremes			3.70	-29.19	-76.84	0.00	0.00	0.40	
779			3.61	-30.35	-78.25	0.00	0.00	0.30	
783	S Ch DS2	P_x	35.67	-0.21	-122.22	0.00	0.00	0.07	CO8
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO6
		P_y	32.58	-0.15	-106.99	0.00	0.00	0.05	CO9
			35.18	-0.21	-121.09	0.00	0.00	0.07	CO7
		P_z	31.88	-0.15	-105.38	0.00	0.00	0.05	CO6
			35.67	-0.21	-122.22	0.00	0.00	0.07	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
783		M_x	31.88	-0.15	-105.38	0.00	0.00	0.05	CO6
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO6
		M_y	31.88	-0.15	-105.38	0.00	0.00	0.05	CO6
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO6
		M_z	35.18	-0.21	-121.09	0.00	0.00	0.07	CO7
			32.58	-0.15	-106.99	0.00	0.00	0.05	CO9
Extremes			35.67	-0.15	-105.38	0.00	0.00	0.07	
783			31.88	-0.21	-122.22	0.00	0.00	0.05	
785	S Ch DS2	P_x	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
			-74.25	17.67	-233.69	0.00	0.00	-2.78	CO8
		P_y	-71.34	17.81	-230.08	0.00	0.00	-2.73	CO10
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
		P_z	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
			-74.25	17.67	-233.69	0.00	0.00	-2.78	CO8
		M_x	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
		M_y	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
		M_z	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO6
			-74.25	17.67	-233.69	0.00	0.00	-2.78	CO8
Extremes			-63.15	17.81	-214.71	0.00	0.00	-2.43	
785			-74.25	15.59	-233.69	0.00	0.00	-2.78	
799	S Ch DS2	P_x	60.66	-1.40	-353.96	0.00	0.00	0.11	CO8
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO6
		P_y	53.10	-1.28	-310.12	0.00	0.00	0.11	CO6
			60.66	-1.40	-353.96	0.00	0.00	0.11	CO8
		P_z	53.10	-1.28	-310.12	0.00	0.00	0.11	CO6
			59.83	-1.40	-355.86	0.00	0.00	0.11	CO10
		M_x	53.10	-1.28	-310.12	0.00	0.00	0.11	CO6
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO6
		M_y	53.10	-1.28	-310.12	0.00	0.00	0.11	CO6
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO6
		M_z	56.24	-1.34	-339.70	0.00	0.00	0.11	CO9
			58.47	-1.36	-333.26	0.00	0.00	0.11	CO7
Extremes			60.66	-1.28	-310.12	0.00	0.00	0.11	
799			53.10	-1.40	-355.86	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Ch DS2	P_x	133.74	-2.41	-565.65	-11.63	29.59	0.38	CO8
322			-112.28	12.90	-201.65	0.00	0.00	-3.41	CO8
135		P_y	1.65	82.02	-232.17	0.00	0.00	1.09	CO8
548			-37.59	-67.11	-165.77	0.00	0.00	1.11	CO10
138		P_z	37.69	-36.43	-52.35	0.00	0.00	0.28	CO7
377			1.21	-20.85	-668.61	-19.30	-0.24	-0.94	CO8
343		M_x	121.61	-12.22	-265.43	17.26	-12.42	2.35	CO7
57			43.65	62.97	-268.55	-46.26	5.63	0.07	CO7
772		M_y	45.74	1.36	-494.12	-7.91	86.03	-0.16	CO8
419			-64.89	5.52	-254.34	-1.57	-31.32	0.43	CO10
417		M_z	-32.88	-7.79	-70.73	-3.11	-10.46	5.15	CO9
71			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO6
20	S Fr DS3	P_x	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO11
			-59.88	-2.21	-501.62	-7.54	19.02	1.97	CO13
		P_y	-59.43	-2.19	-496.35	-7.47	18.86	1.96	CO12
			-56.81	-2.73	-484.16	-7.28	18.37	1.84	CO14
		P_z	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO11
			-59.88	-2.21	-501.62	-7.54	19.02	1.97	CO13
		M_x	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO11
			-59.88	-2.21	-501.62	-7.54	19.02	1.97	CO13
		M_y	-59.88	-2.21	-501.62	-7.54	19.02	1.97	CO13
			-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO11
		M_z	-59.88	-2.21	-501.62	-7.54	19.02	1.97	CO13
			-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO11
Extremes			-55.67	-2.19	-470.99	-7.10	19.02	1.97	
20			-59.88	-2.73	-501.62	-7.54	17.97	1.80	
25	S Fr DS3	P_x	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO11
			-4.00	-3.88	-441.00	5.47	-20.49	-1.97	CO13
		P_y	-3.54	-3.84	-440.43	5.44	-19.59	-1.99	CO14
			-3.97	-3.89	-428.38	5.48	-20.32	-1.95	CO12
		P_z	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO11
			-3.85	-3.85	-452.17	5.44	-20.28	-1.99	CO15
		M_x	-3.97	-3.89	-428.38	5.48	-20.32	-1.95	CO12
			-3.54	-3.84	-440.43	5.44	-19.59	-1.99	CO14
		M_y	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	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
25		M_y	-4.00	-3.88	-441.00	5.47	-20.49	-1.97	CO13
		M_z	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO11
			-3.85	-3.85	-452.17	5.44	-20.28	-1.99	CO15
Extremes			-3.47	-3.84	-408.87	5.48	-19.17	-1.94	
25			-4.00	-3.89	-452.17	5.44	-20.49	-1.99	
32	S Fr DS3	P_x	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO11
			-22.78	-5.22	-363.60	5.84	-9.47	-0.47	CO15
		P_y	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO11
			-22.78	-5.22	-363.60	5.84	-9.47	-0.47	CO15
		P_z	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO11
			-22.78	-5.22	-363.60	5.84	-9.47	-0.47	CO15
		M_x	-22.78	-5.22	-363.60	5.84	-9.47	-0.47	CO15
			-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO11
		M_y	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO11
			-22.07	-5.21	-359.59	5.83	-9.61	-0.46	CO13
		M_z	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO11
			-22.78	-5.22	-363.60	5.84	-9.47	-0.47	CO15
Extremes			-20.65	-5.13	-339.25	5.84	-9.08	-0.46	
32			-22.78	-5.22	-363.60	5.79	-9.61	-0.47	
39	S Fr DS3	P_x	124.67	-1.89	-531.25	-11.10	28.08	0.38	CO15
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO11
		P_y	122.02	-1.62	-520.82	-10.95	27.56	0.37	CO14
			121.90	-2.44	-518.16	-10.77	27.81	0.37	CO12
		P_z	117.36	-1.98	-500.55	-10.52	26.94	0.37	CO11
			124.67	-1.89	-531.25	-11.10	28.08	0.38	CO15
		M_x	117.36	-1.98	-500.55	-10.52	26.94	0.37	CO11
			124.67	-1.89	-531.25	-11.10	28.08	0.38	CO15
		M_y	124.67	-1.89	-531.25	-11.10	28.08	0.38	CO15
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO11
		M_z	124.67	-1.89	-531.25	-11.10	28.08	0.38	CO15
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO11
Extremes			124.67	-1.62	-500.55	-10.52	28.08	0.38	
39			117.36	-2.44	-531.25	-11.10	26.94	0.37	
45	S Fr DS3	P_x	-2.39	-0.43	-356.58	-2.20	10.61	0.16	CO14
			-2.92	-0.40	-342.92	-2.31	11.34	0.15	CO12
		P_y	-2.55	-0.38	-364.60	-2.33	10.97	0.16	CO15
			-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO11
		P_z	-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO11
			-2.55	-0.38	-364.60	-2.33	10.97	0.16	CO15
		M_x	-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO11
			-2.81	-0.38	-353.75	-2.35	11.30	0.16	CO13
		M_y	-2.92	-0.40	-342.92	-2.31	11.34	0.15	CO12
			-2.39	-0.43	-356.58	-2.20	10.61	0.16	CO14
		M_z	-2.39	-0.43	-356.58	-2.20	10.61	0.16	CO14
			-2.92	-0.40	-342.92	-2.31	11.34	0.15	CO12
Extremes			-2.39	-0.38	-329.50	-2.09	11.34	0.16	
45			-2.92	-0.48	-364.60	-2.35	10.61	0.15	
51	S Fr DS3	P_x	22.44	61.57	-277.06	-42.81	2.91	-0.02	CO14
			19.35	61.36	-268.64	-43.53	2.55	-0.07	CO12
		P_y	21.66	61.59	-283.10	-42.71	2.84	-0.01	CO15
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO11
		P_z	20.62	61.33	-258.70	-43.68	2.67	-0.08	CO11
			21.66	61.59	-283.10	-42.71	2.84	-0.01	CO15
		M_x	21.66	61.59	-283.10	-42.71	2.84	-0.01	CO15
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO11
		M_y	22.44	61.57	-277.06	-42.81	2.91	-0.02	CO14
			19.35	61.36	-268.64	-43.53	2.55	-0.07	CO12
		M_z	21.66	61.59	-283.10	-42.71	2.84	-0.01	CO15
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO11
Extremes			22.44	61.59	-258.70	-42.71	2.91	-0.01	
51			19.35	61.33	-283.10	-43.68	2.55	-0.08	
54	S Fr DS3	P_x	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO11
			33.95	61.97	-267.03	-44.28	4.46	-0.08	CO13
		P_y	33.95	61.97	-267.03	-44.28	4.46	-0.08	CO13
			34.76	61.88	-249.61	-44.86	4.56	-0.06	CO11
		P_z	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO11
			34.17	61.93	-274.03	-43.41	4.49	-0.07	CO15
		M_x	34.17	61.93	-274.03	-43.41	4.49	-0.07	CO15
			34.76	61.88	-249.61	-44.86	4.56	-0.06	CO11
		M_y	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO11
			33.95	61.97	-267.03	-44.28	4.46	-0.08	CO13
		M_z	34.54	61.88	-268.02	-43.43	4.54	-0.05	CO14

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_z	34.04	61.96	-259.67	-44.85	4.46	-0.08	CO12
Extremes			34.76	61.97	-249.61	-43.41	4.56	-0.05	
54			33.95	61.88	-274.03	-44.86	4.46	-0.08	
57	S Fr DS3	P_x	46.52	62.38	-248.32	-45.33	6.03	0.10	CO11
			44.32	62.87	-272.20	-44.88	5.71	0.01	CO15
		P_y	44.32	62.87	-272.20	-44.88	5.71	0.01	CO15
			46.52	62.38	-248.32	-45.33	6.03	0.10	CO11
		P_z	46.52	62.38	-248.32	-45.33	6.03	0.10	CO11
			44.32	62.87	-272.20	-44.88	5.71	0.01	CO15
		M_x	44.92	62.70	-266.15	-44.61	5.80	0.03	CO14
			45.42	62.67	-258.41	-45.78	5.87	0.08	CO12
		M_y	46.52	62.38	-248.32	-45.33	6.03	0.10	CO11
			44.32	62.87	-272.20	-44.88	5.71	0.01	CO15
		M_z	46.52	62.38	-248.32	-45.33	6.03	0.10	CO11
			44.32	62.87	-272.20	-44.88	5.71	0.01	CO15
Extremes			46.52	62.87	-248.32	-44.61	6.03	0.10	
57			44.32	62.38	-272.20	-45.78	5.71	0.01	
60	S Fr DS3	P_x	48.94	63.38	-282.61	-42.28	6.27	-1.17	CO12
			45.74	64.33	-290.32	-42.86	5.95	-1.26	CO14
		P_y	46.04	64.53	-300.03	-43.20	5.93	-1.25	CO15
			48.51	63.06	-266.41	-41.73	6.29	-1.18	CO11
		P_z	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO11
			46.04	64.53	-300.03	-43.20	5.93	-1.25	CO15
		M_x	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO11
			46.04	64.53	-300.03	-43.20	5.93	-1.25	CO15
		M_y	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO11
			46.04	64.53	-300.03	-43.20	5.93	-1.25	CO15
		M_z	48.94	63.38	-282.61	-42.28	6.27	-1.17	CO12
			45.74	64.33	-290.32	-42.86	5.95	-1.26	CO14
Extremes			48.94	64.53	-266.41	-41.73	6.29	-1.17	
60			45.74	63.06	-300.03	-43.20	5.93	-1.26	
71	S Fr DS3	P_x	-2.14	41.34	-314.00	-2.58	-26.97	-5.76	CO13
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO11
		P_y	-2.14	41.34	-314.00	-2.58	-26.97	-5.76	CO13
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO11
		P_z	-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO11
			-2.14	41.34	-314.00	-2.58	-26.97	-5.76	CO13
		M_x	-5.11	36.95	-300.04	-2.22	-26.12	-5.85	CO14
			-2.23	41.15	-312.54	-2.58	-26.94	-5.76	CO12
		M_y	-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO11
			-2.14	41.34	-314.00	-2.58	-26.97	-5.76	CO13
		M_z	-2.14	41.34	-314.00	-2.58	-26.97	-5.76	CO13
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO11
Extremes			-2.14	41.34	-296.40	-2.22	-26.05	-5.76	
71			-5.35	36.47	-314.00	-2.58	-26.97	-5.85	
72	S Fr DS3	P_x	18.73	-1.31	-311.44	0.57	-8.20	0.08	CO13
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO11
		P_y	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO11
			18.54	-1.72	-326.30	1.16	-8.16	0.10	CO15
		P_z	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO11
			18.54	-1.72	-326.30	1.16	-8.16	0.10	CO15
		M_x	18.54	-1.72	-326.30	1.16	-8.16	0.10	CO15
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO11
		M_y	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO11
			18.73	-1.31	-311.44	0.57	-8.20	0.08	CO13
		M_z	18.54	-1.72	-326.30	1.16	-8.16	0.10	CO15
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO11
Extremes			18.73	-0.91	-282.15	1.16	-8.04	0.10	
72			17.95	-1.72	-326.30	0.06	-8.20	0.06	
74	S Fr DS3	P_x	10.68	-11.64	-183.07	0.00	0.00	0.01	CO15
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO11
		P_y	10.42	-11.09	-180.75	0.00	0.00	0.01	CO12
			10.58	-12.00	-180.16	0.00	0.00	0.01	CO14
		P_z	10.23	-11.69	-175.88	0.00	0.00	0.01	CO11
			10.68	-11.64	-183.07	0.00	0.00	0.01	CO15
		M_x	10.23	-11.69	-175.88	0.00	0.00	0.01	CO11
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO11
		M_y	10.23	-11.69	-175.88	0.00	0.00	0.01	CO11
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO11
		M_z	10.56	-11.21	-182.47	0.00	0.00	0.01	CO13
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO11
Extremes			10.68	-11.09	-175.88	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
74			10.23	-12.00	-183.07	0.00	0.00	0.01	
99	S Fr DS3	P_x	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
			-16.31	-29.11	-182.78	0.00	0.00	-3.07	CO15
		P_y	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
			-16.31	-29.11	-182.78	0.00	0.00	-3.07	CO15
		P_z	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
			-16.31	-29.11	-182.78	0.00	0.00	-3.07	CO15
		M_x	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
		M_y	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
		M_z	-16.31	-29.11	-182.78	0.00	0.00	-3.07	CO15
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO11
Extremes			-15.78	-29.02	-178.19	0.00	0.00	-3.07	
99			-16.31	-29.11	-182.78	0.00	0.00	-3.10	
100	S Fr DS3	P_x	72.64	-32.07	-213.44	0.00	0.00	-0.45	CO13
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
		P_y	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
			72.64	-32.07	-213.44	0.00	0.00	-0.45	CO13
		P_z	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
			72.64	-32.07	-213.44	0.00	0.00	-0.45	CO13
		M_x	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
		M_y	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
		M_z	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO11
			72.64	-32.07	-213.44	0.00	0.00	-0.45	CO13
Extremes			72.64	-30.40	-200.72	0.00	0.00	-0.42	
100			68.63	-32.07	-213.44	0.00	0.00	-0.45	
101	S Fr DS3	P_x	75.73	22.05	-166.44	0.00	0.00	0.66	CO15
			72.52	21.03	-158.91	0.00	0.00	0.65	CO11
		P_y	75.38	22.34	-166.19	0.00	0.00	0.63	CO13
			72.52	21.03	-158.91	0.00	0.00	0.65	CO11
		P_z	72.52	21.03	-158.91	0.00	0.00	0.65	CO11
			75.73	22.05	-166.44	0.00	0.00	0.66	CO15
		M_x	72.52	21.03	-158.91	0.00	0.00	0.65	CO11
			72.52	21.03	-158.91	0.00	0.00	0.65	CO11
		M_y	72.52	21.03	-158.91	0.00	0.00	0.65	CO11
			72.52	21.03	-158.91	0.00	0.00	0.65	CO11
		M_z	74.49	21.34	-163.07	0.00	0.00	0.68	CO14
			74.59	22.22	-164.52	0.00	0.00	0.62	CO12
Extremes			75.73	22.34	-158.91	0.00	0.00	0.68	
101			72.52	21.03	-166.44	0.00	0.00	0.62	
135	S Fr DS3	P_x	3.79	72.40	-205.65	0.00	0.00	1.18	CO11
			2.80	76.79	-217.77	0.00	0.00	1.13	CO13
		P_y	2.80	76.79	-217.77	0.00	0.00	1.13	CO13
			3.79	72.40	-205.65	0.00	0.00	1.18	CO11
		P_z	3.79	72.40	-205.65	0.00	0.00	1.18	CO11
			2.80	76.79	-217.77	0.00	0.00	1.13	CO13
		M_x	3.79	72.40	-205.65	0.00	0.00	1.18	CO11
			3.79	72.40	-205.65	0.00	0.00	1.18	CO11
		M_y	3.79	72.40	-205.65	0.00	0.00	1.18	CO11
			3.79	72.40	-205.65	0.00	0.00	1.18	CO11
		M_z	3.79	72.40	-205.65	0.00	0.00	1.18	CO11
			2.80	76.79	-217.77	0.00	0.00	1.13	CO13
Extremes			3.79	76.79	-205.65	0.00	0.00	1.18	
135			2.80	72.40	-217.77	0.00	0.00	1.13	
138	S Fr DS3	P_x	39.04	-36.72	-55.65	0.00	0.00	0.24	CO14
			38.20	-36.60	-53.96	0.00	0.00	0.26	CO12
		P_y	38.33	-36.57	-53.98	0.00	0.00	0.26	CO13
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO11
		P_z	38.20	-36.60	-53.96	0.00	0.00	0.26	CO12
			39.04	-36.72	-55.65	0.00	0.00	0.24	CO14
		M_x	38.73	-36.77	-55.59	0.00	0.00	0.24	CO11
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO11
		M_y	38.73	-36.77	-55.59	0.00	0.00	0.24	CO11
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO11
		M_z	38.33	-36.57	-53.98	0.00	0.00	0.26	CO13
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO11
Extremes			39.04	-36.57	-53.96	0.00	0.00	0.26	
138			38.20	-36.77	-55.65	0.00	0.00	0.24	

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
139	SFr DS3	P_x	-16.36	-16.10	-159.82	0.00	0.00	-2.14	CO12
			-17.23	-15.85	-164.91	0.00	0.00	-2.14	CO14
		P_y	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO11
			-16.65	-16.12	-161.72	0.00	0.00	-2.14	CO13
		P_z	-16.36	-16.10	-159.82	0.00	0.00	-2.14	CO12
			-17.23	-15.85	-164.91	0.00	0.00	-2.14	CO14
		M_x	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO11
			-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO11
		M_y	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO11
			-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO11
		M_z	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO11
			-17.15	-16.02	-164.71	0.00	0.00	-2.14	CO15
Extremes			-16.36	-15.81	-159.82	0.00	0.00	-2.13	
139			-17.23	-16.12	-164.91	0.00	0.00	-2.14	
286	SFr DS3	P_x	-0.63	1.53	-348.28	-1.15	-0.11	0.01	CO13
			-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO11
		P_y	-0.66	2.89	-336.85	-1.29	-0.20	0.03	CO14
			-0.63	1.22	-345.60	-1.11	-0.11	0.01	CO12
		P_z	-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO11
			-0.63	1.53	-348.28	-1.15	-0.11	0.01	CO13
		M_x	-0.63	1.22	-345.60	-1.11	-0.11	0.01	CO12
			-0.66	2.89	-336.85	-1.29	-0.20	0.03	CO14
		M_y	-0.63	1.53	-348.28	-1.15	-0.11	0.01	CO13
			-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO11
		M_z	-0.66	2.89	-336.85	-1.29	-0.20	0.03	CO14
			-0.63	1.22	-345.60	-1.11	-0.11	0.01	CO12
Extremes			-0.63	2.89	-330.14	-1.11	-0.11	0.03	
286			-0.66	1.22	-348.28	-1.29	-0.21	0.01	
322	SFr DS3	P_x	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
			-106.12	12.19	-191.76	0.00	0.00	-3.22	CO15
		P_y	-105.99	12.24	-191.36	0.00	0.00	-3.22	CO13
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
		P_z	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
			-106.12	12.19	-191.76	0.00	0.00	-3.22	CO15
		M_x	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
		M_y	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
		M_z	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO11
			-106.12	12.19	-191.76	0.00	0.00	-3.22	CO15
Extremes			-101.26	12.24	-183.73	0.00	0.00	-3.07	
322			-106.12	11.70	-191.76	0.00	0.00	-3.22	
340	SFr DS3	P_x	-73.74	0.75	-183.00	-1.30	7.18	0.20	CO14
			-80.41	0.98	-198.75	-1.53	7.80	0.24	CO12
		P_y	-80.40	0.99	-198.72	-1.53	7.80	0.24	CO13
			-73.76	0.75	-183.07	-1.31	7.18	0.20	CO11
		P_z	-73.74	0.75	-183.00	-1.30	7.18	0.20	CO14
			-80.41	0.98	-198.75	-1.53	7.80	0.24	CO12
		M_x	-73.74	0.75	-183.00	-1.30	7.18	0.20	CO14
			-80.41	0.98	-198.75	-1.53	7.80	0.24	CO12
		M_y	-80.41	0.98	-198.75	-1.53	7.80	0.24	CO12
			-73.74	0.75	-183.00	-1.30	7.18	0.20	CO14
		M_z	-80.41	0.98	-198.75	-1.53	7.80	0.24	CO12
			-73.74	0.75	-183.00	-1.30	7.18	0.20	CO14
Extremes			-73.74	0.99	-183.00	-1.30	7.80	0.24	
340			-80.41	0.75	-198.75	-1.53	7.18	0.20	
341	SFr DS3	P_x	123.31	0.92	-237.37	-1.51	-7.57	-0.23	CO13
			113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO11
		P_y	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO11
			123.31	0.92	-237.37	-1.51	-7.57	-0.23	CO13
		P_z	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO11
			123.31	0.92	-237.37	-1.51	-7.57	-0.23	CO13
		M_x	113.60	0.93	-218.06	-1.36	-6.96	-0.21	CO14
			123.31	0.92	-237.35	-1.51	-7.57	-0.23	CO12
		M_y	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO11
			123.31	0.92	-237.37	-1.51	-7.57	-0.23	CO13
		M_z	113.60	0.93	-218.06	-1.36	-6.96	-0.21	CO14
			123.31	0.92	-237.35	-1.51	-7.57	-0.23	CO12
Extremes			123.31	0.94	-218.00	-1.36	-6.96	-0.21	
341			113.59	0.92	-237.37	-1.51	-7.57	-0.23	
342	SFr DS3	P_x	-85.44	-8.30	-210.63	13.04	10.38	-1.81	CO14
			-98.39	-9.97	-240.57	15.63	11.80	-2.16	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
342		P_y	-85.44	-8.30	-210.63	13.04	10.38	-1.81	CO14
			-98.39	-9.97	-240.57	15.63	11.80	-2.16	CO12
		P_z	-85.44	-8.30	-210.63	13.04	10.38	-1.81	CO14
			-98.39	-9.97	-240.57	15.63	11.80	-2.16	CO12
		M_x	-98.39	-9.97	-240.57	15.63	11.80	-2.16	CO12
			-85.44	-8.30	-210.63	13.04	10.38	-1.81	CO14
		M_y	-98.39	-9.97	-240.57	15.63	11.80	-2.16	CO12
			-85.44	-8.30	-210.63	13.04	10.38	-1.81	CO14
		M_z	-85.44	-8.30	-210.63	13.04	10.38	-1.81	CO14
			-98.39	-9.97	-240.57	15.63	11.80	-2.16	CO12
Extremes			-85.44	-8.30	-210.63	15.63	11.80	-1.81	
342			-98.39	-9.97	-240.57	13.04	10.38	-2.16	
343	S Fr DS3	P_x	111.72	-11.23	-242.36	15.98	-11.32	2.18	CO13
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO11
		P_y	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO11
			111.72	-11.23	-242.36	15.98	-11.32	2.18	CO13
		P_z	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO11
			111.72	-11.23	-242.36	15.98	-11.32	2.18	CO13
		M_x	111.72	-11.23	-242.32	15.98	-11.31	2.18	CO12
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO11
		M_y	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO11
			111.72	-11.23	-242.36	15.98	-11.32	2.18	CO13
		M_z	111.72	-11.23	-242.32	15.98	-11.31	2.18	CO12
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO11
Extremes			111.72	-9.45	-215.05	15.98	-9.99	2.18	
343			99.80	-11.23	-242.36	13.36	-11.32	1.83	
365	S Fr DS3	P_x	-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
			-39.68	25.66	-461.20	0.00	0.00	0.58	CO13
		P_y	-39.68	25.66	-461.20	0.00	0.00	0.58	CO13
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
		P_z	-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
			-39.68	25.66	-461.20	0.00	0.00	0.58	CO13
		M_x	-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
		M_y	-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
		M_z	-39.68	25.66	-461.20	0.00	0.00	0.58	CO13
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO11
Extremes			-34.38	25.66	-438.95	0.00	0.00	0.58	
365			-39.68	24.20	-461.20	0.00	0.00	0.56	
370	S Fr DS3	P_x	107.38	55.74	-570.52	-20.88	-0.22	0.01	CO13
			104.40	54.97	-537.00	-19.38	0.30	0.03	CO11
		P_y	106.87	55.75	-567.16	-20.81	-0.20	0.02	CO12
			105.69	54.93	-545.40	-19.54	0.24	0.03	CO14
		P_z	104.40	54.97	-537.00	-19.38	0.30	0.03	CO11
			107.38	55.74	-570.52	-20.88	-0.22	0.01	CO13
		M_x	104.40	54.97	-537.00	-19.38	0.30	0.03	CO11
			107.38	55.74	-570.52	-20.88	-0.22	0.01	CO13
		M_y	104.40	54.97	-537.00	-19.38	0.30	0.03	CO11
			107.38	55.74	-570.52	-20.88	-0.22	0.01	CO13
		M_z	104.40	54.97	-537.00	-19.38	0.30	0.03	CO11
			107.38	55.74	-570.52	-20.88	-0.22	0.01	CO13
Extremes			107.38	55.75	-537.00	-19.38	0.30	0.03	
370			104.40	54.93	-570.52	-20.88	-0.22	0.01	
372	S Fr DS3	P_x	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO11
			-0.09	5.74	-542.07	-1.32	0.33	0.03	CO15
		P_y	-0.03	6.15	-547.08	-1.35	0.39	0.03	CO12
			-0.07	5.34	-514.77	-1.26	0.34	0.03	CO14
		P_z	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO11
			-0.06	6.08	-552.36	-1.35	0.36	0.03	CO13
		M_x	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO11
			-0.06	6.08	-552.36	-1.35	0.36	0.03	CO13
		M_y	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO11
			-0.09	5.74	-542.07	-1.32	0.33	0.03	CO15
		M_z	-0.06	6.08	-552.36	-1.35	0.36	0.03	CO13
			-0.01	5.51	-501.56	-1.26	0.42	0.03	CO11
Extremes			-0.01	6.15	-501.56	-1.26	0.42	0.03	
372			-0.09	5.34	-552.36	-1.35	0.33	0.03	
377	S Fr DS3	P_x	1.19	-20.67	-605.48	-18.14	-0.11	-0.88	CO12
			1.15	-23.49	-574.55	-18.05	-0.11	-0.87	CO14
		P_y	1.19	-20.67	-605.48	-18.14	-0.11	-0.88	CO12
			1.15	-23.49	-574.55	-18.05	-0.11	-0.87	CO14

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_z	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO11
			1.18	-21.14	-610.86	-18.32	-0.13	-0.89	CO13
		M_x	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO11
			1.17	-22.49	-601.18	-18.38	-0.14	-0.89	CO15
		M_y	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO11
			1.17	-22.49	-601.18	-18.38	-0.14	-0.89	CO15
		M_z	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO11
			1.17	-22.49	-601.18	-18.38	-0.14	-0.89	CO15
Extremes			1.19	-20.67	-561.11	-17.60	-0.05	-0.85	
377			1.15	-23.49	-610.86	-18.38	-0.14	-0.89	
415	S Fr DS3	P_x	-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO11
			-90.32	60.69	-336.11	1.20	-5.47	-3.84	CO13
		P_y	-90.32	60.69	-336.11	1.20	-5.47	-3.84	CO13
			-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO11
		P_z	-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO11
			-90.32	60.69	-336.11	1.20	-5.47	-3.84	CO13
		M_x	-89.90	59.29	-328.06	1.21	-5.60	-3.84	CO15
			-90.04	60.49	-335.55	1.20	-5.45	-3.85	CO12
		M_y	-90.04	60.49	-335.55	1.20	-5.45	-3.85	CO12
			-88.59	56.92	-314.80	1.20	-5.73	-3.85	CO14
		M_z	-89.90	59.29	-328.06	1.21	-5.60	-3.84	CO15
			-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO11
Extremes			-87.88	60.69	-313.40	1.21	-5.45	-3.84	
415			-90.32	56.42	-336.11	1.20	-5.73	-3.85	
417	S Fr DS3	P_x	-31.32	-7.01	-67.45	-3.15	-10.30	5.12	CO12
			-32.70	-6.99	-68.01	-3.13	-10.34	5.14	CO14
		P_y	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO11
			-32.01	-7.44	-69.14	-3.13	-10.39	5.14	CO15
		P_z	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO11
			-32.01	-7.44	-69.14	-3.13	-10.39	5.14	CO15
		M_x	-32.70	-6.99	-68.01	-3.13	-10.34	5.14	CO14
			-31.32	-7.01	-67.45	-3.15	-10.30	5.12	CO12
		M_y	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO11
			-32.01	-7.44	-69.14	-3.13	-10.39	5.14	CO15
		M_z	-32.70	-6.99	-68.01	-3.13	-10.34	5.14	CO14
			-31.32	-7.01	-67.45	-3.15	-10.30	5.12	CO12
Extremes			-31.32	-6.19	-65.30	-3.13	-10.23	5.14	
417			-32.70	-7.44	-69.14	-3.15	-10.39	5.12	
419	S Fr DS3	P_x	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO11
			-64.48	6.70	-241.34	-1.63	-30.97	0.40	CO15
		P_y	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO11
			-64.48	6.70	-241.34	-1.63	-30.97	0.40	CO15
		P_z	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO11
			-64.26	6.87	-243.29	-1.67	-30.78	0.39	CO13
		M_x	-64.45	7.13	-234.95	-1.62	-30.92	0.40	CO14
			-64.11	7.16	-241.68	-1.70	-30.64	0.38	CO12
		M_y	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO11
			-64.48	6.70	-241.34	-1.63	-30.97	0.40	CO15
		M_z	-64.48	6.70	-241.34	-1.63	-30.97	0.40	CO15
			-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO11
Extremes			-64.06	7.85	-230.92	-1.62	-30.57	0.40	
419			-64.48	6.70	-243.29	-1.70	-30.97	0.38	
422	S Fr DS3	P_x	-1.39	11.56	-186.66	-1.82	0.60	-1.20	CO13
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO11
		P_y	-1.39	11.56	-186.66	-1.82	0.60	-1.20	CO13
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO11
		P_z	-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO11
			-1.39	11.56	-186.66	-1.82	0.60	-1.20	CO13
		M_x	-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO11
			-1.39	11.56	-186.66	-1.82	0.60	-1.20	CO13
		M_y	-1.39	11.56	-186.66	-1.82	0.60	-1.20	CO13
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO11
		M_z	-1.45	11.48	-185.86	-1.81	0.58	-1.19	CO12
			-1.69	9.50	-181.98	-1.59	0.30	-1.27	CO14
Extremes			-1.39	11.56	-180.00	-1.57	0.60	-1.19	
422			-1.84	9.30	-186.66	-1.82	0.24	-1.27	
424	S Fr DS3	P_x	-62.13	8.18	-295.67	-1.20	-26.69	-0.81	CO12
			-62.70	7.20	-282.06	-1.05	-27.27	-0.76	CO14
		P_y	-62.13	8.18	-295.67	-1.20	-26.69	-0.81	CO12
			-62.70	7.20	-282.06	-1.05	-27.27	-0.76	CO14
		P_z	-62.30	7.46	-277.01	-1.08	-26.92	-0.73	CO11
			-62.29	8.08	-297.69	-1.19	-26.83	-0.82	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
424		M_x	-62.70	7.20	-282.06	-1.05	-27.27	-0.76	CO14
			-62.13	8.18	-295.67	-1.20	-26.69	-0.81	CO12
		M_y	-62.13	8.18	-295.67	-1.20	-26.69	-0.81	CO12
			-62.70	7.20	-282.06	-1.05	-27.27	-0.76	CO14
		M_z	-62.30	7.46	-277.01	-1.08	-26.92	-0.73	CO11
			-62.29	8.08	-297.69	-1.19	-26.83	-0.82	CO13
Extremes			-62.13	8.18	-277.01	-1.05	-26.69	-0.73	
424			-62.70	7.20	-297.69	-1.20	-27.27	-0.82	
443	S Fr DS3	P_x	24.21	-20.59	-243.06	-6.83	-3.17	3.76	CO15
			18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO11
		P_y	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO11
			24.21	-20.59	-243.06	-6.83	-3.17	3.76	CO15
		P_z	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO11
			24.21	-20.59	-243.06	-6.83	-3.17	3.76	CO15
		M_x	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO11
			22.46	-20.34	-238.86	-6.95	-3.35	3.78	CO13
		M_y	24.21	-20.59	-243.06	-6.83	-3.17	3.76	CO15
			18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO11
		M_z	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO11
			24.21	-20.59	-243.06	-6.83	-3.17	3.76	CO15
Extremes			24.21	-19.77	-230.12	-6.47	-3.17	3.80	
443			18.68	-20.59	-243.06	-6.95	-3.68	3.76	
445	S Fr DS3	P_x	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO11
			-9.13	-36.46	-220.82	-6.67	5.99	2.85	CO13
		P_y	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO11
			-9.13	-36.46	-220.82	-6.67	5.99	2.85	CO13
		P_z	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO11
			-9.13	-36.46	-220.82	-6.67	5.99	2.85	CO13
		M_x	-9.13	-36.46	-220.82	-6.67	5.99	2.85	CO13
			-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO11
		M_y	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO11
			-8.81	-35.72	-218.64	-6.68	5.98	2.84	CO15
		M_z	-9.13	-36.46	-220.82	-6.67	5.99	2.85	CO13
			-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO11
Extremes			-3.90	-31.89	-206.57	-6.67	6.43	2.85	
445			-9.13	-36.46	-220.82	-6.84	5.98	2.82	
465	S Fr DS3	P_x	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO11
			-1.78	-5.42	-542.76	7.11	-2.08	0.08	CO13
		P_y	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO11
			-1.78	-5.42	-542.76	7.11	-2.08	0.08	CO13
		P_z	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO11
			-1.78	-5.42	-542.76	7.11	-2.08	0.08	CO13
		M_x	-1.78	-5.42	-539.99	7.11	-2.09	0.08	CO12
			-1.49	-4.63	-507.30	6.02	-1.67	0.08	CO14
		M_y	-1.49	-4.63	-507.30	6.02	-1.67	0.08	CO14
			-1.78	-5.42	-539.99	7.11	-2.09	0.08	CO12
		M_z	-1.49	-4.63	-507.30	6.02	-1.67	0.08	CO14
			-1.78	-5.42	-539.99	7.11	-2.09	0.08	CO12
Extremes			-1.49	-4.62	-500.38	7.11	-1.67	0.08	
465			-1.78	-5.42	-542.76	6.02	-2.09	0.08	
468	S Fr DS3	P_x	0.57	-6.53	-588.32	8.39	1.19	0.06	CO13
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO11
		P_y	0.54	-5.52	-544.14	7.00	1.14	0.06	CO14
			0.56	-6.53	-587.05	8.40	1.18	0.06	CO12
		P_z	0.53	-5.53	-540.97	7.03	1.13	0.06	CO11
			0.57	-6.53	-588.32	8.39	1.19	0.06	CO13
		M_x	0.56	-6.53	-587.05	8.40	1.18	0.06	CO12
			0.54	-5.52	-544.14	7.00	1.14	0.06	CO14
		M_y	0.57	-6.53	-588.32	8.39	1.19	0.06	CO13
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO11
		M_z	0.56	-6.12	-571.79	7.82	1.17	0.06	CO15
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO11
Extremes			0.57	-5.52	-540.97	8.40	1.19	0.06	
468			0.53	-6.53	-588.32	7.00	1.13	0.06	
542	S Fr DS3	P_x	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO11
			-32.54	-50.09	-197.10	0.00	0.00	0.35	CO13
		P_y	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO11
			-32.54	-50.09	-197.10	0.00	0.00	0.35	CO13
		P_z	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO11
			-32.54	-50.09	-197.10	0.00	0.00	0.35	CO13
		M_x	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO11
			-30.34	-48.26	-191.73	0.00	0.00	0.35	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
542		M_y	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO11
			-30.34	-48.26	-191.73	0.00	0.00	0.35	CO11
		M_z	-32.54	-50.09	-197.10	0.00	0.00	0.35	CO13
			-30.34	-48.26	-191.73	0.00	0.00	0.35	CO11
Extremes			-30.34	-48.26	-191.73	0.00	0.00	0.35	
542			-32.54	-50.09	-197.10	0.00	0.00	0.35	
547	S Fr DS3	P_x	20.91	22.36	-96.05	0.00	0.00	0.14	CO14
			20.24	21.56	-94.03	0.00	0.00	0.14	CO12
		P_y	20.91	22.36	-96.05	0.00	0.00	0.14	CO14
			20.24	21.56	-94.03	0.00	0.00	0.14	CO12
		P_z	20.24	21.56	-94.03	0.00	0.00	0.14	CO12
			20.91	22.36	-96.05	0.00	0.00	0.14	CO14
		M_x	20.25	21.71	-94.21	0.00	0.00	0.14	CO11
			20.25	21.71	-94.21	0.00	0.00	0.14	CO11
		M_y	20.25	21.71	-94.21	0.00	0.00	0.14	CO11
			20.25	21.71	-94.21	0.00	0.00	0.14	CO11
		M_z	20.24	21.56	-94.03	0.00	0.00	0.14	CO12
			20.91	22.36	-96.05	0.00	0.00	0.14	CO14
Extremes			20.91	22.36	-94.03	0.00	0.00	0.14	
547			20.24	21.56	-96.05	0.00	0.00	0.14	
548	S Fr DS3	P_x	-37.77	-65.85	-163.19	0.00	0.00	1.11	CO12
			-38.18	-66.38	-164.98	0.00	0.00	1.12	CO14
		P_y	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO11
			-37.94	-66.43	-164.76	0.00	0.00	1.11	CO15
		P_z	-37.77	-65.85	-163.19	0.00	0.00	1.11	CO12
			-38.18	-66.38	-164.98	0.00	0.00	1.12	CO14
		M_x	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO11
			-38.17	-65.77	-163.57	0.00	0.00	1.12	CO11
		M_y	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO11
			-38.17	-65.77	-163.57	0.00	0.00	1.12	CO11
		M_z	-38.18	-66.38	-164.98	0.00	0.00	1.12	CO14
			-37.77	-65.85	-163.19	0.00	0.00	1.11	CO12
Extremes			-37.77	-65.77	-163.19	0.00	0.00	1.12	
548			-38.18	-66.43	-164.98	0.00	0.00	1.11	
589	S Fr DS3	P_x	0.83	-2.58	-190.38	8.48	2.53	-0.13	CO14
			0.76	-2.43	-177.95	8.02	2.30	-0.14	CO12
		P_y	0.76	-2.43	-177.95	8.02	2.30	-0.14	CO12
			0.83	-2.58	-190.38	8.48	2.53	-0.13	CO14
		P_z	0.76	-2.43	-177.95	8.02	2.30	-0.14	CO12
			0.83	-2.58	-190.38	8.48	2.53	-0.13	CO14
		M_x	0.83	-2.58	-190.38	8.48	2.53	-0.13	CO14
			0.76	-2.43	-177.95	8.02	2.30	-0.14	CO12
		M_y	0.83	-2.58	-190.38	8.48	2.53	-0.13	CO14
			0.76	-2.43	-177.95	8.02	2.30	-0.14	CO12
		M_z	0.77	-2.44	-177.98	8.04	2.32	-0.13	CO11
			0.79	-2.49	-182.91	8.20	2.38	-0.14	CO13
Extremes			0.83	-2.43	-177.95	8.48	2.53	-0.13	
589			0.76	-2.58	-190.38	8.02	2.30	-0.14	
593	S Fr DS3	P_x	17.62	51.55	-261.07	-30.68	1.85	-3.87	CO15
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO11
		P_y	17.62	51.55	-261.07	-30.68	1.85	-3.87	CO15
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO11
		P_z	13.16	50.80	-235.11	-30.17	1.35	-3.91	CO11
			17.62	51.55	-261.07	-30.68	1.85	-3.87	CO15
		M_x	13.16	50.80	-235.11	-30.17	1.35	-3.91	CO11
			17.62	51.55	-261.07	-30.68	1.85	-3.87	CO15
		M_y	17.62	51.55	-261.07	-30.68	1.85	-3.87	CO15
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO11
		M_z	17.62	51.55	-261.07	-30.68	1.85	-3.87	CO15
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO11
Extremes			17.62	51.55	-235.11	-30.17	1.85	-3.87	
593			13.16	50.80	-261.07	-30.68	1.35	-3.91	
607	S Fr DS3	P_x	-0.88	-1.97	-167.10	6.26	-3.00	-0.16	CO12
			-0.96	-2.10	-177.73	6.66	-3.22	-0.16	CO14
		P_y	-0.88	-1.97	-167.10	6.26	-3.00	-0.16	CO12
			-0.96	-2.10	-177.73	6.66	-3.22	-0.16	CO14
		P_z	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO11
			-0.95	-2.09	-177.83	6.64	-3.22	-0.16	CO15
		M_x	-0.96	-2.10	-177.73	6.66	-3.22	-0.16	CO14
			-0.88	-1.97	-167.10	6.26	-3.00	-0.16	CO12
		M_y	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO11
			-0.95	-2.09	-177.83	6.64	-3.22	-0.16	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
607		M_z	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO11
			-0.91	-2.02	-171.42	6.40	-3.09	-0.16	CO13
Extremes			-0.88	-1.97	-166.94	6.66	-3.00	-0.16	
607			-0.96	-2.10	-177.83	6.26	-3.22	-0.16	
687	S Fr DS3	P_x	-22.69	-29.05	-159.68	0.00	0.00	-1.06	CO13
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO11
		P_y	-22.71	-28.78	-161.37	0.00	0.00	-1.06	CO14
			-22.69	-29.07	-158.67	0.00	0.00	-1.06	CO12
		P_z	-22.69	-29.07	-158.67	0.00	0.00	-1.06	CO12
			-22.71	-28.78	-161.37	0.00	0.00	-1.06	CO14
		M_x	-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO11
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO11
		M_y	-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO11
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO11
		M_z	-22.69	-29.05	-159.68	0.00	0.00	-1.06	CO13
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO11
Extremes			-22.69	-28.78	-158.67	0.00	0.00	-1.06	
687			-22.71	-29.07	-161.37	0.00	0.00	-1.07	
688	S Fr DS3	P_x	-5.36	-26.58	-159.94	0.00	0.00	4.82	CO15
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO11
		P_y	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO11
			-5.60	-26.58	-158.06	0.00	0.00	4.82	CO13
		P_z	-5.77	-26.57	-156.82	0.00	0.00	4.82	CO12
			-5.39	-26.57	-159.97	0.00	0.00	4.82	CO14
		M_x	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO11
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO11
		M_y	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO11
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO11
		M_z	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO11
			-5.36	-26.58	-159.94	0.00	0.00	4.82	CO15
Extremes			-5.36	-26.56	-156.82	0.00	0.00	4.83	
688			-5.83	-26.58	-159.97	0.00	0.00	4.82	
689	S Fr DS3	P_x	-7.61	-41.13	-188.36	0.00	0.00	1.33	CO15
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO11
		P_y	-7.63	-41.13	-188.37	0.00	0.00	1.34	CO14
			-7.66	-41.13	-184.14	0.00	0.00	1.34	CO12
		P_z	-7.66	-41.13	-184.14	0.00	0.00	1.34	CO12
			-7.63	-41.13	-188.37	0.00	0.00	1.34	CO14
		M_x	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO11
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO11
		M_y	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO11
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO11
		M_z	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO11
			-7.61	-41.13	-188.36	0.00	0.00	1.33	CO15
Extremes			-7.61	-41.13	-184.14	0.00	0.00	1.34	
689			-7.70	-41.13	-188.37	0.00	0.00	1.33	
690	S Fr DS3	P_x	-6.79	-41.72	-188.21	0.00	0.00	-0.05	CO12
			-7.02	-41.72	-192.45	0.00	0.00	-0.05	CO14
		P_y	-7.02	-41.72	-192.45	0.00	0.00	-0.05	CO14
			-6.79	-41.72	-188.21	0.00	0.00	-0.05	CO12
		P_z	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO11
			-6.97	-41.72	-192.50	0.00	0.00	-0.05	CO15
		M_x	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO11
			-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO11
		M_y	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO11
			-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO11
		M_z	-7.02	-41.72	-192.45	0.00	0.00	-0.05	CO14
			-6.79	-41.72	-188.21	0.00	0.00	-0.05	CO12
Extremes			-6.79	-41.72	-188.12	0.00	0.00	-0.05	
690			-7.02	-41.72	-192.50	0.00	0.00	-0.05	
691	S Fr DS3	P_x	-21.21	-31.69	-177.35	0.00	0.00	-2.95	CO12
			-21.95	-31.71	-180.98	0.00	0.00	-2.94	CO14
		P_y	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO11
			-21.83	-31.71	-181.19	0.00	0.00	-2.94	CO15
		P_z	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO11
			-21.83	-31.71	-181.19	0.00	0.00	-2.94	CO15
		M_x	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO11
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO11
		M_y	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO11
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO11
		M_z	-21.83	-31.71	-181.19	0.00	0.00	-2.94	CO15
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	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
Extremes			-21.21	-31.69	-177.00	0.00	0.00	-2.94	
691			-21.95	-31.71	-181.19	0.00	0.00	-2.95	
692	S Fr DS3	P_x	1.45	-17.23	-218.00	0.00	0.00	-0.53	CO12
			1.12	-17.24	-218.77	0.00	0.00	-0.56	CO14
		P_y	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO11
			1.25	-17.25	-221.15	0.00	0.00	-0.53	CO15
		P_z	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO11
			1.25	-17.25	-221.15	0.00	0.00	-0.53	CO15
		M_x	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO11
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO11
		M_y	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO11
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO11
		M_z	1.40	-17.24	-219.89	0.00	0.00	-0.52	CO13
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO11
Extremes			1.45	-17.21	-214.04	0.00	0.00	-0.52	
692			1.12	-17.25	-221.15	0.00	0.00	-0.57	
693	S Fr DS3	P_x	24.63	-26.79	-233.32	0.00	0.00	1.14	CO12
			23.21	-26.64	-227.59	0.00	0.00	1.13	CO14
		P_y	23.89	-26.63	-231.88	0.00	0.00	1.13	CO15
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO11
		P_z	23.49	-26.80	-226.15	0.00	0.00	1.14	CO11
			24.52	-26.72	-233.89	0.00	0.00	1.14	CO13
		M_x	23.49	-26.80	-226.15	0.00	0.00	1.14	CO11
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO11
		M_y	23.49	-26.80	-226.15	0.00	0.00	1.14	CO11
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO11
		M_z	24.63	-26.79	-233.32	0.00	0.00	1.14	CO12
			23.21	-26.64	-227.59	0.00	0.00	1.13	CO14
Extremes			24.63	-26.63	-226.15	0.00	0.00	1.14	
693			23.21	-26.80	-233.89	0.00	0.00	1.13	
694	S Fr DS3	P_x	9.51	-34.67	-227.56	0.00	0.00	0.05	CO12
			8.08	-34.60	-219.85	0.00	0.00	0.08	CO14
		P_y	8.58	-34.56	-219.38	0.00	0.00	0.09	CO11
			9.30	-34.68	-227.75	0.00	0.00	0.05	CO13
		P_z	8.58	-34.56	-219.38	0.00	0.00	0.09	CO11
			9.30	-34.68	-227.75	0.00	0.00	0.05	CO13
		M_x	8.58	-34.56	-219.38	0.00	0.00	0.09	CO11
			8.58	-34.56	-219.38	0.00	0.00	0.09	CO11
		M_y	8.58	-34.56	-219.38	0.00	0.00	0.09	CO11
			8.58	-34.56	-219.38	0.00	0.00	0.09	CO11
		M_z	8.58	-34.56	-219.38	0.00	0.00	0.09	CO11
			9.30	-34.68	-227.75	0.00	0.00	0.05	CO13
Extremes			9.51	-34.56	-219.38	0.00	0.00	0.09	
694			8.08	-34.68	-227.75	0.00	0.00	0.05	
695	S Fr DS3	P_x	10.69	-34.50	-236.73	0.00	0.00	0.07	CO12
			9.69	-34.50	-227.02	0.00	0.00	0.07	CO14
		P_y	10.01	-34.49	-226.98	0.00	0.00	0.07	CO11
			10.56	-34.51	-236.74	0.00	0.00	0.07	CO13
		P_z	10.01	-34.49	-226.98	0.00	0.00	0.07	CO11
			10.56	-34.51	-236.74	0.00	0.00	0.07	CO13
		M_x	10.01	-34.49	-226.98	0.00	0.00	0.07	CO11
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO11
		M_y	10.01	-34.49	-226.98	0.00	0.00	0.07	CO11
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO11
		M_z	10.08	-34.51	-232.86	0.00	0.00	0.07	CO15
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO11
Extremes			10.69	-34.49	-226.98	0.00	0.00	0.07	
695			9.69	-34.51	-236.74	0.00	0.00	0.07	
696	S Fr DS3	P_x	11.52	-34.78	-239.96	0.00	0.00	-0.02	CO12
			10.89	-34.76	-229.85	0.00	0.00	-0.02	CO14
		P_y	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO11
			11.45	-34.79	-239.97	0.00	0.00	-0.02	CO13
		P_z	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO11
			11.45	-34.79	-239.97	0.00	0.00	-0.02	CO13
		M_x	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO11
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO11
		M_y	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO11
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO11
		M_z	11.16	-34.78	-235.93	0.00	0.00	-0.02	CO15
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO11
Extremes			11.52	-34.74	-229.82	0.00	0.00	-0.02	
696			10.89	-34.79	-239.97	0.00	0.00	-0.02	

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
697	S Fr DS3	P_x	2.23	-34.95	-239.41	0.00	0.00	0.10	CO14
			1.64	-34.96	-248.49	0.00	0.00	0.10	CO12
		P_y	2.03	-34.90	-238.72	0.00	0.00	0.09	CO11
			1.98	-34.98	-245.28	0.00	0.00	0.10	CO15
		P_z	2.03	-34.90	-238.72	0.00	0.00	0.09	CO11
			1.72	-34.97	-248.77	0.00	0.00	0.10	CO13
		M_x	2.03	-34.90	-238.72	0.00	0.00	0.09	CO11
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO11
		M_y	2.03	-34.90	-238.72	0.00	0.00	0.09	CO11
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO11
		M_z	1.98	-34.98	-245.28	0.00	0.00	0.10	CO15
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO11
Extremes			2.23	-34.90	-238.72	0.00	0.00	0.10	
697			1.64	-34.98	-248.77	0.00	0.00	0.09	
698	S Fr DS3	P_x	0.58	-32.95	-246.81	0.00	0.00	-0.08	CO14
			-0.77	-32.95	-251.83	0.00	0.00	-0.08	CO12
		P_y	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO11
			0.01	-32.98	-251.30	0.00	0.00	-0.08	CO15
		P_z	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO11
			-0.60	-32.97	-252.82	0.00	0.00	-0.08	CO13
		M_x	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO11
			0.17	-32.89	-244.35	0.00	0.00	-0.08	CO11
		M_y	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO11
			0.17	-32.89	-244.35	0.00	0.00	-0.08	CO11
		M_z	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO11
			-0.60	-32.97	-252.82	0.00	0.00	-0.08	CO13
Extremes			0.58	-32.89	-244.35	0.00	0.00	-0.08	
698			-0.77	-32.98	-252.82	0.00	0.00	-0.08	
699	S Fr DS3	P_x	-4.07	-36.43	-224.09	0.00	0.00	2.08	CO14
			-5.33	-36.42	-223.53	0.00	0.00	2.08	CO12
		P_y	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO11
			-4.70	-36.43	-226.13	0.00	0.00	2.07	CO15
		P_z	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO11
			-4.70	-36.43	-226.13	0.00	0.00	2.07	CO15
		M_x	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO11
			-4.29	-36.41	-220.15	0.00	0.00	2.09	CO11
		M_y	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO11
			-4.29	-36.41	-220.15	0.00	0.00	2.09	CO11
		M_z	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO11
			-4.70	-36.43	-226.13	0.00	0.00	2.07	CO15
Extremes			-4.07	-36.41	-220.15	0.00	0.00	2.09	
699			-5.33	-36.43	-226.13	0.00	0.00	2.07	
700	S Fr DS3	P_x	7.71	-29.92	-175.13	0.00	0.00	2.43	CO12
			7.58	-29.93	-179.73	0.00	0.00	2.42	CO14
		P_y	7.62	-29.89	-175.13	0.00	0.00	2.44	CO11
			7.64	-29.95	-179.73	0.00	0.00	2.42	CO15
		P_z	7.62	-29.89	-175.13	0.00	0.00	2.44	CO11
			7.64	-29.95	-179.73	0.00	0.00	2.42	CO15
		M_x	7.62	-29.89	-175.13	0.00	0.00	2.44	CO11
			7.62	-29.89	-175.13	0.00	0.00	2.44	CO11
		M_y	7.62	-29.89	-175.13	0.00	0.00	2.44	CO11
			7.62	-29.89	-175.13	0.00	0.00	2.44	CO11
		M_z	7.62	-29.89	-175.13	0.00	0.00	2.44	CO11
			7.64	-29.95	-179.73	0.00	0.00	2.42	CO15
Extremes			7.71	-29.89	-175.13	0.00	0.00	2.44	
700			7.58	-29.95	-179.73	0.00	0.00	2.42	
703	S Fr DS3	P_x	34.56	-14.28	-314.55	0.00	0.00	0.93	CO14
			34.26	-14.25	-322.64	0.00	0.00	0.91	CO12
		P_y	34.55	-14.02	-309.15	0.00	0.00	0.93	CO11
			34.39	-14.41	-322.65	0.00	0.00	0.91	CO15
		P_z	34.55	-14.02	-309.15	0.00	0.00	0.93	CO11
			34.26	-14.35	-324.80	0.00	0.00	0.90	CO13
		M_x	34.55	-14.02	-309.15	0.00	0.00	0.93	CO11
			34.55	-14.02	-309.15	0.00	0.00	0.93	CO11
		M_y	34.55	-14.02	-309.15	0.00	0.00	0.93	CO11
			34.55	-14.02	-309.15	0.00	0.00	0.93	CO11
		M_z	34.55	-14.02	-309.15	0.00	0.00	0.93	CO11
			34.26	-14.35	-324.80	0.00	0.00	0.90	CO13
Extremes			34.56	-14.02	-309.15	0.00	0.00	0.93	
703			34.26	-14.41	-324.80	0.00	0.00	0.90	
704	S Fr DS3	P_x	30.90	15.95	-320.85	0.00	0.00	-1.91	CO11
			30.81	16.90	-336.54	0.00	0.00	-1.85	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
704		P_y	30.84	16.96	-334.58	0.00	0.00	-1.87	CO15
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO11
		P_z	30.90	15.95	-320.85	0.00	0.00	-1.91	CO11
			30.81	16.90	-336.54	0.00	0.00	-1.85	CO13
		M_x	30.90	15.95	-320.85	0.00	0.00	-1.91	CO11
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO11
		M_y	30.90	15.95	-320.85	0.00	0.00	-1.91	CO11
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO11
		M_z	30.81	16.67	-334.26	0.00	0.00	-1.85	CO12
			30.89	16.52	-326.53	0.00	0.00	-1.91	CO14
Extremes			30.90	16.96	-320.85	0.00	0.00	-1.85	
704			30.81	15.95	-336.54	0.00	0.00	-1.91	
705	S Fr DS3	P_x	32.30	0.73	-360.68	0.00	0.00	0.97	CO13
			32.26	0.56	-343.60	0.00	0.00	0.97	CO11
		P_y	32.29	1.01	-358.16	0.00	0.00	0.97	CO12
			32.26	-0.14	-349.90	0.00	0.00	0.98	CO14
		P_z	32.26	0.56	-343.60	0.00	0.00	0.97	CO11
			32.30	0.73	-360.68	0.00	0.00	0.97	CO13
		M_x	32.26	0.56	-343.60	0.00	0.00	0.97	CO11
			32.26	0.56	-343.60	0.00	0.00	0.97	CO11
		M_y	32.26	0.56	-343.60	0.00	0.00	0.97	CO11
			32.26	0.56	-343.60	0.00	0.00	0.97	CO11
		M_z	32.26	-0.14	-349.90	0.00	0.00	0.98	CO14
			32.29	1.01	-358.16	0.00	0.00	0.97	CO12
Extremes			32.30	1.01	-343.60	0.00	0.00	0.98	
705			32.26	-0.14	-360.68	0.00	0.00	0.97	
706	S Fr DS3	P_x	34.84	7.67	-321.92	0.00	0.00	-0.06	CO14
			34.83	7.46	-329.93	0.00	0.00	-0.05	CO12
		P_y	34.83	8.14	-317.04	0.00	0.00	-0.05	CO11
			34.84	7.27	-329.66	0.00	0.00	-0.05	CO15
		P_z	34.83	8.14	-317.04	0.00	0.00	-0.05	CO11
			34.84	7.27	-331.88	0.00	0.00	-0.05	CO13
		M_x	34.83	8.14	-317.04	0.00	0.00	-0.05	CO11
			34.83	8.14	-317.04	0.00	0.00	-0.05	CO11
		M_y	34.83	8.14	-317.04	0.00	0.00	-0.05	CO11
			34.83	8.14	-317.04	0.00	0.00	-0.05	CO11
		M_z	34.83	7.46	-329.93	0.00	0.00	-0.05	CO12
			34.84	7.67	-321.92	0.00	0.00	-0.06	CO14
Extremes			34.84	8.14	-317.04	0.00	0.00	-0.05	
706			34.83	7.27	-331.88	0.00	0.00	-0.06	
709	S Fr DS3	P_x	27.14	25.06	-276.16	0.00	0.00	-2.26	CO14
			27.11	24.35	-280.76	0.00	0.00	-2.26	CO12
		P_y	27.14	25.36	-273.00	0.00	0.00	-2.26	CO11
			27.11	24.23	-282.03	0.00	0.00	-2.26	CO13
		P_z	27.14	25.36	-273.00	0.00	0.00	-2.26	CO11
			27.11	24.23	-282.03	0.00	0.00	-2.26	CO13
		M_x	27.14	25.36	-273.00	0.00	0.00	-2.26	CO11
			27.14	25.36	-273.00	0.00	0.00	-2.26	CO11
		M_y	27.14	25.36	-273.00	0.00	0.00	-2.26	CO11
			27.14	25.36	-273.00	0.00	0.00	-2.26	CO11
		M_z	27.14	25.36	-273.00	0.00	0.00	-2.26	CO11
			27.11	24.23	-282.03	0.00	0.00	-2.26	CO13
Extremes			27.14	25.36	-273.00	0.00	0.00	-2.26	
709			27.11	24.23	-282.03	0.00	0.00	-2.26	
710	S Fr DS3	P_x	28.21	28.87	-261.05	0.00	0.00	1.54	CO11
			25.43	28.85	-271.08	0.00	0.00	1.54	CO13
		P_y	28.21	28.87	-261.05	0.00	0.00	1.54	CO11
			25.43	28.85	-271.08	0.00	0.00	1.54	CO13
		P_z	28.21	28.87	-261.05	0.00	0.00	1.54	CO11
			25.43	28.85	-271.08	0.00	0.00	1.54	CO13
		M_x	28.21	28.87	-261.05	0.00	0.00	1.54	CO11
			28.21	28.87	-261.05	0.00	0.00	1.54	CO11
		M_y	28.21	28.87	-261.05	0.00	0.00	1.54	CO11
			28.21	28.87	-261.05	0.00	0.00	1.54	CO11
		M_z	25.43	28.85	-271.08	0.00	0.00	1.54	CO13
			28.21	28.87	-261.05	0.00	0.00	1.54	CO11
Extremes			28.21	28.87	-261.05	0.00	0.00	1.54	
710			25.43	28.85	-271.08	0.00	0.00	1.54	
711	S Fr DS3	P_x	53.02	29.26	-294.89	0.00	0.00	-1.52	CO14
			51.48	29.25	-303.66	0.00	0.00	-1.53	CO12
		P_y	53.02	29.26	-294.89	0.00	0.00	-1.52	CO14
			51.48	29.25	-303.66	0.00	0.00	-1.53	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
711		P_z	52.69	29.26	-290.38	0.00	0.00	-1.52	CO11
			51.61	29.25	-305.46	0.00	0.00	-1.53	CO13
		M_x	52.69	29.26	-290.38	0.00	0.00	-1.52	CO11
			52.69	29.26	-290.38	0.00	0.00	-1.52	CO11
		M_y	52.69	29.26	-290.38	0.00	0.00	-1.52	CO11
			52.69	29.26	-290.38	0.00	0.00	-1.52	CO11
		M_z	52.69	29.26	-290.38	0.00	0.00	-1.52	CO11
			51.61	29.25	-305.46	0.00	0.00	-1.53	CO13
Extremes			53.02	29.26	-290.38	0.00	0.00	-1.52	
711			51.48	29.25	-305.46	0.00	0.00	-1.53	
717	S Fr DS3	P_x	15.47	33.42	-147.30	0.00	0.00	0.23	CO14
			13.10	33.25	-146.49	0.00	0.00	0.24	CO12
		P_y	15.12	33.44	-151.90	0.00	0.00	0.23	CO15
			13.75	33.22	-138.97	0.00	0.00	0.24	CO11
		P_z	13.75	33.22	-138.97	0.00	0.00	0.24	CO11
			15.12	33.44	-151.90	0.00	0.00	0.23	CO15
		M_x	13.75	33.22	-138.97	0.00	0.00	0.24	CO11
			13.75	33.22	-138.97	0.00	0.00	0.24	CO11
		M_y	13.75	33.22	-138.97	0.00	0.00	0.24	CO11
			13.75	33.22	-138.97	0.00	0.00	0.24	CO11
		M_z	13.75	33.22	-138.97	0.00	0.00	0.24	CO11
			15.12	33.44	-151.90	0.00	0.00	0.23	CO15
Extremes			15.47	33.44	-138.97	0.00	0.00	0.24	
717			13.10	33.22	-151.90	0.00	0.00	0.23	
718	S Fr DS3	P_x	20.08	32.41	-145.29	0.00	0.00	0.01	CO14
			19.04	32.17	-142.13	0.00	0.00	0.01	CO12
		P_y	19.91	32.43	-148.17	0.00	0.00	0.01	CO15
			19.36	32.15	-137.24	0.00	0.00	0.01	CO11
		P_z	19.36	32.15	-137.24	0.00	0.00	0.01	CO11
			19.91	32.43	-148.17	0.00	0.00	0.01	CO15
		M_x	19.36	32.15	-137.24	0.00	0.00	0.01	CO11
			19.36	32.15	-137.24	0.00	0.00	0.01	CO11
		M_y	19.36	32.15	-137.24	0.00	0.00	0.01	CO11
			19.36	32.15	-137.24	0.00	0.00	0.01	CO11
		M_z	19.04	32.17	-142.13	0.00	0.00	0.01	CO12
			20.08	32.41	-145.29	0.00	0.00	0.01	CO14
Extremes			20.08	32.43	-137.24	0.00	0.00	0.01	
718			19.04	32.15	-148.17	0.00	0.00	0.01	
719	S Fr DS3	P_x	29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
			27.64	32.46	-144.72	0.00	0.00	0.00	CO15
		P_y	27.64	32.46	-144.72	0.00	0.00	0.00	CO15
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
		P_z	29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
			27.64	32.46	-144.72	0.00	0.00	0.00	CO15
		M_x	29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
		M_y	29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
		M_z	27.64	32.46	-144.72	0.00	0.00	0.00	CO15
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO11
Extremes			29.03	32.46	-133.85	0.00	0.00	0.00	
719			27.64	32.19	-144.72	0.00	0.00	-0.01	
720	S Fr DS3	P_x	34.04	32.27	-137.43	0.00	0.00	0.01	CO11
			32.92	32.48	-150.75	0.00	0.00	0.02	CO15
		P_y	32.92	32.48	-150.75	0.00	0.00	0.02	CO15
			34.04	32.27	-137.43	0.00	0.00	0.01	CO11
		P_z	34.04	32.27	-137.43	0.00	0.00	0.01	CO11
			32.92	32.48	-150.75	0.00	0.00	0.02	CO15
		M_x	34.04	32.27	-137.43	0.00	0.00	0.01	CO11
			34.04	32.27	-137.43	0.00	0.00	0.01	CO11
		M_y	34.04	32.27	-137.43	0.00	0.00	0.01	CO11
			34.04	32.27	-137.43	0.00	0.00	0.01	CO11
		M_z	32.92	32.48	-150.75	0.00	0.00	0.02	CO15
			34.04	32.27	-137.43	0.00	0.00	0.01	CO11
Extremes			34.04	32.48	-137.43	0.00	0.00	0.02	
720			32.92	32.27	-150.75	0.00	0.00	0.01	
721	S Fr DS3	P_x	22.62	38.40	-145.80	0.00	0.00	0.20	CO11
			17.87	38.49	-159.32	0.00	0.00	0.24	CO15
		P_y	18.80	38.50	-152.52	0.00	0.00	0.24	CO14
			21.00	38.38	-157.20	0.00	0.00	0.21	CO12
		P_z	22.62	38.40	-145.80	0.00	0.00	0.20	CO11
			19.48	38.42	-159.89	0.00	0.00	0.22	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
721		M_x	22.62	38.40	-145.80	0.00	0.00	0.20	CO11
			22.62	38.40	-145.80	0.00	0.00	0.20	CO11
		M_y	22.62	38.40	-145.80	0.00	0.00	0.20	CO11
			22.62	38.40	-145.80	0.00	0.00	0.20	CO11
		M_z	17.87	38.49	-159.32	0.00	0.00	0.24	CO15
			22.62	38.40	-145.80	0.00	0.00	0.20	CO11
Extremes			22.62	38.50	-145.80	0.00	0.00	0.24	
721			17.87	38.38	-159.89	0.00	0.00	0.20	
747	S Fr DS3	P_x	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO11
			-3.61	0.17	-291.52	-0.61	15.24	0.03	CO13
		P_y	-3.61	0.17	-291.52	-0.61	15.24	0.03	CO13
			-0.75	0.15	-273.27	-0.57	14.06	0.02	CO11
		P_z	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO11
			-3.61	0.17	-291.52	-0.61	15.24	0.03	CO13
		M_x	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO11
			-3.61	0.17	-291.52	-0.61	15.24	0.03	CO13
		M_y	-3.61	0.17	-291.52	-0.61	15.24	0.03	CO13
			-0.75	0.15	-273.27	-0.57	14.06	0.02	CO11
		M_z	-3.44	0.17	-289.04	-0.61	15.09	0.03	CO12
			-1.18	0.15	-279.47	-0.58	14.45	0.02	CO14
Extremes			-0.75	0.17	-273.27	-0.57	15.24	0.03	
747			-3.61	0.15	-291.52	-0.61	14.06	0.02	
749	S Fr DS3	P_x	-0.27	14.46	-214.35	0.00	0.00	0.44	CO12
			-0.29	13.38	-215.72	0.00	0.00	0.46	CO14
		P_y	-0.28	14.68	-216.62	0.00	0.00	0.44	CO13
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO11
		P_z	-0.29	12.83	-210.05	0.00	0.00	0.45	CO11
			-0.29	14.37	-218.30	0.00	0.00	0.45	CO15
		M_x	-0.29	12.83	-210.05	0.00	0.00	0.45	CO11
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO11
		M_y	-0.29	12.83	-210.05	0.00	0.00	0.45	CO11
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO11
		M_z	-0.29	13.38	-215.72	0.00	0.00	0.46	CO14
			-0.27	14.46	-214.35	0.00	0.00	0.44	CO12
Extremes			-0.27	14.68	-210.05	0.00	0.00	0.46	
749			-0.29	12.83	-218.30	0.00	0.00	0.44	
750	S Fr DS3	P_x	0.26	-25.06	-168.72	0.00	0.00	-0.30	CO12
			0.20	-22.51	-161.46	0.00	0.00	-0.25	CO14
		P_y	0.20	-22.51	-161.46	0.00	0.00	-0.25	CO14
			0.26	-25.06	-168.72	0.00	0.00	-0.30	CO12
		P_z	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO11
			0.26	-24.97	-169.57	0.00	0.00	-0.29	CO13
		M_x	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO11
			0.20	-22.74	-159.32	0.00	0.00	-0.25	CO11
		M_y	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO11
			0.20	-22.74	-159.32	0.00	0.00	-0.25	CO11
		M_z	0.20	-22.51	-161.46	0.00	0.00	-0.25	CO14
			0.26	-25.06	-168.72	0.00	0.00	-0.30	CO12
Extremes			0.26	-22.51	-159.32	0.00	0.00	-0.25	
750			0.20	-25.06	-169.57	0.00	0.00	-0.30	
751	S Fr DS3	P_x	7.05	-0.07	-106.15	0.00	0.00	0.00	CO13
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
		P_y	6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
			6.70	-0.09	-103.65	0.00	0.00	0.01	CO15
		P_z	6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
			7.05	-0.07	-106.15	0.00	0.00	0.00	CO13
		M_x	6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
		M_y	6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
		M_z	6.70	-0.09	-103.65	0.00	0.00	0.01	CO15
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO11
Extremes			7.05	-0.04	-98.72	0.00	0.00	0.01	
751			6.03	-0.09	-106.15	0.00	0.00	0.00	
752	S Fr DS3	P_x	2.68	-0.05	-141.19	0.00	0.00	-0.01	CO14
			2.20	-0.02	-147.15	0.00	0.00	0.00	CO12
		P_y	2.34	-0.02	-140.05	0.00	0.00	0.00	CO11
			2.54	-0.05	-145.43	0.00	0.00	-0.01	CO15
		P_z	2.34	-0.02	-140.05	0.00	0.00	0.00	CO11
			2.34	-0.03	-147.60	0.00	0.00	-0.01	CO13
		M_x	2.34	-0.02	-140.05	0.00	0.00	0.00	CO11
			2.34	-0.02	-140.05	0.00	0.00	0.00	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
752		M_y	2.34	-0.02	-140.05	0.00	0.00	0.00	CO11
			2.34	-0.02	-140.05	0.00	0.00	0.00	CO11
		M_z	2.34	-0.02	-140.05	0.00	0.00	0.00	CO11
			2.54	-0.05	-145.43	0.00	0.00	-0.01	CO15
Extremes			2.68	-0.02	-140.05	0.00	0.00	0.00	
752			2.20	-0.05	-147.60	0.00	0.00	-0.01	
753	S Fr DS3	P_x	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO11
			-6.15	-1.66	-230.00	0.00	0.00	-0.03	CO15
		P_y	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO11
			-6.15	-1.66	-230.00	0.00	0.00	-0.03	CO15
		P_z	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO11
			-6.15	-1.66	-230.00	0.00	0.00	-0.03	CO15
		M_x	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO11
			-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO11
		M_y	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO11
			-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO11
		M_z	-6.04	-1.64	-224.89	0.00	0.00	-0.03	CO14
			-4.60	-1.64	-221.92	0.00	0.00	-0.03	CO12
Extremes			-4.52	-1.61	-213.51	0.00	0.00	-0.03	
753			-6.15	-1.66	-230.00	0.00	0.00	-0.03	
754	S Fr DS3	P_x	26.25	-0.55	-162.90	0.00	0.00	0.01	CO13
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
		P_y	24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
			26.25	-0.55	-162.90	0.00	0.00	0.01	CO13
		P_z	24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
			26.25	-0.55	-162.90	0.00	0.00	0.01	CO13
		M_x	24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
		M_y	24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
		M_z	24.71	-0.55	-153.34	0.00	0.00	0.01	CO11
			26.11	-0.55	-161.74	0.00	0.00	0.01	CO15
Extremes			26.25	-0.55	-153.34	0.00	0.00	0.01	
754			24.71	-0.55	-162.90	0.00	0.00	0.01	
772	S Fr DS3	P_x	38.21	1.66	-442.12	-8.13	72.97	-0.15	CO13
			30.71	1.85	-389.59	-7.97	60.06	-0.14	CO11
		P_y	30.71	1.85	-389.59	-7.97	60.06	-0.14	CO11
			38.21	1.66	-442.12	-8.13	72.97	-0.15	CO13
		P_z	30.76	1.84	-389.57	-7.95	60.29	-0.14	CO14
			38.19	1.67	-442.13	-8.13	72.88	-0.15	CO12
		M_x	30.76	1.84	-389.57	-7.95	60.29	-0.14	CO14
			38.19	1.67	-442.13	-8.13	72.88	-0.15	CO12
		M_y	38.21	1.66	-442.12	-8.13	72.97	-0.15	CO13
			30.71	1.85	-389.59	-7.97	60.06	-0.14	CO11
		M_z	30.76	1.84	-389.57	-7.95	60.29	-0.14	CO14
			38.19	1.67	-442.13	-8.13	72.88	-0.15	CO12
Extremes			38.21	1.85	-389.57	-7.95	72.97	-0.14	
772			30.71	1.66	-442.13	-8.13	60.06	-0.15	
779	S Fr DS3	P_x	3.66	-29.50	-77.14	0.00	0.00	0.35	CO13
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO11
		P_y	3.61	-29.19	-76.95	0.00	0.00	0.30	CO11
			3.64	-29.76	-77.56	0.00	0.00	0.33	CO15
		P_z	3.66	-29.30	-76.88	0.00	0.00	0.35	CO12
			3.62	-29.70	-77.60	0.00	0.00	0.30	CO14
		M_x	3.61	-29.19	-76.95	0.00	0.00	0.30	CO11
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO11
		M_y	3.61	-29.19	-76.95	0.00	0.00	0.30	CO11
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO11
		M_z	3.66	-29.50	-77.14	0.00	0.00	0.35	CO13
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO11
Extremes			3.66	-29.19	-76.88	0.00	0.00	0.35	
779			3.61	-29.76	-77.60	0.00	0.00	0.30	
783	S Fr DS3	P_x	33.66	-0.18	-113.53	0.00	0.00	0.06	CO13
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO11
		P_y	32.23	-0.15	-106.18	0.00	0.00	0.05	CO14
			33.52	-0.18	-113.21	0.00	0.00	0.06	CO12
		P_z	31.88	-0.15	-105.38	0.00	0.00	0.05	CO11
			33.66	-0.18	-113.53	0.00	0.00	0.06	CO13
		M_x	31.88	-0.15	-105.38	0.00	0.00	0.05	CO11
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO11
		M_y	31.88	-0.15	-105.38	0.00	0.00	0.05	CO11
			31.88	-0.15	-105.38	0.00	0.00	0.05	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
783		M_z	33.52	-0.18	-113.21	0.00	0.00	0.06	CO12
			32.23	-0.15	-106.18	0.00	0.00	0.05	CO14
Extremes			33.66	-0.15	-105.38	0.00	0.00	0.06	
783			31.88	-0.18	-113.53	0.00	0.00	0.05	
785	S Fr DS3	P_x	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
			-68.59	16.43	-223.67	0.00	0.00	-2.59	CO13
		P_y	-66.73	16.66	-221.62	0.00	0.00	-2.57	CO15
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
		P_z	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
			-68.59	16.43	-223.67	0.00	0.00	-2.59	CO13
		M_x	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
		M_y	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
		M_z	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO11
			-68.59	16.43	-223.67	0.00	0.00	-2.59	CO13
Extremes			-63.15	16.66	-214.71	0.00	0.00	-2.43	
785			-68.59	15.59	-223.67	0.00	0.00	-2.59	
799	S Fr DS3	P_x	56.12	-1.33	-327.54	0.00	0.00	0.11	CO13
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO11
		P_y	53.10	-1.28	-310.12	0.00	0.00	0.11	CO11
			56.05	-1.33	-331.80	0.00	0.00	0.11	CO15
		P_z	53.10	-1.28	-310.12	0.00	0.00	0.11	CO11
			56.05	-1.33	-331.80	0.00	0.00	0.11	CO15
		M_x	53.10	-1.28	-310.12	0.00	0.00	0.11	CO11
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO11
		M_y	53.10	-1.28	-310.12	0.00	0.00	0.11	CO11
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO11
		M_z	54.67	-1.31	-324.91	0.00	0.00	0.11	CO14
			55.49	-1.32	-321.63	0.00	0.00	0.11	CO12
Extremes			56.12	-1.28	-310.12	0.00	0.00	0.11	
799			53.10	-1.33	-331.80	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Fr DS3	P_x	124.67	-1.89	-531.25	-11.10	28.08	0.38	CO15
322			-106.12	12.19	-191.76	0.00	0.00	-3.22	CO15
135		P_y	2.80	76.79	-217.77	0.00	0.00	1.13	CO13
548			-37.94	-66.43	-164.76	0.00	0.00	1.11	CO15
138		P_z	38.20	-36.60	-53.96	0.00	0.00	0.26	CO12
377			1.18	-21.14	-610.86	-18.32	-0.13	-0.89	CO13
343		M_x	111.72	-11.23	-242.32	15.98	-11.31	2.18	CO12
57			45.42	62.67	-258.41	-45.78	5.87	0.08	CO12
772		M_y	38.21	1.66	-442.12	-8.13	72.97	-0.15	CO13
419			-64.48	6.70	-241.34	-1.63	-30.97	0.40	CO15
417		M_z	-32.70	-6.99	-68.01	-3.13	-10.34	5.14	CO14
71			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO11
20	SLS DS4	P_x	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO16
			-58.39	-2.40	-491.50	-7.39	18.66	1.91	CO18
		P_y	-57.93	-2.38	-486.23	-7.32	18.50	1.90	CO17
			-56.13	-2.69	-476.26	-7.17	18.13	1.82	CO19
		P_z	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO16
			-58.39	-2.40	-491.50	-7.39	18.66	1.91	CO18
		M_x	-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO16
			-58.39	-2.40	-491.50	-7.39	18.66	1.91	CO18
		M_y	-58.39	-2.40	-491.50	-7.39	18.66	1.91	CO18
			-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO16
		M_z	-58.39	-2.40	-491.50	-7.39	18.66	1.91	CO18
			-55.67	-2.67	-470.99	-7.10	17.97	1.80	CO16
Extremes			-55.67	-2.38	-470.99	-7.10	18.66	1.91	
20			-58.39	-2.69	-491.50	-7.39	17.97	1.80	
25	SLS DS4	P_x	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO16
			-3.81	-3.87	-433.24	5.46	-20.03	-1.96	CO18
		P_y	-3.50	-3.86	-421.50	5.46	-19.34	-1.96	CO19
			-3.78	-3.88	-420.62	5.48	-19.87	-1.95	CO17
		P_z	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO16
			-3.81	-3.87	-433.24	5.46	-20.03	-1.96	CO18
		M_x	-3.78	-3.88	-420.62	5.48	-19.87	-1.95	CO17
			-3.50	-3.86	-421.50	5.46	-19.34	-1.96	CO19
		M_y	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO16
			-3.81	-3.87	-433.24	5.46	-20.03	-1.96	CO18
		M_z	-3.47	-3.87	-408.87	5.47	-19.17	-1.94	CO16
			-3.81	-3.87	-433.24	5.46	-20.03	-1.96	CO18
Extremes			-3.47	-3.86	-408.87	5.48	-19.17	-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
25			-3.81	-3.88	-433.24	5.46	-20.03	-1.96	
32	SQ DS4	P_x	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO16
			-21.79	-5.19	-354.08	5.82	-9.42	-0.46	CO18
		P_y	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO16
			-21.79	-5.19	-354.08	5.82	-9.42	-0.46	CO18
		P_z	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO16
			-21.79	-5.19	-354.08	5.82	-9.42	-0.46	CO18
		M_x	-21.79	-5.19	-354.08	5.82	-9.42	-0.46	CO18
			-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO16
		M_y	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO16
			-21.79	-5.19	-354.08	5.82	-9.42	-0.46	CO18
		M_z	-20.65	-5.13	-339.25	5.79	-9.08	-0.46	CO16
			-21.79	-5.19	-354.08	5.82	-9.42	-0.46	CO18
Extremes			-20.65	-5.13	-339.25	5.82	-9.08	-0.46	
32			-21.79	-5.19	-354.08	5.79	-9.42	-0.46	
39	SQ DS4	P_x	121.87	-2.11	-519.09	-10.85	27.71	0.37	CO18
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO16
		P_y	119.22	-1.83	-508.66	-10.70	27.19	0.37	CO19
			120.01	-2.25	-510.98	-10.67	27.46	0.37	CO17
		P_z	117.36	-1.98	-500.55	-10.52	26.94	0.37	CO16
			121.87	-2.11	-519.09	-10.85	27.71	0.37	CO18
		M_x	117.36	-1.98	-500.55	-10.52	26.94	0.37	CO16
			121.87	-2.11	-519.09	-10.85	27.71	0.37	CO18
		M_y	121.87	-2.11	-519.09	-10.85	27.71	0.37	CO18
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO16
		M_z	121.87	-2.11	-519.09	-10.85	27.71	0.37	CO18
			117.36	-1.98	-500.55	-10.52	26.94	0.37	CO16
Extremes			121.87	-1.83	-500.55	-10.52	27.71	0.37	
39			117.36	-2.25	-519.09	-10.85	26.94	0.37	
45	SQ DS4	P_x	-2.55	-0.46	-340.33	-2.14	10.68	0.16	CO19
			-2.83	-0.43	-337.51	-2.22	11.08	0.16	CO17
		P_y	-2.72	-0.41	-348.35	-2.27	11.04	0.16	CO18
			-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO16
		P_z	-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO16
			-2.72	-0.41	-348.35	-2.27	11.04	0.16	CO18
		M_x	-2.66	-0.48	-329.50	-2.09	10.72	0.16	CO16
			-2.72	-0.41	-348.35	-2.27	11.04	0.16	CO18
		M_y	-2.83	-0.43	-337.51	-2.22	11.08	0.16	CO17
			-2.55	-0.46	-340.33	-2.14	10.68	0.16	CO19
		M_z	-2.55	-0.46	-340.33	-2.14	10.68	0.16	CO19
			-2.83	-0.43	-337.51	-2.22	11.08	0.16	CO17
Extremes			-2.55	-0.41	-329.50	-2.09	11.08	0.16	
45			-2.83	-0.48	-348.35	-2.27	10.68	0.16	
51	SQ DS4	P_x	21.35	61.43	-266.04	-43.33	2.77	-0.06	CO19
			19.84	61.35	-264.73	-43.58	2.60	-0.07	CO17
		P_y	20.56	61.44	-272.08	-43.23	2.70	-0.05	CO18
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO16
		P_z	20.62	61.33	-258.70	-43.68	2.67	-0.08	CO16
			20.56	61.44	-272.08	-43.23	2.70	-0.05	CO18
		M_x	20.56	61.44	-272.08	-43.23	2.70	-0.05	CO18
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO16
		M_y	21.35	61.43	-266.04	-43.33	2.77	-0.06	CO19
			19.84	61.35	-264.73	-43.58	2.60	-0.07	CO17
		M_z	20.56	61.44	-272.08	-43.23	2.70	-0.05	CO18
			20.62	61.33	-258.70	-43.68	2.67	-0.08	CO16
Extremes			21.35	61.44	-258.70	-43.23	2.77	-0.05	
51			19.84	61.33	-272.08	-43.68	2.60	-0.08	
54	SQ DS4	P_x	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO16
			34.30	61.93	-262.98	-44.27	4.50	-0.07	CO18
		P_y	34.30	61.93	-262.98	-44.27	4.50	-0.07	CO18
			34.76	61.88	-249.61	-44.86	4.56	-0.06	CO16
		P_z	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO16
			34.30	61.93	-262.98	-44.27	4.50	-0.07	CO18
		M_x	34.30	61.93	-262.98	-44.27	4.50	-0.07	CO18
			34.76	61.88	-249.61	-44.86	4.56	-0.06	CO16
		M_y	34.76	61.88	-249.61	-44.86	4.56	-0.06	CO16
			34.30	61.93	-262.98	-44.27	4.50	-0.07	CO18
		M_z	34.67	61.88	-256.97	-44.29	4.55	-0.06	CO19
			34.39	61.92	-255.62	-44.84	4.51	-0.07	CO17
Extremes			34.76	61.93	-249.61	-44.27	4.56	-0.06	
54			34.30	61.88	-262.98	-44.86	4.50	-0.07	

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	SLS DS4	P_x	46.52	62.38	-248.32	-45.33	6.03	0.10	CO16
			45.28	62.68	-261.50	-45.31	5.85	0.06	CO18
		P_y	45.28	62.68	-261.50	-45.31	5.85	0.06	CO18
			46.52	62.38	-248.32	-45.33	6.03	0.10	CO16
		P_z	46.52	62.38	-248.32	-45.33	6.03	0.10	CO16
			45.28	62.68	-261.50	-45.31	5.85	0.06	CO18
		M_x	45.88	62.51	-255.46	-45.04	5.94	0.07	CO19
			45.92	62.55	-254.37	-45.60	5.94	0.09	CO17
		M_y	46.52	62.38	-248.32	-45.33	6.03	0.10	CO16
			45.28	62.68	-261.50	-45.31	5.85	0.06	CO18
		M_z	46.52	62.38	-248.32	-45.33	6.03	0.10	CO16
			45.28	62.68	-261.50	-45.31	5.85	0.06	CO18
Extremes			46.52	62.68	-248.32	-45.04	6.03	0.10	
57			45.28	62.38	-261.50	-45.60	5.85	0.06	
60	SLS DS4	P_x	48.81	63.25	-276.11	-42.07	6.28	-1.17	CO17
			47.40	63.57	-275.97	-42.18	6.15	-1.21	CO19
		P_y	47.70	63.76	-285.68	-42.52	6.14	-1.20	CO18
			48.51	63.06	-266.41	-41.73	6.29	-1.18	CO16
		P_z	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO16
			47.70	63.76	-285.68	-42.52	6.14	-1.20	CO18
		M_x	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO16
			47.70	63.76	-285.68	-42.52	6.14	-1.20	CO18
		M_y	48.51	63.06	-266.41	-41.73	6.29	-1.18	CO16
			47.70	63.76	-285.68	-42.52	6.14	-1.20	CO18
		M_z	48.81	63.25	-276.11	-42.07	6.28	-1.17	CO17
			47.40	63.57	-275.97	-42.18	6.15	-1.21	CO19
Extremes			48.81	63.76	-266.41	-41.73	6.29	-1.17	
60			47.40	63.06	-285.68	-42.52	6.14	-1.21	
71	SLS DS4	P_x	-3.37	39.49	-307.65	-2.43	-26.64	-5.80	CO18
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO16
		P_y	-3.37	39.49	-307.65	-2.43	-26.64	-5.80	CO18
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO16
		P_z	-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO16
			-3.37	39.49	-307.65	-2.43	-26.64	-5.80	CO18
		M_x	-5.26	36.67	-297.86	-2.23	-26.08	-5.85	CO19
			-3.47	39.30	-306.20	-2.44	-26.62	-5.80	CO17
		M_y	-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO16
			-3.37	39.49	-307.65	-2.43	-26.64	-5.80	CO18
		M_z	-3.37	39.49	-307.65	-2.43	-26.64	-5.80	CO18
			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO16
Extremes			-3.37	39.49	-296.40	-2.23	-26.05	-5.80	
71			-5.35	36.47	-307.65	-2.44	-26.64	-5.85	
72	SLS DS4	P_x	18.39	-1.27	-305.37	0.53	-8.12	0.08	CO18
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO16
		P_y	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO16
			18.39	-1.27	-305.37	0.53	-8.12	0.08	CO18
		P_z	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO16
			18.39	-1.27	-305.37	0.53	-8.12	0.08	CO18
		M_x	18.39	-1.27	-305.37	0.53	-8.12	0.08	CO18
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO16
		M_y	17.95	-0.91	-282.15	0.06	-8.04	0.06	CO16
			18.39	-1.27	-305.37	0.53	-8.12	0.08	CO18
		M_z	18.39	-1.27	-305.37	0.53	-8.12	0.08	CO18
			17.95	-0.91	-282.15	0.06	-8.04	0.06	CO16
Extremes			18.39	-0.91	-282.15	0.53	-8.04	0.08	
72			17.95	-1.27	-305.37	0.06	-8.12	0.06	
74	SLS DS4	P_x	10.47	-11.45	-180.50	0.00	0.00	0.01	CO18
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO16
		P_y	10.33	-11.33	-178.79	0.00	0.00	0.01	CO17
			10.37	-11.82	-177.59	0.00	0.00	0.01	CO19
		P_z	10.23	-11.69	-175.88	0.00	0.00	0.01	CO16
			10.47	-11.45	-180.50	0.00	0.00	0.01	CO18
		M_x	10.23	-11.69	-175.88	0.00	0.00	0.01	CO16
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO16
		M_y	10.23	-11.69	-175.88	0.00	0.00	0.01	CO16
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO16
		M_z	10.47	-11.45	-180.50	0.00	0.00	0.01	CO18
			10.23	-11.69	-175.88	0.00	0.00	0.01	CO16
Extremes			10.47	-11.33	-175.88	0.00	0.00	0.01	
74			10.23	-11.82	-180.50	0.00	0.00	0.01	
99	SLS DS4	P_x	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
			-16.11	-29.06	-180.26	0.00	0.00	-3.08	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
99		P_y	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
			-16.11	-29.06	-180.26	0.00	0.00	-3.08	CO18
		P_z	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
			-16.11	-29.06	-180.26	0.00	0.00	-3.08	CO18
		M_x	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
		M_y	-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
		M_z	-16.11	-29.06	-180.26	0.00	0.00	-3.08	CO18
			-15.78	-29.02	-178.19	0.00	0.00	-3.10	CO16
Extremes			-15.78	-29.02	-178.19	0.00	0.00	-3.08	
99			-16.11	-29.06	-180.26	0.00	0.00	-3.10	
100	SLS DS4	P_x	71.25	-31.49	-209.00	0.00	0.00	-0.44	CO18
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
		P_y	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
			71.25	-31.49	-209.00	0.00	0.00	-0.44	CO18
		P_z	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
			71.25	-31.49	-209.00	0.00	0.00	-0.44	CO18
		M_x	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
		M_y	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
			68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
		M_z	68.63	-30.40	-200.72	0.00	0.00	-0.42	CO16
			71.25	-31.49	-209.00	0.00	0.00	-0.44	CO18
Extremes			71.25	-30.40	-200.72	0.00	0.00	-0.42	
100			68.63	-31.49	-209.00	0.00	0.00	-0.44	
101	SLS DS4	P_x	74.55	21.87	-163.94	0.00	0.00	0.64	CO18
			72.52	21.03	-158.91	0.00	0.00	0.65	CO16
		P_y	74.55	21.87	-163.94	0.00	0.00	0.64	CO18
			72.52	21.03	-158.91	0.00	0.00	0.65	CO16
		P_z	72.52	21.03	-158.91	0.00	0.00	0.65	CO16
			74.55	21.87	-163.94	0.00	0.00	0.64	CO18
		M_x	72.52	21.03	-158.91	0.00	0.00	0.65	CO16
			72.52	21.03	-158.91	0.00	0.00	0.65	CO16
		M_y	72.52	21.03	-158.91	0.00	0.00	0.65	CO16
			72.52	21.03	-158.91	0.00	0.00	0.65	CO16
		M_z	73.31	21.16	-160.57	0.00	0.00	0.66	CO19
			73.76	21.75	-162.28	0.00	0.00	0.63	CO17
Extremes			74.55	21.87	-158.91	0.00	0.00	0.66	
101			72.52	21.03	-163.94	0.00	0.00	0.63	
135	SLS DS4	P_x	3.79	72.40	-205.65	0.00	0.00	1.18	CO16
			3.15	75.27	-213.55	0.00	0.00	1.15	CO18
		P_y	3.15	75.27	-213.55	0.00	0.00	1.15	CO18
			3.79	72.40	-205.65	0.00	0.00	1.18	CO16
		P_z	3.79	72.40	-205.65	0.00	0.00	1.18	CO16
			3.15	75.27	-213.55	0.00	0.00	1.15	CO18
		M_x	3.79	72.40	-205.65	0.00	0.00	1.18	CO16
			3.79	72.40	-205.65	0.00	0.00	1.18	CO16
		M_y	3.79	72.40	-205.65	0.00	0.00	1.18	CO16
			3.79	72.40	-205.65	0.00	0.00	1.18	CO16
		M_z	3.79	72.40	-205.65	0.00	0.00	1.18	CO16
			3.15	75.27	-213.55	0.00	0.00	1.15	CO18
Extremes			3.79	75.27	-205.65	0.00	0.00	1.18	
135			3.15	72.40	-213.55	0.00	0.00	1.15	
138	SLS DS4	P_x	38.85	-36.75	-55.62	0.00	0.00	0.24	CO19
			38.41	-36.67	-54.61	0.00	0.00	0.25	CO17
		P_y	38.54	-36.64	-54.64	0.00	0.00	0.25	CO18
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO16
		P_z	38.41	-36.67	-54.61	0.00	0.00	0.25	CO17
			38.85	-36.75	-55.62	0.00	0.00	0.24	CO19
		M_x	38.73	-36.77	-55.59	0.00	0.00	0.24	CO16
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO16
		M_y	38.73	-36.77	-55.59	0.00	0.00	0.24	CO16
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO16
		M_z	38.54	-36.64	-54.64	0.00	0.00	0.25	CO18
			38.73	-36.77	-55.59	0.00	0.00	0.24	CO16
Extremes			38.85	-36.64	-54.61	0.00	0.00	0.25	
138			38.41	-36.77	-55.62	0.00	0.00	0.24	
139	SLS DS4	P_x	-16.41	-15.99	-159.97	0.00	0.00	-2.14	CO17
			-16.78	-15.83	-162.07	0.00	0.00	-2.14	CO19
		P_y	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO16
			-16.71	-16.00	-161.87	0.00	0.00	-2.14	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
139		P_z	-16.41	-15.99	-159.97	0.00	0.00	-2.14	CO17
			-16.78	-15.83	-162.07	0.00	0.00	-2.14	CO19
		M_x	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO16
			-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO16
		M_y	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO16
			-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO16
		M_z	-16.48	-15.81	-160.18	0.00	0.00	-2.13	CO16
			-16.71	-16.00	-161.87	0.00	0.00	-2.14	CO18
Extremes			-16.41	-15.81	-159.97	0.00	0.00	-2.13	
139			-16.78	-16.00	-162.07	0.00	0.00	-2.14	
286	SLS DS4	P_x	-0.64	1.89	-342.09	-1.18	-0.15	0.02	CO18
			-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO16
		P_y	-0.66	2.42	-332.82	-1.22	-0.21	0.03	CO19
			-0.65	1.58	-339.40	-1.14	-0.15	0.01	CO17
		P_z	-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO16
			-0.64	1.89	-342.09	-1.18	-0.15	0.02	CO18
		M_x	-0.65	1.58	-339.40	-1.14	-0.15	0.01	CO17
			-0.66	2.42	-332.82	-1.22	-0.21	0.03	CO19
		M_y	-0.64	1.89	-342.09	-1.18	-0.15	0.02	CO18
			-0.66	2.11	-330.14	-1.17	-0.21	0.03	CO16
		M_z	-0.66	2.42	-332.82	-1.22	-0.21	0.03	CO19
			-0.65	1.58	-339.40	-1.14	-0.15	0.01	CO17
Extremes			-0.64	2.42	-330.14	-1.14	-0.15	0.03	
286			-0.66	1.58	-342.09	-1.22	-0.21	0.01	
322	SLS DS4	P_x	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
			-104.52	12.06	-189.04	0.00	0.00	-3.17	CO18
		P_y	-104.52	12.06	-189.04	0.00	0.00	-3.17	CO18
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
		P_z	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
			-104.52	12.06	-189.04	0.00	0.00	-3.17	CO18
		M_x	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
		M_y	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
			-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
		M_z	-101.26	11.70	-183.73	0.00	0.00	-3.07	CO16
			-104.52	12.06	-189.04	0.00	0.00	-3.17	CO18
Extremes			-101.26	12.06	-183.73	0.00	0.00	-3.07	
322			-104.52	11.70	-189.04	0.00	0.00	-3.17	
340	SLS DS4	P_x	-73.75	0.75	-183.04	-1.30	7.18	0.20	CO19
			-77.70	0.90	-192.40	-1.45	7.55	0.22	CO17
		P_y	-77.69	0.90	-192.37	-1.45	7.55	0.22	CO18
			-73.76	0.75	-183.07	-1.31	7.18	0.20	CO16
		P_z	-73.75	0.75	-183.04	-1.30	7.18	0.20	CO19
			-77.70	0.90	-192.40	-1.45	7.55	0.22	CO17
		M_x	-73.75	0.75	-183.04	-1.30	7.18	0.20	CO19
			-77.70	0.90	-192.40	-1.45	7.55	0.22	CO17
		M_y	-77.70	0.90	-192.40	-1.45	7.55	0.22	CO17
			-73.75	0.75	-183.04	-1.30	7.18	0.20	CO19
		M_z	-77.70	0.90	-192.40	-1.45	7.55	0.22	CO17
			-73.75	0.75	-183.04	-1.30	7.18	0.20	CO19
Extremes			-73.75	0.90	-183.04	-1.30	7.55	0.22	
340			-77.70	0.75	-192.40	-1.45	7.18	0.20	
341	SLS DS4	P_x	119.38	0.94	-229.52	-1.46	-7.33	-0.23	CO18
			113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO16
		P_y	119.38	0.94	-229.50	-1.46	-7.33	-0.23	CO17
			113.59	0.94	-218.03	-1.36	-6.96	-0.21	CO19
		P_z	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO16
			119.38	0.94	-229.52	-1.46	-7.33	-0.23	CO18
		M_x	113.59	0.94	-218.03	-1.36	-6.96	-0.21	CO19
			119.38	0.94	-229.50	-1.46	-7.33	-0.23	CO17
		M_y	113.59	0.94	-218.00	-1.36	-6.96	-0.21	CO16
			119.38	0.94	-229.52	-1.46	-7.33	-0.23	CO18
		M_z	113.59	0.94	-218.03	-1.36	-6.96	-0.21	CO19
			119.38	0.94	-229.50	-1.46	-7.33	-0.23	CO17
Extremes			119.38	0.94	-218.00	-1.36	-6.96	-0.21	
341			113.59	0.94	-229.52	-1.46	-7.33	-0.23	
342	SLS DS4	P_x	-85.45	-8.30	-210.70	13.04	10.39	-1.81	CO19
			-93.41	-9.40	-229.13	14.73	11.25	-2.04	CO17
		P_y	-85.45	-8.30	-210.70	13.04	10.39	-1.81	CO19
			-93.41	-9.40	-229.13	14.73	11.25	-2.04	CO17
		P_z	-85.45	-8.30	-210.70	13.04	10.39	-1.81	CO19
			-93.41	-9.40	-229.13	14.73	11.25	-2.04	CO17

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		M_x	-93.41	-9.40	-229.13	14.73	11.25	-2.04	CO17
			-85.45	-8.30	-210.70	13.04	10.39	-1.81	CO19
		M_y	-93.41	-9.40	-229.13	14.73	11.25	-2.04	CO17
			-85.45	-8.30	-210.70	13.04	10.39	-1.81	CO19
		M_z	-85.45	-8.30	-210.70	13.04	10.39	-1.81	CO19
			-93.41	-9.40	-229.13	14.73	11.25	-2.04	CO17
Extremes			-85.45	-8.30	-210.70	14.73	11.25	-1.81	
342			-93.41	-9.40	-229.13	13.04	10.39	-2.04	
343	SLS DS4	P_x	107.15	-10.59	-231.87	15.06	-10.81	2.06	CO18
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO16
		P_y	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO16
			107.15	-10.59	-231.87	15.06	-10.81	2.06	CO18
		P_z	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO16
			107.15	-10.59	-231.87	15.06	-10.81	2.06	CO18
		M_x	107.15	-10.59	-231.87	15.06	-10.81	2.06	CO18
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO16
		M_y	99.80	-9.45	-215.05	13.36	-9.99	1.83	CO16
			107.15	-10.59	-231.87	15.06	-10.81	2.06	CO18
		M_z	107.15	-10.59	-231.87	15.06	-10.81	2.06	CO18
			99.80	-9.45	-215.05	13.36	-9.99	1.83	CO16
Extremes			107.15	-9.45	-215.05	15.06	-9.99	2.06	
343			99.80	-10.59	-231.87	13.36	-10.81	1.83	
365	SLS DS4	P_x	-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
			-37.82	25.15	-453.83	0.00	0.00	0.58	CO18
		P_y	-37.82	25.15	-453.83	0.00	0.00	0.58	CO18
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
		P_z	-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
			-37.82	25.15	-453.83	0.00	0.00	0.58	CO18
		M_x	-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
		M_y	-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
		M_z	-37.82	25.15	-453.83	0.00	0.00	0.58	CO18
			-34.38	24.20	-438.95	0.00	0.00	0.56	CO16
Extremes			-34.38	25.15	-438.95	0.00	0.00	0.58	
365			-37.82	24.20	-453.83	0.00	0.00	0.56	
370	SLS DS4	P_x	106.41	55.46	-558.53	-20.31	-0.02	0.02	CO18
			104.40	54.97	-537.00	-19.38	0.30	0.03	CO16
		P_y	105.89	55.48	-555.17	-20.24	0.00	0.02	CO17
			104.92	54.96	-540.36	-19.45	0.28	0.03	CO19
		P_z	104.40	54.97	-537.00	-19.38	0.30	0.03	CO16
			106.41	55.46	-558.53	-20.31	-0.02	0.02	CO18
		M_x	104.40	54.97	-537.00	-19.38	0.30	0.03	CO16
			106.41	55.46	-558.53	-20.31	-0.02	0.02	CO18
		M_y	104.40	54.97	-537.00	-19.38	0.30	0.03	CO16
			106.41	55.46	-558.53	-20.31	-0.02	0.02	CO18
		M_z	104.40	54.97	-537.00	-19.38	0.30	0.03	CO16
			106.41	55.46	-558.53	-20.31	-0.02	0.02	CO18
Extremes			106.41	55.48	-537.00	-19.38	0.30	0.03	
370			104.40	54.96	-558.53	-20.31	-0.02	0.02	
372	SLS DS4	P_x	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO16
			-0.05	5.84	-534.15	-1.32	0.37	0.03	CO18
		P_y	-0.02	5.91	-528.86	-1.31	0.41	0.03	CO17
			-0.03	5.44	-506.84	-1.26	0.39	0.03	CO19
		P_z	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO16
			-0.05	5.84	-534.15	-1.32	0.37	0.03	CO18
		M_x	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO16
			-0.05	5.84	-534.15	-1.32	0.37	0.03	CO18
		M_y	-0.01	5.51	-501.56	-1.26	0.42	0.03	CO16
			-0.05	5.84	-534.15	-1.32	0.37	0.03	CO18
		M_z	-0.05	5.84	-534.15	-1.32	0.37	0.03	CO18
			-0.01	5.51	-501.56	-1.26	0.42	0.03	CO16
Extremes			-0.01	5.91	-501.56	-1.26	0.42	0.03	
372			-0.05	5.44	-534.15	-1.32	0.37	0.03	
377	SLS DS4	P_x	1.18	-21.32	-587.74	-17.93	-0.08	-0.87	CO17
			1.16	-22.78	-566.49	-17.78	-0.07	-0.86	CO19
		P_y	1.18	-21.32	-587.74	-17.93	-0.08	-0.87	CO17
			1.16	-22.78	-566.49	-17.78	-0.07	-0.86	CO19
		P_z	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO16
			1.17	-21.79	-593.11	-18.11	-0.11	-0.88	CO18
		M_x	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO16
			1.17	-21.79	-593.11	-18.11	-0.11	-0.88	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
377		M_y	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO16
			1.17	-21.79	-593.11	-18.11	-0.11	-0.88	CO18
		M_z	1.16	-22.31	-561.11	-17.60	-0.05	-0.85	CO16
			1.17	-21.79	-593.11	-18.11	-0.11	-0.88	CO18
Extremes			1.18	-21.32	-561.11	-17.60	-0.05	-0.85	
377			1.16	-22.78	-593.11	-18.11	-0.11	-0.88	
415	SLS DS4	P_x	-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO16
			-89.47	58.99	-327.23	1.21	-5.56	-3.85	CO18
		P_y	-89.47	58.99	-327.23	1.21	-5.56	-3.85	CO18
			-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO16
		P_z	-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO16
			-89.47	58.99	-327.23	1.21	-5.56	-3.85	CO18
		M_x	-89.47	58.99	-327.23	1.21	-5.56	-3.85	CO18
			-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO16
		M_y	-89.19	58.80	-326.67	1.21	-5.54	-3.85	CO17
			-88.16	56.62	-313.96	1.20	-5.69	-3.85	CO19
		M_z	-89.47	58.99	-327.23	1.21	-5.56	-3.85	CO18
			-87.88	56.42	-313.40	1.20	-5.66	-3.85	CO16
Extremes			-87.88	58.99	-313.40	1.21	-5.54	-3.85	
415			-89.47	56.42	-327.23	1.20	-5.69	-3.85	
417	SLS DS4	P_x	-31.83	-6.64	-66.42	-3.15	-10.27	5.12	CO17
			-32.59	-6.51	-66.38	-3.14	-10.27	5.13	CO19
		P_y	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO16
			-31.90	-6.96	-67.51	-3.14	-10.32	5.13	CO18
		P_z	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO16
			-31.90	-6.96	-67.51	-3.14	-10.32	5.13	CO18
		M_x	-32.59	-6.51	-66.38	-3.14	-10.27	5.13	CO19
			-31.83	-6.64	-66.42	-3.15	-10.27	5.12	CO17
		M_y	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	CO16
			-31.90	-6.96	-67.51	-3.14	-10.32	5.13	CO18
		M_z	-32.59	-6.51	-66.38	-3.14	-10.27	5.13	CO19
			-31.83	-6.64	-66.42	-3.15	-10.27	5.12	CO17
Extremes			-31.83	-6.19	-65.30	-3.14	-10.23	5.13	
417			-32.59	-6.96	-67.51	-3.15	-10.32	5.12	
419	SLS DS4	P_x	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO16
			-64.25	7.13	-238.92	-1.67	-30.76	0.39	CO18
		P_y	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO16
			-64.25	7.13	-238.92	-1.67	-30.76	0.39	CO18
		P_z	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO16
			-64.25	7.13	-238.92	-1.67	-30.76	0.39	CO18
		M_x	-64.21	7.56	-232.53	-1.66	-30.71	0.39	CO19
			-64.09	7.42	-237.30	-1.69	-30.62	0.38	CO17
		M_y	-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO16
			-64.25	7.13	-238.92	-1.67	-30.76	0.39	CO18
		M_z	-64.25	7.13	-238.92	-1.67	-30.76	0.39	CO18
			-64.06	7.85	-230.92	-1.68	-30.57	0.38	CO16
Extremes			-64.06	7.85	-230.92	-1.66	-30.57	0.39	
419			-64.25	7.13	-238.92	-1.69	-30.76	0.38	
422	SLS DS4	P_x	-1.55	10.69	-184.24	-1.72	0.46	-1.22	CO18
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO16
		P_y	-1.55	10.69	-184.24	-1.72	0.46	-1.22	CO18
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO16
		P_z	-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO16
			-1.55	10.69	-184.24	-1.72	0.46	-1.22	CO18
		M_x	-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO16
			-1.55	10.69	-184.24	-1.72	0.46	-1.22	CO18
		M_y	-1.55	10.69	-184.24	-1.72	0.46	-1.22	CO18
			-1.84	9.30	-180.00	-1.57	0.24	-1.25	CO16
		M_z	-1.61	10.61	-183.44	-1.71	0.44	-1.21	CO17
			-1.78	9.38	-180.79	-1.58	0.26	-1.25	CO19
Extremes			-1.55	10.69	-180.00	-1.57	0.46	-1.21	
422			-1.84	9.30	-184.24	-1.72	0.24	-1.25	
424	SLS DS4	P_x	-62.20	7.84	-288.43	-1.15	-26.80	-0.78	CO17
			-62.46	7.36	-279.03	-1.07	-27.06	-0.74	CO19
		P_y	-62.20	7.84	-288.43	-1.15	-26.80	-0.78	CO17
			-62.46	7.36	-279.03	-1.07	-27.06	-0.74	CO19
		P_z	-62.30	7.46	-277.01	-1.08	-26.92	-0.73	CO16
			-62.37	7.74	-290.45	-1.13	-26.94	-0.79	CO18
		M_x	-62.46	7.36	-279.03	-1.07	-27.06	-0.74	CO19
			-62.20	7.84	-288.43	-1.15	-26.80	-0.78	CO17
		M_y	-62.20	7.84	-288.43	-1.15	-26.80	-0.78	CO17
			-62.46	7.36	-279.03	-1.07	-27.06	-0.74	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
424		M_z	-62.30	7.46	-277.01	-1.08	-26.92	-0.73	CO16
			-62.37	7.74	-290.45	-1.13	-26.94	-0.79	CO18
Extremes			-62.20	7.84	-277.01	-1.07	-26.80	-0.73	
424			-62.46	7.36	-290.45	-1.15	-27.06	-0.79	
443	SLS DS4	P_x	21.65	-20.30	-237.12	-6.76	-3.42	3.79	CO18
			18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO16
		P_y	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO16
			21.65	-20.30	-237.12	-6.76	-3.42	3.79	CO18
		P_z	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO16
			21.65	-20.30	-237.12	-6.76	-3.42	3.79	CO18
		M_x	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO16
			21.65	-20.30	-237.12	-6.76	-3.42	3.79	CO18
		M_y	21.65	-20.30	-237.12	-6.76	-3.42	3.79	CO18
			18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO16
		M_z	18.68	-19.77	-230.12	-6.47	-3.68	3.80	CO16
			21.65	-20.30	-237.12	-6.76	-3.42	3.79	CO18
Extremes			21.65	-19.77	-230.12	-6.47	-3.42	3.80	
443			18.68	-20.30	-237.12	-6.76	-3.68	3.79	
445	SLS DS4	P_x	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO16
			-7.38	-34.83	-215.73	-6.73	6.13	2.84	CO18
		P_y	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO16
			-7.38	-34.83	-215.73	-6.73	6.13	2.84	CO18
		P_z	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO16
			-7.38	-34.83	-215.73	-6.73	6.13	2.84	CO18
		M_x	-7.38	-34.83	-215.73	-6.73	6.13	2.84	CO18
			-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO16
		M_y	-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO16
			-7.38	-34.83	-215.73	-6.73	6.13	2.84	CO18
		M_z	-7.38	-34.83	-215.73	-6.73	6.13	2.84	CO18
			-3.90	-31.89	-206.57	-6.84	6.43	2.82	CO16
Extremes			-3.90	-31.89	-206.57	-6.73	6.43	2.84	
445			-7.38	-34.83	-215.73	-6.84	6.13	2.82	
465	SLS DS4	P_x	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO16
			-1.66	-5.10	-526.92	6.67	-1.92	0.08	CO18
		P_y	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO16
			-1.66	-5.10	-526.92	6.67	-1.92	0.08	CO18
		P_z	-1.49	-4.62	-500.38	6.02	-1.68	0.08	CO16
			-1.66	-5.10	-526.92	6.67	-1.92	0.08	CO18
		M_x	-1.66	-5.10	-524.15	6.67	-1.92	0.08	CO17
			-1.49	-4.62	-503.15	6.02	-1.68	0.08	CO19
		M_y	-1.49	-4.62	-503.15	6.02	-1.68	0.08	CO19
			-1.66	-5.10	-524.15	6.67	-1.92	0.08	CO17
		M_z	-1.49	-4.62	-503.15	6.02	-1.68	0.08	CO19
			-1.66	-5.10	-524.15	6.67	-1.92	0.08	CO17
Extremes			-1.49	-4.62	-500.38	6.67	-1.68	0.08	
465			-1.66	-5.10	-526.92	6.02	-1.92	0.08	
468	SLS DS4	P_x	0.55	-6.13	-569.89	7.84	1.16	0.06	CO18
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO16
		P_y	0.54	-5.53	-542.23	7.02	1.13	0.06	CO19
			0.55	-6.13	-568.62	7.85	1.16	0.06	CO17
		P_z	0.53	-5.53	-540.97	7.03	1.13	0.06	CO16
			0.55	-6.13	-569.89	7.84	1.16	0.06	CO18
		M_x	0.55	-6.13	-568.62	7.85	1.16	0.06	CO17
			0.54	-5.53	-542.23	7.02	1.13	0.06	CO19
		M_y	0.55	-6.13	-569.89	7.84	1.16	0.06	CO18
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO16
		M_z	0.55	-6.13	-569.89	7.84	1.16	0.06	CO18
			0.53	-5.53	-540.97	7.03	1.13	0.06	CO16
Extremes			0.55	-5.53	-540.97	7.85	1.16	0.06	
468			0.53	-6.13	-569.89	7.02	1.13	0.06	
542	SLS DS4	P_x	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO16
			-31.74	-49.46	-195.25	0.00	0.00	0.35	CO18
		P_y	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO16
			-31.74	-49.46	-195.25	0.00	0.00	0.35	CO18
		P_z	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO16
			-31.74	-49.46	-195.25	0.00	0.00	0.35	CO18
		M_x	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO16
			-30.34	-48.26	-191.73	0.00	0.00	0.35	CO16
		M_y	-30.34	-48.26	-191.73	0.00	0.00	0.35	CO16
			-30.34	-48.26	-191.73	0.00	0.00	0.35	CO16
		M_z	-31.74	-49.46	-195.25	0.00	0.00	0.35	CO18
			-30.34	-48.26	-191.73	0.00	0.00	0.35	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			-30.34	-48.26	-191.73	0.00	0.00	0.35	
542			-31.74	-49.46	-195.25	0.00	0.00	0.35	
547	SLS DS4	P_x	20.51	21.97	-94.94	0.00	0.00	0.14	CO19
			20.24	21.62	-94.10	0.00	0.00	0.14	CO17
		P_y	20.51	21.97	-94.94	0.00	0.00	0.14	CO19
			20.24	21.62	-94.10	0.00	0.00	0.14	CO17
		P_z	20.24	21.62	-94.10	0.00	0.00	0.14	CO17
			20.51	21.97	-94.94	0.00	0.00	0.14	CO19
		M_x	20.25	21.71	-94.21	0.00	0.00	0.14	CO16
			20.25	21.71	-94.21	0.00	0.00	0.14	CO16
		M_y	20.25	21.71	-94.21	0.00	0.00	0.14	CO16
			20.25	21.71	-94.21	0.00	0.00	0.14	CO16
		M_z	20.24	21.62	-94.10	0.00	0.00	0.14	CO17
			20.51	21.97	-94.94	0.00	0.00	0.14	CO19
Extremes			20.51	21.97	-94.10	0.00	0.00	0.14	
547			20.24	21.62	-94.94	0.00	0.00	0.14	
548	SLS DS4	P_x	-37.93	-65.82	-163.36	0.00	0.00	1.11	CO17
			-38.17	-66.01	-164.14	0.00	0.00	1.12	CO19
		P_y	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO16
			-37.94	-66.06	-163.92	0.00	0.00	1.11	CO18
		P_z	-37.93	-65.82	-163.36	0.00	0.00	1.11	CO17
			-38.17	-66.01	-164.14	0.00	0.00	1.12	CO19
		M_x	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO16
			-38.17	-65.77	-163.57	0.00	0.00	1.12	CO16
		M_y	-38.17	-65.77	-163.57	0.00	0.00	1.12	CO16
			-38.17	-65.77	-163.57	0.00	0.00	1.12	CO16
		M_z	-38.17	-66.01	-164.14	0.00	0.00	1.12	CO19
			-37.93	-65.82	-163.36	0.00	0.00	1.11	CO17
Extremes			-37.93	-65.77	-163.36	0.00	0.00	1.12	
548			-38.17	-66.06	-164.14	0.00	0.00	1.11	
589	SLS DS4	P_x	0.79	-2.49	-182.94	8.22	2.40	-0.13	CO19
			0.76	-2.43	-177.96	8.03	2.31	-0.13	CO17
		P_y	0.76	-2.43	-177.96	8.03	2.31	-0.13	CO17
			0.79	-2.49	-182.94	8.22	2.40	-0.13	CO19
		P_z	0.76	-2.43	-177.96	8.03	2.31	-0.13	CO17
			0.79	-2.49	-182.94	8.22	2.40	-0.13	CO19
		M_x	0.79	-2.49	-182.94	8.22	2.40	-0.13	CO19
			0.76	-2.43	-177.96	8.03	2.31	-0.13	CO17
		M_y	0.79	-2.49	-182.94	8.22	2.40	-0.13	CO19
			0.76	-2.43	-177.96	8.03	2.31	-0.13	CO17
		M_z	0.77	-2.44	-177.98	8.04	2.32	-0.13	CO16
			0.79	-2.49	-182.92	8.20	2.39	-0.13	CO18
Extremes			0.79	-2.43	-177.96	8.22	2.40	-0.13	
589			0.76	-2.49	-182.94	8.03	2.31	-0.13	
593	SLS DS4	P_x	15.56	51.16	-250.11	-30.46	1.60	-3.89	CO18
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO16
		P_y	15.56	51.16	-250.11	-30.46	1.60	-3.89	CO18
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO16
		P_z	13.16	50.80	-235.11	-30.17	1.35	-3.91	CO16
			15.56	51.16	-250.11	-30.46	1.60	-3.89	CO18
		M_x	13.16	50.80	-235.11	-30.17	1.35	-3.91	CO16
			15.56	51.16	-250.11	-30.46	1.60	-3.89	CO18
		M_y	15.56	51.16	-250.11	-30.46	1.60	-3.89	CO18
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO16
		M_z	15.56	51.16	-250.11	-30.46	1.60	-3.89	CO18
			13.16	50.80	-235.11	-30.17	1.35	-3.91	CO16
Extremes			15.56	51.16	-235.11	-30.17	1.60	-3.89	
593			13.16	50.80	-250.11	-30.46	1.35	-3.91	
607	SLS DS4	P_x	-0.89	-1.98	-167.04	6.27	-3.00	-0.16	CO17
			-0.91	-2.03	-171.25	6.44	-3.08	-0.16	CO19
		P_y	-0.89	-1.98	-167.04	6.27	-3.00	-0.16	CO17
			-0.91	-2.03	-171.25	6.44	-3.08	-0.16	CO19
		P_z	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO16
			-0.91	-2.02	-171.35	6.42	-3.09	-0.16	CO18
		M_x	-0.91	-2.03	-171.25	6.44	-3.08	-0.16	CO19
			-0.89	-1.98	-167.04	6.27	-3.00	-0.16	CO17
		M_y	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO16
			-0.91	-2.02	-171.35	6.42	-3.09	-0.16	CO18
		M_z	-0.89	-1.98	-166.94	6.29	-3.00	-0.16	CO16
			-0.91	-2.02	-171.35	6.42	-3.09	-0.16	CO18
Extremes			-0.89	-1.98	-166.94	6.44	-3.00	-0.16	
607			-0.91	-2.03	-171.35	6.27	-3.09	-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
687	SLS DS4	P_x	-22.70	-28.95	-159.76	0.00	0.00	-1.06	CO18
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO16
		P_y	-22.71	-28.81	-159.86	0.00	0.00	-1.06	CO19
			-22.70	-28.97	-158.75	0.00	0.00	-1.06	CO17
		P_z	-22.70	-28.97	-158.75	0.00	0.00	-1.06	CO17
			-22.71	-28.81	-159.86	0.00	0.00	-1.06	CO19
		M_x	-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO16
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO16
		M_y	-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO16
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO16
		M_z	-22.70	-28.95	-159.76	0.00	0.00	-1.06	CO18
			-22.71	-28.84	-158.85	0.00	0.00	-1.07	CO16
Extremes			-22.70	-28.81	-158.75	0.00	0.00	-1.06	
687			-22.71	-28.97	-159.86	0.00	0.00	-1.07	
688	SLS DS4	P_x	-5.62	-26.57	-158.08	0.00	0.00	4.82	CO18
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO16
		P_y	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO16
			-5.62	-26.57	-158.08	0.00	0.00	4.82	CO18
		P_z	-5.80	-26.57	-156.83	0.00	0.00	4.83	CO17
			-5.66	-26.57	-158.10	0.00	0.00	4.83	CO19
		M_x	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO16
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO16
		M_y	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO16
			-5.83	-26.56	-156.86	0.00	0.00	4.83	CO16
		M_z	-5.83	-26.56	-156.86	0.00	0.00	4.83	CO16
			-5.62	-26.57	-158.08	0.00	0.00	4.82	CO18
Extremes			-5.62	-26.56	-156.83	0.00	0.00	4.83	
688			-5.83	-26.57	-158.10	0.00	0.00	4.82	
689	SLS DS4	P_x	-7.65	-41.13	-185.83	0.00	0.00	1.34	CO18
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO16
		P_y	-7.67	-41.13	-185.84	0.00	0.00	1.34	CO19
			-7.68	-41.13	-184.15	0.00	0.00	1.34	CO17
		P_z	-7.68	-41.13	-184.15	0.00	0.00	1.34	CO17
			-7.67	-41.13	-185.84	0.00	0.00	1.34	CO19
		M_x	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO16
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO16
		M_y	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO16
			-7.70	-41.13	-184.15	0.00	0.00	1.34	CO16
		M_z	-7.70	-41.13	-184.15	0.00	0.00	1.34	CO16
			-7.65	-41.13	-185.83	0.00	0.00	1.34	CO18
Extremes			-7.65	-41.13	-184.15	0.00	0.00	1.34	
689			-7.70	-41.13	-185.84	0.00	0.00	1.34	
690	SLS DS4	P_x	-6.82	-41.72	-188.17	0.00	0.00	-0.05	CO17
			-6.93	-41.72	-189.85	0.00	0.00	-0.05	CO19
		P_y	-6.93	-41.72	-189.85	0.00	0.00	-0.05	CO19
			-6.82	-41.72	-188.17	0.00	0.00	-0.05	CO17
		P_z	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO16
			-6.88	-41.72	-189.91	0.00	0.00	-0.05	CO18
		M_x	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO16
			-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO16
		M_y	-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO16
			-6.87	-41.72	-188.12	0.00	0.00	-0.05	CO16
		M_z	-6.93	-41.72	-189.85	0.00	0.00	-0.05	CO19
			-6.82	-41.72	-188.17	0.00	0.00	-0.05	CO17
Extremes			-6.82	-41.72	-188.12	0.00	0.00	-0.05	
690			-6.93	-41.72	-189.91	0.00	0.00	-0.05	
691	SLS DS4	P_x	-21.29	-31.69	-177.21	0.00	0.00	-2.95	CO17
			-21.62	-31.70	-178.59	0.00	0.00	-2.95	CO19
		P_y	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO16
			-21.51	-31.70	-178.80	0.00	0.00	-2.95	CO18
		P_z	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO16
			-21.51	-31.70	-178.80	0.00	0.00	-2.95	CO18
		M_x	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO16
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO16
		M_y	-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO16
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO16
		M_z	-21.51	-31.70	-178.80	0.00	0.00	-2.95	CO18
			-21.40	-31.69	-177.00	0.00	0.00	-2.95	CO16
Extremes			-21.29	-31.69	-177.00	0.00	0.00	-2.95	
691			-21.62	-31.70	-178.80	0.00	0.00	-2.95	
692	SLS DS4	P_x	1.36	-17.22	-216.42	0.00	0.00	-0.54	CO17
			1.19	-17.22	-215.93	0.00	0.00	-0.57	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
692		P_y	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO16
			1.32	-17.23	-218.31	0.00	0.00	-0.54	CO18
		P_z	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO16
			1.32	-17.23	-218.31	0.00	0.00	-0.54	CO18
		M_x	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO16
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO16
		M_y	1.23	-17.21	-214.04	0.00	0.00	-0.57	CO16
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO16
		M_z	1.32	-17.23	-218.31	0.00	0.00	-0.54	CO18
			1.23	-17.21	-214.04	0.00	0.00	-0.57	CO16
Extremes			1.36	-17.21	-214.04	0.00	0.00	-0.54	
692			1.19	-17.23	-218.31	0.00	0.00	-0.57	
693	SLS DS4	P_x	24.17	-26.79	-230.45	0.00	0.00	1.14	CO17
			23.38	-26.73	-226.73	0.00	0.00	1.14	CO19
		P_y	24.06	-26.73	-231.02	0.00	0.00	1.14	CO18
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO16
		P_z	23.49	-26.80	-226.15	0.00	0.00	1.14	CO16
			24.06	-26.73	-231.02	0.00	0.00	1.14	CO18
		M_x	23.49	-26.80	-226.15	0.00	0.00	1.14	CO16
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO16
		M_y	23.49	-26.80	-226.15	0.00	0.00	1.14	CO16
			23.49	-26.80	-226.15	0.00	0.00	1.14	CO16
		M_z	24.17	-26.79	-230.45	0.00	0.00	1.14	CO17
			23.38	-26.73	-226.73	0.00	0.00	1.14	CO19
Extremes			24.17	-26.73	-226.15	0.00	0.00	1.14	
693			23.38	-26.80	-231.02	0.00	0.00	1.14	
694	SLS DS4	P_x	9.13	-34.63	-224.28	0.00	0.00	0.06	CO17
			8.38	-34.58	-219.57	0.00	0.00	0.08	CO19
		P_y	8.58	-34.56	-219.38	0.00	0.00	0.09	CO16
			8.93	-34.64	-224.47	0.00	0.00	0.06	CO18
		P_z	8.58	-34.56	-219.38	0.00	0.00	0.09	CO16
			8.93	-34.64	-224.47	0.00	0.00	0.06	CO18
		M_x	8.58	-34.56	-219.38	0.00	0.00	0.09	CO16
			8.58	-34.56	-219.38	0.00	0.00	0.09	CO16
		M_y	8.58	-34.56	-219.38	0.00	0.00	0.09	CO16
			8.58	-34.56	-219.38	0.00	0.00	0.09	CO16
		M_z	8.58	-34.56	-219.38	0.00	0.00	0.09	CO16
			8.93	-34.64	-224.47	0.00	0.00	0.06	CO18
Extremes			9.13	-34.56	-219.38	0.00	0.00	0.09	
694			8.38	-34.64	-224.47	0.00	0.00	0.06	
695	SLS DS4	P_x	10.41	-34.50	-232.83	0.00	0.00	0.07	CO17
			9.88	-34.49	-227.00	0.00	0.00	0.07	CO19
		P_y	10.01	-34.49	-226.98	0.00	0.00	0.07	CO16
			10.28	-34.50	-232.84	0.00	0.00	0.07	CO18
		P_z	10.01	-34.49	-226.98	0.00	0.00	0.07	CO16
			10.28	-34.50	-232.84	0.00	0.00	0.07	CO18
		M_x	10.01	-34.49	-226.98	0.00	0.00	0.07	CO16
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO16
		M_y	10.01	-34.49	-226.98	0.00	0.00	0.07	CO16
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO16
		M_z	10.28	-34.50	-232.84	0.00	0.00	0.07	CO18
			10.01	-34.49	-226.98	0.00	0.00	0.07	CO16
Extremes			10.41	-34.49	-226.98	0.00	0.00	0.07	
695			9.88	-34.50	-232.84	0.00	0.00	0.07	
696	SLS DS4	P_x	11.32	-34.76	-235.90	0.00	0.00	-0.02	CO17
			10.99	-34.75	-229.83	0.00	0.00	-0.02	CO19
		P_y	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO16
			11.26	-34.77	-235.91	0.00	0.00	-0.02	CO18
		P_z	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO16
			11.26	-34.77	-235.91	0.00	0.00	-0.02	CO18
		M_x	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO16
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO16
		M_y	11.05	-34.74	-229.82	0.00	0.00	-0.02	CO16
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO16
		M_z	11.26	-34.77	-235.91	0.00	0.00	-0.02	CO18
			11.05	-34.74	-229.82	0.00	0.00	-0.02	CO16
Extremes			11.32	-34.74	-229.82	0.00	0.00	-0.02	
696			10.99	-34.77	-235.91	0.00	0.00	-0.02	
697	SLS DS4	P_x	2.11	-34.92	-238.99	0.00	0.00	0.10	CO19
			1.79	-34.94	-244.58	0.00	0.00	0.09	CO17
		P_y	2.03	-34.90	-238.72	0.00	0.00	0.09	CO16
			1.87	-34.95	-244.86	0.00	0.00	0.10	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
697		P_z	2.03	-34.90	-238.72	0.00	0.00	0.09	CO16
			1.87	-34.95	-244.86	0.00	0.00	0.10	CO18
		M_x	2.03	-34.90	-238.72	0.00	0.00	0.09	CO16
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO16
		M_y	2.03	-34.90	-238.72	0.00	0.00	0.09	CO16
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO16
		M_z	1.87	-34.95	-244.86	0.00	0.00	0.10	CO18
			2.03	-34.90	-238.72	0.00	0.00	0.09	CO16
Extremes			2.11	-34.90	-238.72	0.00	0.00	0.10	
697			1.79	-34.95	-244.86	0.00	0.00	0.09	
698	SLS DS4	P_x	0.33	-32.91	-245.33	0.00	0.00	-0.08	CO19
			-0.40	-32.92	-248.84	0.00	0.00	-0.08	CO17
		P_y	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO16
			-0.24	-32.95	-249.83	0.00	0.00	-0.08	CO18
		P_z	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO16
			-0.24	-32.95	-249.83	0.00	0.00	-0.08	CO18
		M_x	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO16
			0.17	-32.89	-244.35	0.00	0.00	-0.08	CO16
		M_y	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO16
			0.17	-32.89	-244.35	0.00	0.00	-0.08	CO16
		M_z	0.17	-32.89	-244.35	0.00	0.00	-0.08	CO16
			-0.24	-32.95	-249.83	0.00	0.00	-0.08	CO18
Extremes			0.33	-32.89	-244.35	0.00	0.00	-0.08	
698			-0.40	-32.95	-249.83	0.00	0.00	-0.08	
699	SLS DS4	P_x	-4.20	-36.42	-221.73	0.00	0.00	2.08	CO19
			-4.92	-36.41	-222.19	0.00	0.00	2.08	CO17
		P_y	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO16
			-4.83	-36.42	-223.76	0.00	0.00	2.08	CO18
		P_z	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO16
			-4.83	-36.42	-223.76	0.00	0.00	2.08	CO18
		M_x	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO16
			-4.29	-36.41	-220.15	0.00	0.00	2.09	CO16
		M_y	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO16
			-4.29	-36.41	-220.15	0.00	0.00	2.09	CO16
		M_z	-4.29	-36.41	-220.15	0.00	0.00	2.09	CO16
			-4.83	-36.42	-223.76	0.00	0.00	2.08	CO18
Extremes			-4.20	-36.41	-220.15	0.00	0.00	2.09	
699			-4.92	-36.42	-223.76	0.00	0.00	2.08	
700	SLS DS4	P_x	7.67	-29.91	-175.13	0.00	0.00	2.44	CO17
			7.61	-29.91	-176.97	0.00	0.00	2.43	CO19
		P_y	7.62	-29.89	-175.13	0.00	0.00	2.44	CO16
			7.66	-29.92	-176.97	0.00	0.00	2.43	CO18
		P_z	7.62	-29.89	-175.13	0.00	0.00	2.44	CO16
			7.66	-29.92	-176.97	0.00	0.00	2.43	CO18
		M_x	7.62	-29.89	-175.13	0.00	0.00	2.44	CO16
			7.62	-29.89	-175.13	0.00	0.00	2.44	CO16
		M_y	7.62	-29.89	-175.13	0.00	0.00	2.44	CO16
			7.62	-29.89	-175.13	0.00	0.00	2.44	CO16
		M_z	7.62	-29.89	-175.13	0.00	0.00	2.44	CO16
			7.66	-29.92	-176.97	0.00	0.00	2.43	CO18
Extremes			7.67	-29.89	-175.13	0.00	0.00	2.44	
700			7.61	-29.92	-176.97	0.00	0.00	2.43	
703	SLS DS4	P_x	34.55	-14.12	-311.31	0.00	0.00	0.93	CO19
			34.38	-14.15	-317.25	0.00	0.00	0.92	CO17
		P_y	34.55	-14.02	-309.15	0.00	0.00	0.93	CO16
			34.38	-14.26	-319.41	0.00	0.00	0.91	CO18
		P_z	34.55	-14.02	-309.15	0.00	0.00	0.93	CO16
			34.38	-14.26	-319.41	0.00	0.00	0.91	CO18
		M_x	34.55	-14.02	-309.15	0.00	0.00	0.93	CO16
			34.55	-14.02	-309.15	0.00	0.00	0.93	CO16
		M_y	34.55	-14.02	-309.15	0.00	0.00	0.93	CO16
			34.55	-14.02	-309.15	0.00	0.00	0.93	CO16
		M_z	34.55	-14.02	-309.15	0.00	0.00	0.93	CO16
			34.38	-14.26	-319.41	0.00	0.00	0.91	CO18
Extremes			34.55	-14.02	-309.15	0.00	0.00	0.93	
703			34.38	-14.26	-319.41	0.00	0.00	0.91	
704	SLS DS4	P_x	30.90	15.95	-320.85	0.00	0.00	-1.91	CO16
			30.84	16.61	-331.17	0.00	0.00	-1.87	CO18
		P_y	30.84	16.61	-331.17	0.00	0.00	-1.87	CO18
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO16
		P_z	30.90	15.95	-320.85	0.00	0.00	-1.91	CO16
			30.84	16.61	-331.17	0.00	0.00	-1.87	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
704		M_x	30.90	15.95	-320.85	0.00	0.00	-1.91	CO16
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO16
		M_y	30.90	15.95	-320.85	0.00	0.00	-1.91	CO16
			30.90	15.95	-320.85	0.00	0.00	-1.91	CO16
		M_z	30.85	16.39	-328.90	0.00	0.00	-1.87	CO17
			30.90	16.18	-323.13	0.00	0.00	-1.91	CO19
Extremes			30.90	16.61	-320.85	0.00	0.00	-1.87	
704			30.84	15.95	-331.17	0.00	0.00	-1.91	
705	SLS DS4	P_x	32.28	0.56	-354.86	0.00	0.00	0.97	CO18
			32.26	0.56	-343.60	0.00	0.00	0.97	CO16
		P_y	32.28	0.84	-352.34	0.00	0.00	0.97	CO17
			32.26	0.28	-346.12	0.00	0.00	0.98	CO19
		P_z	32.26	0.56	-343.60	0.00	0.00	0.97	CO16
			32.28	0.56	-354.86	0.00	0.00	0.97	CO18
		M_x	32.26	0.56	-343.60	0.00	0.00	0.97	CO16
			32.26	0.56	-343.60	0.00	0.00	0.97	CO16
		M_y	32.26	0.56	-343.60	0.00	0.00	0.97	CO16
			32.26	0.56	-343.60	0.00	0.00	0.97	CO16
		M_z	32.26	0.28	-346.12	0.00	0.00	0.98	CO19
			32.28	0.84	-352.34	0.00	0.00	0.97	CO17
Extremes			32.28	0.84	-343.60	0.00	0.00	0.98	
705			32.26	0.28	-354.86	0.00	0.00	0.97	
706	SLS DS4	P_x	34.84	7.95	-318.99	0.00	0.00	-0.05	CO19
			34.83	7.74	-324.78	0.00	0.00	-0.05	CO17
		P_y	34.83	8.14	-317.04	0.00	0.00	-0.05	CO16
			34.84	7.55	-326.73	0.00	0.00	-0.05	CO18
		P_z	34.83	8.14	-317.04	0.00	0.00	-0.05	CO16
			34.84	7.55	-326.73	0.00	0.00	-0.05	CO18
		M_x	34.83	8.14	-317.04	0.00	0.00	-0.05	CO16
			34.83	8.14	-317.04	0.00	0.00	-0.05	CO16
		M_y	34.83	8.14	-317.04	0.00	0.00	-0.05	CO16
			34.83	8.14	-317.04	0.00	0.00	-0.05	CO16
		M_z	34.83	7.74	-324.78	0.00	0.00	-0.05	CO17
			34.84	7.95	-318.99	0.00	0.00	-0.05	CO19
Extremes			34.84	8.14	-317.04	0.00	0.00	-0.05	
706			34.83	7.55	-326.73	0.00	0.00	-0.05	
709	SLS DS4	P_x	27.14	25.24	-274.27	0.00	0.00	-2.26	CO19
			27.12	24.76	-277.65	0.00	0.00	-2.26	CO17
		P_y	27.14	25.36	-273.00	0.00	0.00	-2.26	CO16
			27.12	24.63	-278.92	0.00	0.00	-2.26	CO18
		P_z	27.14	25.36	-273.00	0.00	0.00	-2.26	CO16
			27.12	24.63	-278.92	0.00	0.00	-2.26	CO18
		M_x	27.14	25.36	-273.00	0.00	0.00	-2.26	CO16
			27.14	25.36	-273.00	0.00	0.00	-2.26	CO16
		M_y	27.14	25.36	-273.00	0.00	0.00	-2.26	CO16
			27.14	25.36	-273.00	0.00	0.00	-2.26	CO16
		M_z	27.14	25.36	-273.00	0.00	0.00	-2.26	CO16
			27.12	24.63	-278.92	0.00	0.00	-2.26	CO18
Extremes			27.14	25.36	-273.00	0.00	0.00	-2.26	
709			27.12	24.63	-278.92	0.00	0.00	-2.26	
710	SLS DS4	P_x	28.21	28.87	-261.05	0.00	0.00	1.54	CO16
			26.50	28.86	-267.59	0.00	0.00	1.54	CO18
		P_y	28.21	28.87	-261.05	0.00	0.00	1.54	CO16
			26.50	28.86	-267.59	0.00	0.00	1.54	CO18
		P_z	28.21	28.87	-261.05	0.00	0.00	1.54	CO16
			26.50	28.86	-267.59	0.00	0.00	1.54	CO18
		M_x	28.21	28.87	-261.05	0.00	0.00	1.54	CO16
			28.21	28.87	-261.05	0.00	0.00	1.54	CO16
		M_y	28.21	28.87	-261.05	0.00	0.00	1.54	CO16
			28.21	28.87	-261.05	0.00	0.00	1.54	CO16
		M_z	26.50	28.86	-267.59	0.00	0.00	1.54	CO18
			28.21	28.87	-261.05	0.00	0.00	1.54	CO16
Extremes			28.21	28.87	-261.05	0.00	0.00	1.54	
710			26.50	28.86	-267.59	0.00	0.00	1.54	
711	SLS DS4	P_x	52.82	29.26	-292.18	0.00	0.00	-1.52	CO19
			51.97	29.25	-298.36	0.00	0.00	-1.53	CO17
		P_y	52.82	29.26	-292.18	0.00	0.00	-1.52	CO19
			51.97	29.25	-298.36	0.00	0.00	-1.53	CO17
		P_z	52.69	29.26	-290.38	0.00	0.00	-1.52	CO16
			52.10	29.25	-300.16	0.00	0.00	-1.53	CO18
		M_x	52.69	29.26	-290.38	0.00	0.00	-1.52	CO16
			52.69	29.26	-290.38	0.00	0.00	-1.52	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
711		M_y	52.69	29.26	-290.38	0.00	0.00	-1.52	CO16
			52.69	29.26	-290.38	0.00	0.00	-1.52	CO16
		M_z	52.69	29.26	-290.38	0.00	0.00	-1.52	CO16
			52.10	29.25	-300.16	0.00	0.00	-1.53	CO18
Extremes			52.82	29.26	-290.38	0.00	0.00	-1.52	
711			51.97	29.25	-300.16	0.00	0.00	-1.53	
717	SLS DS4	P_x	14.44	33.30	-142.31	0.00	0.00	0.24	CO19
			13.40	33.24	-143.57	0.00	0.00	0.24	CO17
		P_y	14.09	33.32	-146.90	0.00	0.00	0.24	CO18
			13.75	33.22	-138.97	0.00	0.00	0.24	CO16
		P_z	13.75	33.22	-138.97	0.00	0.00	0.24	CO16
			14.09	33.32	-146.90	0.00	0.00	0.24	CO18
		M_x	13.75	33.22	-138.97	0.00	0.00	0.24	CO16
			13.75	33.22	-138.97	0.00	0.00	0.24	CO16
		M_y	13.75	33.22	-138.97	0.00	0.00	0.24	CO16
			13.75	33.22	-138.97	0.00	0.00	0.24	CO16
		M_z	13.75	33.22	-138.97	0.00	0.00	0.24	CO16
			14.09	33.32	-146.90	0.00	0.00	0.24	CO18
Extremes			14.44	33.32	-138.97	0.00	0.00	0.24	
717			13.40	33.22	-146.90	0.00	0.00	0.24	
718	SLS DS4	P_x	19.64	32.26	-140.46	0.00	0.00	0.01	CO19
			19.19	32.17	-140.13	0.00	0.00	0.01	CO17
		P_y	19.48	32.27	-143.35	0.00	0.00	0.01	CO18
			19.36	32.15	-137.24	0.00	0.00	0.01	CO16
		P_z	19.36	32.15	-137.24	0.00	0.00	0.01	CO16
			19.48	32.27	-143.35	0.00	0.00	0.01	CO18
		M_x	19.36	32.15	-137.24	0.00	0.00	0.01	CO16
			19.36	32.15	-137.24	0.00	0.00	0.01	CO16
		M_y	19.36	32.15	-137.24	0.00	0.00	0.01	CO16
			19.36	32.15	-137.24	0.00	0.00	0.01	CO16
		M_z	19.19	32.17	-140.13	0.00	0.00	0.01	CO17
			19.64	32.26	-140.46	0.00	0.00	0.01	CO19
Extremes			19.64	32.27	-137.24	0.00	0.00	0.01	
718			19.19	32.15	-143.35	0.00	0.00	0.01	
719	SLS DS4	P_x	29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
			28.21	32.30	-140.12	0.00	0.00	-0.01	CO18
		P_y	28.21	32.30	-140.12	0.00	0.00	-0.01	CO18
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
		P_z	29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
			28.21	32.30	-140.12	0.00	0.00	-0.01	CO18
		M_x	29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
		M_y	29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
		M_z	28.21	32.30	-140.12	0.00	0.00	-0.01	CO18
			29.03	32.19	-133.85	0.00	0.00	-0.01	CO16
Extremes			29.03	32.30	-133.85	0.00	0.00	-0.01	
719			28.21	32.19	-140.12	0.00	0.00	-0.01	
720	SLS DS4	P_x	34.04	32.27	-137.43	0.00	0.00	0.01	CO16
			33.54	32.35	-145.07	0.00	0.00	0.02	CO18
		P_y	33.54	32.35	-145.07	0.00	0.00	0.02	CO18
			34.04	32.27	-137.43	0.00	0.00	0.01	CO16
		P_z	34.04	32.27	-137.43	0.00	0.00	0.01	CO16
			33.54	32.35	-145.07	0.00	0.00	0.02	CO18
		M_x	34.04	32.27	-137.43	0.00	0.00	0.01	CO16
			34.04	32.27	-137.43	0.00	0.00	0.01	CO16
		M_y	34.04	32.27	-137.43	0.00	0.00	0.01	CO16
			34.04	32.27	-137.43	0.00	0.00	0.01	CO16
		M_z	33.54	32.35	-145.07	0.00	0.00	0.02	CO18
			34.04	32.27	-137.43	0.00	0.00	0.01	CO16
Extremes			34.04	32.35	-137.43	0.00	0.00	0.02	
720			33.54	32.27	-145.07	0.00	0.00	0.01	
721	SLS DS4	P_x	22.62	38.40	-145.80	0.00	0.00	0.20	CO16
			20.16	38.43	-155.29	0.00	0.00	0.22	CO18
		P_y	21.09	38.44	-148.49	0.00	0.00	0.22	CO19
			21.68	38.38	-152.60	0.00	0.00	0.21	CO17
		P_z	22.62	38.40	-145.80	0.00	0.00	0.20	CO16
			20.16	38.43	-155.29	0.00	0.00	0.22	CO18
		M_x	22.62	38.40	-145.80	0.00	0.00	0.20	CO16
			22.62	38.40	-145.80	0.00	0.00	0.20	CO16
		M_y	22.62	38.40	-145.80	0.00	0.00	0.20	CO16
			22.62	38.40	-145.80	0.00	0.00	0.20	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
721		M_z	20.16	38.43	-155.29	0.00	0.00	0.22	CO18
			22.62	38.40	-145.80	0.00	0.00	0.20	CO16
Extremes			22.62	38.44	-145.80	0.00	0.00	0.22	
721			20.16	38.38	-155.29	0.00	0.00	0.20	
747	SLS DS4	P_x	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO16
			-2.55	0.16	-285.21	-0.60	14.83	0.03	CO18
		P_y	-2.55	0.16	-285.21	-0.60	14.83	0.03	CO18
			-0.75	0.15	-273.27	-0.57	14.06	0.02	CO16
		P_z	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO16
			-2.55	0.16	-285.21	-0.60	14.83	0.03	CO18
		M_x	-0.75	0.15	-273.27	-0.57	14.06	0.02	CO16
			-2.55	0.16	-285.21	-0.60	14.83	0.03	CO18
		M_y	-2.55	0.16	-285.21	-0.60	14.83	0.03	CO18
			-0.75	0.15	-273.27	-0.57	14.06	0.02	CO16
		M_z	-2.38	0.16	-282.74	-0.59	14.67	0.03	CO17
			-0.92	0.15	-275.75	-0.57	14.21	0.02	CO19
Extremes			-0.75	0.16	-273.27	-0.57	14.83	0.03	
747			-2.55	0.15	-285.21	-0.60	14.06	0.02	
749	SLS DS4	P_x	-0.28	13.81	-212.63	0.00	0.00	0.44	CO17
			-0.29	13.05	-212.32	0.00	0.00	0.45	CO19
		P_y	-0.28	14.03	-214.90	0.00	0.00	0.44	CO18
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO16
		P_z	-0.29	12.83	-210.05	0.00	0.00	0.45	CO16
			-0.28	14.03	-214.90	0.00	0.00	0.44	CO18
		M_x	-0.29	12.83	-210.05	0.00	0.00	0.45	CO16
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO16
		M_y	-0.29	12.83	-210.05	0.00	0.00	0.45	CO16
			-0.29	12.83	-210.05	0.00	0.00	0.45	CO16
		M_z	-0.29	13.05	-212.32	0.00	0.00	0.45	CO19
			-0.28	13.81	-212.63	0.00	0.00	0.44	CO17
Extremes			-0.28	14.03	-210.05	0.00	0.00	0.45	
749			-0.29	12.83	-214.90	0.00	0.00	0.44	
750	SLS DS4	P_x	0.24	-24.13	-164.96	0.00	0.00	-0.28	CO17
			0.20	-22.65	-160.18	0.00	0.00	-0.25	CO19
		P_y	0.20	-22.65	-160.18	0.00	0.00	-0.25	CO19
			0.24	-24.13	-164.96	0.00	0.00	-0.28	CO17
		P_z	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO16
			0.24	-24.04	-165.82	0.00	0.00	-0.28	CO18
		M_x	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO16
			0.20	-22.74	-159.32	0.00	0.00	-0.25	CO16
		M_y	0.20	-22.74	-159.32	0.00	0.00	-0.25	CO16
			0.20	-22.74	-159.32	0.00	0.00	-0.25	CO16
		M_z	0.20	-22.65	-160.18	0.00	0.00	-0.25	CO19
			0.24	-24.13	-164.96	0.00	0.00	-0.28	CO17
Extremes			0.24	-22.65	-159.32	0.00	0.00	-0.25	
750			0.20	-24.13	-165.82	0.00	0.00	-0.28	
751	SLS DS4	P_x	6.64	-0.07	-103.41	0.00	0.00	0.00	CO18
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
		P_y	6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
			6.64	-0.07	-103.41	0.00	0.00	0.00	CO18
		P_z	6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
			6.64	-0.07	-103.41	0.00	0.00	0.00	CO18
		M_x	6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
		M_y	6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
		M_z	6.64	-0.07	-103.41	0.00	0.00	0.00	CO18
			6.03	-0.04	-98.72	0.00	0.00	0.00	CO16
Extremes			6.64	-0.04	-98.72	0.00	0.00	0.00	
751			6.03	-0.07	-103.41	0.00	0.00	0.00	
752	SLS DS4	P_x	2.47	-0.03	-140.51	0.00	0.00	-0.01	CO19
			2.20	-0.02	-144.30	0.00	0.00	0.00	CO17
		P_y	2.34	-0.02	-140.05	0.00	0.00	0.00	CO16
			2.34	-0.03	-144.75	0.00	0.00	-0.01	CO18
		P_z	2.34	-0.02	-140.05	0.00	0.00	0.00	CO16
			2.34	-0.03	-144.75	0.00	0.00	-0.01	CO18
		M_x	2.34	-0.02	-140.05	0.00	0.00	0.00	CO16
			2.34	-0.02	-140.05	0.00	0.00	0.00	CO16
		M_y	2.34	-0.02	-140.05	0.00	0.00	0.00	CO16
			2.34	-0.02	-140.05	0.00	0.00	0.00	CO16
		M_z	2.34	-0.02	-140.05	0.00	0.00	0.00	CO16
			2.34	-0.03	-144.75	0.00	0.00	-0.01	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
Extremes			2.47	-0.02	-140.05	0.00	0.00	0.00	
752			2.20	-0.03	-144.75	0.00	0.00	-0.01	
753	SLS DS4	P_x	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO16
			-5.23	-1.64	-223.17	0.00	0.00	-0.03	CO18
		P_y	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO16
			-5.23	-1.64	-223.17	0.00	0.00	-0.03	CO18
		P_z	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO16
			-5.23	-1.64	-223.17	0.00	0.00	-0.03	CO18
		M_x	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO16
			-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO16
		M_y	-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO16
			-4.52	-1.61	-213.51	0.00	0.00	-0.03	CO16
		M_z	-5.13	-1.62	-218.06	0.00	0.00	-0.03	CO19
			-4.62	-1.63	-218.62	0.00	0.00	-0.03	CO17
Extremes			-4.52	-1.61	-213.51	0.00	0.00	-0.03	
753			-5.23	-1.64	-223.17	0.00	0.00	-0.03	
754	SLS DS4	P_x	25.73	-0.55	-159.64	0.00	0.00	0.01	CO18
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
		P_y	24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
			25.73	-0.55	-159.64	0.00	0.00	0.01	CO18
		P_z	24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
			25.73	-0.55	-159.64	0.00	0.00	0.01	CO18
		M_x	24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
		M_y	24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
			24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
		M_z	24.71	-0.55	-153.34	0.00	0.00	0.01	CO16
			25.73	-0.55	-159.64	0.00	0.00	0.01	CO18
Extremes			25.73	-0.55	-153.34	0.00	0.00	0.01	
754			24.71	-0.55	-159.64	0.00	0.00	0.01	
772	SLS DS4	P_x	35.22	1.77	-421.30	-8.13	67.84	-0.15	CO18
			30.71	1.85	-389.59	-7.97	60.06	-0.14	CO16
		P_y	30.71	1.85	-389.59	-7.97	60.06	-0.14	CO16
			35.22	1.77	-421.30	-8.13	67.84	-0.15	CO18
		P_z	30.73	1.85	-389.58	-7.96	60.15	-0.14	CO19
			35.20	1.77	-421.30	-8.13	67.75	-0.15	CO17
		M_x	30.73	1.85	-389.58	-7.96	60.15	-0.14	CO19
			35.20	1.77	-421.30	-8.13	67.75	-0.15	CO17
		M_y	35.22	1.77	-421.30	-8.13	67.84	-0.15	CO18
			30.71	1.85	-389.59	-7.97	60.06	-0.14	CO16
		M_z	30.73	1.85	-389.58	-7.96	60.15	-0.14	CO19
			35.20	1.77	-421.30	-8.13	67.75	-0.15	CO17
Extremes			35.22	1.85	-389.58	-7.96	67.84	-0.14	
772			30.71	1.77	-421.30	-8.13	60.06	-0.15	
779	SLS DS4	P_x	3.64	-29.46	-77.17	0.00	0.00	0.33	CO18
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO16
		P_y	3.61	-29.19	-76.95	0.00	0.00	0.30	CO16
			3.64	-29.46	-77.17	0.00	0.00	0.33	CO18
		P_z	3.64	-29.26	-76.91	0.00	0.00	0.33	CO17
			3.61	-29.39	-77.21	0.00	0.00	0.30	CO19
		M_x	3.61	-29.19	-76.95	0.00	0.00	0.30	CO16
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO16
		M_y	3.61	-29.19	-76.95	0.00	0.00	0.30	CO16
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO16
		M_z	3.64	-29.46	-77.17	0.00	0.00	0.33	CO18
			3.61	-29.19	-76.95	0.00	0.00	0.30	CO16
Extremes			3.64	-29.19	-76.91	0.00	0.00	0.33	
779			3.61	-29.46	-77.21	0.00	0.00	0.30	
783	SLS DS4	P_x	33.00	-0.17	-110.40	0.00	0.00	0.06	CO18
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO16
		P_y	32.02	-0.15	-105.70	0.00	0.00	0.05	CO19
			32.86	-0.17	-110.07	0.00	0.00	0.06	CO17
		P_z	31.88	-0.15	-105.38	0.00	0.00	0.05	CO16
			33.00	-0.17	-110.40	0.00	0.00	0.06	CO18
		M_x	31.88	-0.15	-105.38	0.00	0.00	0.05	CO16
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO16
		M_y	31.88	-0.15	-105.38	0.00	0.00	0.05	CO16
			31.88	-0.15	-105.38	0.00	0.00	0.05	CO16
		M_z	32.86	-0.17	-110.07	0.00	0.00	0.06	CO17
			32.02	-0.15	-105.70	0.00	0.00	0.05	CO19
Extremes			33.00	-0.15	-105.38	0.00	0.00	0.06	
783			31.88	-0.17	-110.40	0.00	0.00	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
785	SLS DS4	P_x	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
			-66.48	16.21	-220.42	0.00	0.00	-2.54	CO18
		P_y	-66.48	16.21	-220.42	0.00	0.00	-2.54	CO18
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
		P_z	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
			-66.48	16.21	-220.42	0.00	0.00	-2.54	CO18
		M_x	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
		M_y	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
			-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
		M_z	-63.15	15.59	-214.71	0.00	0.00	-2.43	CO16
			-66.48	16.21	-220.42	0.00	0.00	-2.54	CO18
Extremes			-63.15	16.21	-214.71	0.00	0.00	-2.43	
785			-66.48	15.59	-220.42	0.00	0.00	-2.54	
799	SLS DS4	P_x	55.11	-1.32	-322.93	0.00	0.00	0.11	CO18
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO16
		P_y	53.10	-1.28	-310.12	0.00	0.00	0.11	CO16
			55.11	-1.32	-322.93	0.00	0.00	0.11	CO18
		P_z	53.10	-1.28	-310.12	0.00	0.00	0.11	CO16
			55.11	-1.32	-322.93	0.00	0.00	0.11	CO18
		M_x	53.10	-1.28	-310.12	0.00	0.00	0.11	CO16
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO16
		M_y	53.10	-1.28	-310.12	0.00	0.00	0.11	CO16
			53.10	-1.28	-310.12	0.00	0.00	0.11	CO16
		M_z	53.73	-1.29	-316.03	0.00	0.00	0.11	CO19
			54.48	-1.31	-317.01	0.00	0.00	0.11	CO17
Extremes			55.11	-1.28	-310.12	0.00	0.00	0.11	
799			53.10	-1.32	-322.93	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	SLS DS4	P_x	121.87	-2.11	-519.09	-10.85	27.71	0.37	CO18
322			-104.52	12.06	-189.04	0.00	0.00	-3.17	CO18
135		P_y	3.15	75.27	-213.55	0.00	0.00	1.15	CO18
548			-37.94	-66.06	-163.92	0.00	0.00	1.11	CO18
138		P_z	38.41	-36.67	-54.61	0.00	0.00	0.25	CO17
377			1.17	-21.79	-593.11	-18.11	-0.11	-0.88	CO18
343		M_x	107.15	-10.59	-231.87	15.06	-10.81	2.06	CO18
57			45.92	62.55	-254.37	-45.60	5.94	0.09	CO17
772		M_y	35.22	1.77	-421.30	-8.13	67.84	-0.15	CO18
419			-64.25	7.13	-238.92	-1.67	-30.76	0.39	CO18
417		M_z	-32.59	-6.51	-66.38	-3.14	-10.27	5.13	CO19
71			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	CO16
20	ULS CO1		-75.15	-3.61	-635.84	-9.59	24.26	2.43	
25	ULS CO1		-4.69	-5.22	-551.98	7.39	-25.88	-2.62	
32	ULS CO1		-27.88	-6.92	-457.98	7.81	-12.26	-0.62	
39	ULS CO1		158.44	-2.67	-675.75	-14.21	36.37	0.50	
45	ULS CO1		-3.60	-0.65	-444.82	-2.82	14.47	0.21	
51	ULS CO1		27.84	82.80	-349.24	-58.97	3.61	-0.11	
54	ULS CO1		46.92	83.53	-336.97	-60.56	6.16	-0.08	
57	ULS CO1		62.81	84.21	-335.24	-61.19	8.14	0.13	
60	ULS CO1		65.49	85.12	-359.65	-56.33	8.50	-1.59	
71	ULS CO1		-7.22	49.24	-400.14	-3.01	-35.17	-7.90	
72	ULS CO1		24.23	-1.23	-380.90	0.08	-10.86	0.08	
74	ULS CO1		13.81	-15.78	-237.43	0.00	0.00	0.01	
99	ULS CO1		-21.31	-39.18	-240.56	0.00	0.00	-4.18	
100	ULS CO1		92.65	-41.03	-270.98	0.00	0.00	-0.57	
101	ULS CO1		97.91	28.40	-214.52	0.00	0.00	0.88	
135	ULS CO1		5.11	97.74	-277.63	0.00	0.00	1.59	
138	ULS CO1		52.28	-49.64	-75.05	0.00	0.00	0.32	
139	ULS CO1		-22.25	-21.35	-216.24	0.00	0.00	-2.88	
286	ULS CO1		-0.89	2.84	-445.68	-1.59	-0.29	0.03	
322	ULS CO1		-136.69	15.79	-248.04	0.00	0.00	-4.15	
340	ULS CO1		-99.57	1.01	-247.15	-1.76	9.69	0.28	
341	ULS CO1		153.35	1.27	-294.30	-1.84	-9.40	-0.28	
342	ULS CO1		-115.36	-11.21	-284.51	17.60	14.02	-2.44	
343	ULS CO1		134.73	-12.76	-290.32	18.04	-13.49	2.46	
365	ULS CO1		-46.42	32.67	-592.58	0.00	0.00	0.76	
370	ULS CO1		140.94	74.21	-724.96	-26.16	0.40	0.05	
372	ULS CO1		-0.01	7.44	-677.11	-1.70	0.57	0.04	
377	ULS CO1		1.57	-30.12	-757.50	-23.76	-0.06	-1.15	
415	ULS CO1		-118.63	76.17	-423.09	1.62	-7.65	-5.20	
417	ULS CO1		-43.90	-8.36	-88.15	-4.24	-13.81	6.92	
419	ULS CO1		-86.48	10.59	-311.74	-2.27	-41.27	0.51	
422	ULS CO1		-2.49	12.56	-243.00	-2.12	0.32	-1.68	
424	ULS CO1		-84.10	10.08	-373.96	-1.46	-36.34	-0.99	

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
443	ULS CO1		25.22	-26.69	-310.66	-8.74	-4.97	5.13	
445	ULS CO1		-5.27	-43.05	-278.86	-9.24	8.68	3.81	
465	ULS CO1		-2.01	-6.24	-675.51	8.13	-2.27	0.10	
468	ULS CO1		0.72	-7.47	-730.30	9.50	1.52	0.08	
542	ULS CO1		-40.96	-65.15	-258.84	0.00	0.00	0.48	
547	ULS CO1		27.33	29.31	-127.18	0.00	0.00	0.19	
548	ULS CO1		-51.53	-88.78	-220.82	0.00	0.00	1.51	
589	ULS CO1		1.04	-3.29	-240.27	10.85	3.14	-0.18	
593	ULS CO1		17.77	68.59	-317.40	-40.73	1.83	-5.28	
607	ULS CO1		-1.20	-2.67	-225.37	8.49	-4.04	-0.21	
687	ULS CO1		-30.66	-38.93	-214.45	0.00	0.00	-1.44	
688	ULS CO1		-7.87	-35.86	-211.77	0.00	0.00	6.52	
689	ULS CO1		-10.39	-55.52	-248.60	0.00	0.00	1.81	
690	ULS CO1		-9.28	-56.33	-253.96	0.00	0.00	-0.06	
691	ULS CO1		-28.89	-42.78	-238.95	0.00	0.00	-3.99	
692	ULS CO1		1.67	-23.23	-288.95	0.00	0.00	-0.77	
693	ULS CO1		31.71	-36.18	-305.31	0.00	0.00	1.54	
694	ULS CO1		11.59	-46.66	-296.16	0.00	0.00	0.12	
695	ULS CO1		13.52	-46.56	-306.43	0.00	0.00	0.10	
696	ULS CO1		14.92	-46.90	-310.26	0.00	0.00	-0.03	
697	ULS CO1		2.74	-47.12	-322.27	0.00	0.00	0.13	
698	ULS CO1		0.23	-44.40	-329.87	0.00	0.00	-0.10	
699	ULS CO1		-5.79	-49.15	-297.21	0.00	0.00	2.82	
700	ULS CO1		10.29	-40.35	-236.42	0.00	0.00	3.29	
703	ULS CO1		46.64	-18.93	-417.35	0.00	0.00	1.26	
704	ULS CO1		41.72	21.53	-433.15	0.00	0.00	-2.57	
705	ULS CO1		43.55	0.75	-463.86	0.00	0.00	1.32	
706	ULS CO1		47.03	10.99	-428.00	0.00	0.00	-0.07	
709	ULS CO1		36.64	34.24	-368.55	0.00	0.00	-3.05	
710	ULS CO1		38.08	38.97	-352.42	0.00	0.00	2.08	
711	ULS CO1		71.13	39.50	-392.01	0.00	0.00	-2.06	
717	ULS CO1		18.56	44.85	-187.62	0.00	0.00	0.33	
718	ULS CO1		26.13	43.40	-185.28	0.00	0.00	0.02	
719	ULS CO1		39.19	43.46	-180.69	0.00	0.00	-0.02	
720	ULS CO1		45.95	43.56	-185.53	0.00	0.00	0.01	
721	ULS CO1		30.53	51.84	-196.83	0.00	0.00	0.28	
747	ULS CO1		-1.01	0.20	-368.92	-0.77	18.98	0.03	
749	ULS CO1		-0.39	17.32	-283.57	0.00	0.00	0.60	
750	ULS CO1		0.27	-30.69	-215.08	0.00	0.00	-0.34	
751	ULS CO1		8.14	-0.06	-133.27	0.00	0.00	0.00	
752	ULS CO1		3.15	-0.02	-189.07	0.00	0.00	0.00	
753	ULS CO1		-6.10	-2.17	-288.24	0.00	0.00	-0.04	
754	ULS CO1		33.36	-0.74	-207.01	0.00	0.00	0.01	
772	ULS CO1		41.46	2.49	-525.94	-10.75	81.09	-0.20	
779	ULS CO1		4.88	-39.41	-103.88	0.00	0.00	0.40	
783	ULS CO1		43.04	-0.20	-142.26	0.00	0.00	0.07	
785	ULS CO1		-85.25	21.05	-289.86	0.00	0.00	-3.29	
799	ULS CO1		71.69	-1.73	-418.66	0.00	0.00	0.14	
	Total max/min values with corresponding values								
39	ULS CO1	P_x	158.44	-2.67	-675.75	-14.21	36.37	0.50	
322			-136.69	15.79	-248.04	0.00	0.00	-4.15	
135		P_y	5.11	97.74	-277.63	0.00	0.00	1.59	
548			-51.53	-88.78	-220.82	0.00	0.00	1.51	
138		P_z	52.28	-49.64	-75.05	0.00	0.00	0.32	
377			1.57	-30.12	-757.50	-23.76	-0.06	-1.15	
343		M_x	134.73	-12.76	-290.32	18.04	-13.49	2.46	
57			62.81	84.21	-335.24	-61.19	8.14	0.13	
772		M_y	41.46	2.49	-525.94	-10.75	81.09	-0.20	
419			-86.48	10.59	-311.74	-2.27	-41.27	0.51	
417		M_z	-43.90	-8.36	-88.15	-4.24	-13.81	6.92	
71			-7.22	49.24	-400.14	-3.01	-35.17	-7.90	
	Sum of loads and sum of support forces								
	ULS CO1		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			724.12	50.21	-58790.80	Loads			
Σ			744.71	70.71	-26665.90	Support Forces			
20	ULS CO2		-84.82	-2.35	-701.51	-10.53	26.57	2.83	
25	ULS CO2		-5.84	-5.28	-602.43	7.45	-28.85	-2.64	
32	ULS CO2		-29.44	-7.09	-493.12	7.92	-13.48	-0.63	
39	ULS CO2		171.23	-3.88	-723.44	-14.86	38.67	0.50	
45	ULS CO2		-4.02	-0.45	-480.10	-3.35	16.25	0.20	
51	ULS CO2		24.37	82.95	-374.78	-58.77	3.26	-0.08	
54	ULS CO2		44.29	83.82	-363.31	-60.70	5.81	-0.13	
57	ULS CO2		59.09	84.98	-361.52	-62.40	7.63	0.09	
60	ULS CO2		65.93	85.92	-401.50	-57.64	8.33	-1.56	
71	ULS CO2		0.79	61.11	-440.75	-3.93	-37.06	-7.66	

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	ULS CO2		26.82	-1.54	-420.38	0.38	-11.47	0.10	
74	ULS CO2		14.49	-14.24	-250.30	0.00	0.00	0.01	
99	ULS CO2		-21.99	-39.23	-242.19	0.00	0.00	-4.16	
100	ULS CO2		101.68	-44.85	-299.84	0.00	0.00	-0.64	
101	ULS CO2		103.33	31.44	-229.15	0.00	0.00	0.79	
135	ULS CO2		2.84	107.61	-304.97	0.00	0.00	1.48	
138	ULS CO2		50.93	-49.20	-70.84	0.00	0.00	0.37	
139	ULS CO2		-21.89	-22.09	-215.20	0.00	0.00	-2.89	
286	ULS CO2		-0.81	0.50	-486.06	-1.39	0.00	-0.01	
322	ULS CO2		-146.18	16.95	-263.10	0.00	0.00	-4.45	
340	ULS CO2		-117.45	1.54	-288.86	-2.20	11.34	0.33	
341	ULS CO2		179.16	1.10	-346.06	-2.08	-11.04	-0.32	
342	ULS CO2		-146.50	-14.32	-355.69	22.59	17.40	-3.13	
343	ULS CO2		163.19	-16.40	-356.04	23.17	-16.66	3.16	
365	ULS CO2		-58.42	35.93	-640.40	0.00	0.00	0.81	
370	ULS CO2		147.25	75.58	-802.16	-29.80	-0.88	0.00	
372	ULS CO2		-0.07	8.84	-795.51	-1.90	0.50	0.04	
377	ULS CO2		1.65	-26.08	-872.79	-25.14	-0.20	-1.23	
415	ULS CO2		-123.98	87.70	-481.12	1.45	-7.02	-5.19	
417	ULS CO2		-40.24	-11.09	-96.09	-4.24	-13.95	6.90	
419	ULS CO2		-86.56	9.00	-340.60	-2.30	-41.30	0.52	
422	ULS CO2		-1.44	18.21	-259.42	-2.78	1.26	-1.55	
424	ULS CO2		-83.55	12.62	-419.32	-1.81	-35.44	-1.20	
443	ULS CO2		30.29	-26.28	-320.55	-10.11	-4.54	5.13	
445	ULS CO2		-16.91	-54.13	-313.24	-8.76	7.75	3.86	
465	ULS CO2		-2.77	-8.33	-778.45	11.00	-3.31	0.10	
468	ULS CO2		0.81	-10.07	-850.11	13.08	1.68	0.08	
542	ULS CO2		-46.23	-69.27	-271.07	0.00	0.00	0.48	
547	ULS CO2		27.33	28.92	-126.75	0.00	0.00	0.20	
548	ULS CO2		-50.39	-89.00	-219.61	0.00	0.00	1.48	
589	ULS CO2		1.02	-3.28	-240.20	10.80	3.08	-0.19	
593	ULS CO2		21.47	69.10	-349.74	-41.51	2.11	-5.26	
607	ULS CO2		-1.19	-2.66	-225.81	8.41	-4.05	-0.23	
687	ULS CO2		-30.60	-39.62	-213.92	0.00	0.00	-1.42	
688	ULS CO2		-7.70	-35.89	-211.68	0.00	0.00	6.51	
689	ULS CO2		-10.27	-55.53	-248.59	0.00	0.00	1.80	
690	ULS CO2		-9.03	-56.33	-254.20	0.00	0.00	-0.06	
691	ULS CO2		-28.38	-42.78	-239.79	0.00	0.00	-3.98	
692	ULS CO2		2.23	-23.29	-299.23	0.00	0.00	-0.66	
693	ULS CO2		34.74	-36.16	-324.03	0.00	0.00	1.55	
694	ULS CO2		14.08	-46.94	-317.46	0.00	0.00	0.03	
695	ULS CO2		15.41	-46.61	-331.79	0.00	0.00	0.10	
696	ULS CO2		16.26	-47.00	-336.66	0.00	0.00	-0.02	
697	ULS CO2		1.86	-47.27	-347.70	0.00	0.00	0.13	
698	ULS CO2		-2.09	-44.55	-349.32	0.00	0.00	-0.11	
699	ULS CO2		-8.39	-49.18	-305.95	0.00	0.00	2.80	
700	ULS CO2		10.58	-40.42	-236.40	0.00	0.00	3.28	
703	ULS CO2		45.89	-19.54	-452.39	0.00	0.00	1.19	
704	ULS CO2		41.48	23.32	-467.96	0.00	0.00	-2.43	
705	ULS CO2		43.64	1.83	-501.61	0.00	0.00	1.31	
706	ULS CO2		47.02	9.10	-461.41	0.00	0.00	-0.07	
709	ULS CO2		36.57	31.57	-388.77	0.00	0.00	-3.05	
710	ULS CO2		31.16	38.94	-375.11	0.00	0.00	2.09	
711	ULS CO2		67.96	39.46	-426.30	0.00	0.00	-2.07	
717	ULS CO2		16.42	44.90	-206.45	0.00	0.00	0.32	
718	ULS CO2		24.84	43.45	-198.33	0.00	0.00	0.02	
719	ULS CO2		36.60	43.50	-194.65	0.00	0.00	-0.01	
720	ULS CO2		44.79	43.57	-201.83	0.00	0.00	0.02	
721	ULS CO2		25.90	51.78	-226.78	0.00	0.00	0.29	
747	ULS CO2		-7.71	0.24	-409.89	-0.87	21.65	0.04	
749	ULS CO2		-0.35	21.54	-294.75	0.00	0.00	0.58	
750	ULS CO2		0.42	-36.77	-239.48	0.00	0.00	-0.46	
751	ULS CO2		11.01	-0.07	-150.03	0.00	0.00	0.01	
752	ULS CO2		3.45	-0.03	-207.77	0.00	0.00	-0.01	
753	ULS CO2		-5.58	-2.25	-309.14	0.00	0.00	-0.04	
754	ULS CO2		36.77	-0.75	-228.20	0.00	0.00	0.01	
772	ULS CO2		60.91	1.87	-661.87	-10.73	114.44	-0.22	
779	ULS CO2		4.99	-39.67	-103.74	0.00	0.00	0.53	
783	ULS CO2		47.33	-0.28	-162.68	0.00	0.00	0.10	
785	ULS CO2		-98.93	22.41	-310.89	0.00	0.00	-3.65	
799	ULS CO2		78.64	-1.83	-448.74	0.00	0.00	0.14	
	Total max/min values with corresponding values								
341	ULS CO2	P_x	179.16	1.10	-346.06	-2.08	-11.04	-0.32	
342			-146.50	-14.32	-355.69	22.59	17.40	-3.13	
135		P_y	2.84	107.61	-304.97	0.00	0.00	1.48	
548			-50.39	-89.00	-219.61	0.00	0.00	1.48	
138		P_z	50.93	-49.20	-70.84	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
377		P_z	1.65	-26.08	-872.79	-25.14	-0.20	-1.23	
343		M_x	163.19	-16.40	-356.04	23.17	-16.66	3.16	
57			59.09	84.98	-361.52	-62.40	7.63	0.09	
772		M_y	60.91	1.87	-661.87	-10.73	114.44	-0.22	
419			-86.56	9.00	-340.60	-2.30	-41.30	0.52	
417		M_z	-40.24	-11.09	-96.09	-4.24	-13.95	6.90	
71			0.79	61.11	-440.75	-3.93	-37.06	-7.66	
	Sum of loads and sum of support forces								
	ULS CO2		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			724.12	50.21	-61709.70	Loads			
Σ			739.15	87.46	-29119.60	Support Forces			
20	ULS CO3		-86.89	-2.45	-725.47	-10.85	27.31	2.89	
25	ULS CO3		-5.96	-5.24	-659.86	7.39	-29.61	-2.73	
32	ULS CO3		-32.43	-7.20	-522.00	7.99	-13.65	-0.64	
39	ULS CO3		179.71	-3.23	-760.32	-15.64	39.81	0.52	
45	ULS CO3		-3.52	-0.35	-529.40	-3.55	16.04	0.21	
51	ULS CO3		27.68	83.39	-408.20	-57.19	3.70	0.03	
54	ULS CO3		43.89	83.83	-396.82	-58.10	5.77	-0.13	
57	ULS CO3		56.18	85.56	-393.97	-61.09	7.21	-0.04	
60	ULS CO3		60.89	88.24	-445.03	-59.70	7.69	-1.71	
71	ULS CO3		1.22	61.98	-447.37	-3.91	-37.18	-7.65	
72	ULS CO3		27.27	-2.89	-483.87	2.31	-11.56	0.16	
74	ULS CO3		15.13	-14.81	-258.08	0.00	0.00	0.01	
99	ULS CO3		-22.61	-39.36	-249.84	0.00	0.00	-4.13	
100	ULS CO3		104.16	-45.79	-307.17	0.00	0.00	-0.64	
101	ULS CO3		106.92	31.99	-236.73	0.00	0.00	0.84	
135	ULS CO3		2.33	110.25	-312.10	0.00	0.00	1.47	
138	ULS CO3		51.50	-49.10	-70.95	0.00	0.00	0.37	
139	ULS CO3		-23.25	-22.16	-223.81	0.00	0.00	-2.90	
286	ULS CO3		-0.81	1.93	-498.28	-1.59	0.02	-0.01	
322	ULS CO3		-151.03	17.35	-271.34	0.00	0.00	-4.59	
340	ULS CO3		-117.43	1.55	-288.72	-2.20	11.34	0.33	
341	ULS CO3		179.17	1.09	-346.17	-2.07	-11.04	-0.32	
342	ULS CO3		-146.47	-14.31	-355.47	22.59	17.39	-3.13	
343	ULS CO3		163.22	-16.41	-356.25	23.17	-16.67	3.16	
365	ULS CO3		-61.31	36.73	-657.66	0.00	0.00	0.81	
370	ULS CO3		149.59	75.51	-817.45	-30.10	-0.98	-0.02	
372	ULS CO3		-0.18	8.54	-819.54	-1.91	0.36	0.04	
377	ULS CO3		1.63	-28.22	-897.26	-25.97	-0.31	-1.27	
415	ULS CO3		-125.28	88.59	-483.66	1.45	-7.13	-5.18	
417	ULS CO3		-40.57	-12.55	-101.03	-4.21	-14.16	6.93	
419	ULS CO3		-87.27	7.70	-347.96	-2.18	-41.94	0.56	
422	ULS CO3		-1.16	18.57	-263.03	-2.82	1.36	-1.59	
424	ULS CO3		-84.28	12.14	-428.52	-1.76	-36.08	-1.25	
443	ULS CO3		38.04	-27.15	-338.56	-10.34	-3.80	5.06	
445	ULS CO3		-21.26	-56.83	-322.04	-8.58	7.29	3.87	
465	ULS CO3		-2.77	-8.33	-791.05	10.99	-3.30	0.11	
468	ULS CO3		0.81	-10.05	-855.88	13.01	1.70	0.09	
542	ULS CO3		-47.21	-70.56	-274.77	0.00	0.00	0.48	
547	ULS CO3		28.53	30.10	-130.09	0.00	0.00	0.19	
548	ULS CO3		-50.40	-90.12	-222.17	0.00	0.00	1.49	
589	ULS CO3		1.14	-3.53	-262.76	11.61	3.45	-0.19	
593	ULS CO3		27.73	70.27	-382.99	-42.18	2.86	-5.18	
607	ULS CO3		-1.32	-2.87	-245.44	9.08	-4.45	-0.23	
687	ULS CO3		-30.60	-39.51	-218.51	0.00	0.00	-1.41	
688	ULS CO3		-6.90	-35.90	-217.32	0.00	0.00	6.51	
689	ULS CO3		-10.15	-55.53	-256.27	0.00	0.00	1.80	
690	ULS CO3		-9.31	-56.33	-262.08	0.00	0.00	-0.06	
691	ULS CO3		-29.37	-42.82	-247.03	0.00	0.00	-3.96	
692	ULS CO3		2.02	-23.34	-307.84	0.00	0.00	-0.64	
693	ULS CO3		34.22	-35.87	-326.65	0.00	0.00	1.54	
694	ULS CO3		13.16	-47.00	-318.32	0.00	0.00	0.01	
695	ULS CO3		14.81	-46.63	-331.85	0.00	0.00	0.11	
696	ULS CO3		15.96	-47.04	-336.71	0.00	0.00	-0.02	
697	ULS CO3		2.22	-47.34	-348.97	0.00	0.00	0.14	
698	ULS CO3		-1.33	-44.65	-353.80	0.00	0.00	-0.12	
699	ULS CO3		-7.99	-49.22	-313.12	0.00	0.00	2.78	
700	ULS CO3		10.51	-40.50	-244.77	0.00	0.00	3.25	
703	ULS CO3		45.91	-20.01	-462.23	0.00	0.00	1.18	
704	ULS CO3		41.46	24.36	-478.30	0.00	0.00	-2.43	
705	ULS CO3		43.65	0.55	-513.08	0.00	0.00	1.31	
706	ULS CO3		47.03	8.25	-470.31	0.00	0.00	-0.07	
709	ULS CO3		36.57	31.02	-394.52	0.00	0.00	-3.05	
710	ULS CO3		30.58	38.94	-381.12	0.00	0.00	2.09	
711	ULS CO3		68.55	39.47	-434.50	0.00	0.00	-2.07	

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	ULS CO3		19.55	45.26	-221.60	0.00	0.00	0.30	
718	ULS CO3		26.15	43.93	-212.97	0.00	0.00	0.01	
719	ULS CO3		34.88	43.95	-208.59	0.00	0.00	0.00	
720	ULS CO3		42.89	43.95	-219.04	0.00	0.00	0.04	
721	ULS CO3		18.96	51.97	-239.00	0.00	0.00	0.35	
747	ULS CO3		-8.50	0.25	-421.16	-0.89	22.36	0.04	
749	ULS CO3		-0.36	22.55	-305.08	0.00	0.00	0.60	
750	ULS CO3		0.42	-36.36	-243.38	0.00	0.00	-0.45	
751	ULS CO3		11.20	-0.16	-150.76	0.00	0.00	0.01	
752	ULS CO3		4.08	-0.09	-209.83	0.00	0.00	-0.02	
753	ULS CO3		-8.36	-2.31	-329.83	0.00	0.00	-0.04	
754	ULS CO3		37.92	-0.75	-234.56	0.00	0.00	0.01	
772	ULS CO3		61.00	1.86	-661.86	-10.70	114.85	-0.22	
779	ULS CO3		5.00	-40.59	-104.93	0.00	0.00	0.54	
783	ULS CO3		47.96	-0.28	-164.15	0.00	0.00	0.10	
785	ULS CO3		-99.68	23.76	-314.54	0.00	0.00	-3.74	
799	ULS CO3		81.50	-1.89	-475.65	0.00	0.00	0.15	
	Total max/min values with corresponding values								
39	ULS CO3	P_x	179.71	-3.23	-760.32	-15.64	39.81	0.52	
322			-151.03	17.35	-271.34	0.00	0.00	-4.59	
135		P_y	2.33	110.25	-312.10	0.00	0.00	1.47	
548			-50.40	-90.12	-222.17	0.00	0.00	1.49	
138		P_z	51.50	-49.10	-70.95	0.00	0.00	0.37	
377			1.63	-28.22	-897.26	-25.97	-0.31	-1.27	
343		M_x	163.22	-16.41	-356.25	23.17	-16.67	3.16	
57			56.18	85.56	-393.97	-61.09	7.21	-0.04	
772		M_y	61.00	1.86	-661.86	-10.70	114.85	-0.22	
419			-87.27	7.70	-347.96	-2.18	-41.94	0.56	
417		M_z	-40.57	-12.55	-101.03	-4.21	-14.16	6.93	
71			1.22	61.98	-447.37	-3.91	-37.18	-7.65	
	Sum of loads and sum of support forces								
	ULS CO3		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			724.12	50.21	-62713.70	Loads			
Σ			738.91	87.73	-30123.30	Support Forces			
20	ULS CO4		-78.12	-3.75	-670.08	-10.04	25.31	2.52	
25	ULS CO4		-4.86	-5.16	-634.03	7.30	-26.97	-2.74	
32	ULS CO4		-32.15	-7.08	-499.23	7.92	-12.51	-0.64	
39	ULS CO4		170.55	-1.74	-728.45	-15.32	38.00	0.52	
45	ULS CO4		-2.88	-0.51	-515.23	-3.11	14.18	0.23	
51	ULS CO4		32.56	83.42	-397.00	-56.71	4.23	0.04	
54	ULS CO4		46.35	83.55	-384.84	-56.84	6.10	-0.07	
57	ULS CO4		58.64	85.04	-381.60	-59.31	7.54	-0.06	
60	ULS CO4		58.29	88.44	-421.83	-59.28	7.59	-1.80	
71	ULS CO4		-6.61	50.48	-409.60	-2.98	-35.35	-7.89	
72	ULS CO4		24.87	-3.17	-471.59	2.82	-10.99	0.17	
74	ULS CO4		14.72	-16.59	-248.56	0.00	0.00	0.01	
99	ULS CO4		-22.19	-39.37	-251.48	0.00	0.00	-4.13	
100	ULS CO4		96.20	-42.39	-281.46	0.00	0.00	-0.58	
101	ULS CO4		103.03	29.19	-225.34	0.00	0.00	0.94	
135	ULS CO4		4.39	101.51	-287.83	0.00	0.00	1.57	
138	ULS CO4		53.09	-49.50	-75.21	0.00	0.00	0.33	
139	ULS CO4		-24.19	-21.44	-228.54	0.00	0.00	-2.89	
286	ULS CO4		-0.89	4.88	-463.14	-1.88	-0.26	0.04	
322	ULS CO4		-143.62	16.37	-259.81	0.00	0.00	-4.36	
340	ULS CO4		-99.54	1.02	-246.96	-1.76	9.69	0.27	
341	ULS CO4		153.36	1.25	-294.46	-1.82	-9.40	-0.28	
342	ULS CO4		-115.32	-11.20	-284.21	17.60	14.02	-2.44	
343	ULS CO4		134.77	-12.77	-290.64	18.04	-13.50	2.46	
365	ULS CO4		-50.55	33.82	-617.24	0.00	0.00	0.76	
370	ULS CO4		144.28	74.10	-746.79	-26.59	0.26	0.02	
372	ULS CO4		-0.18	7.00	-711.45	-1.72	0.37	0.04	
377	ULS CO4		1.54	-33.18	-792.45	-24.94	-0.23	-1.21	
415	ULS CO4		-120.48	77.45	-426.72	1.63	-7.81	-5.19	
417	ULS CO4		-44.37	-10.44	-95.21	-4.20	-14.11	6.96	
419	ULS CO4		-87.49	8.73	-322.24	-2.10	-42.18	0.57	
422	ULS CO4		-2.09	13.08	-248.16	-2.17	0.47	-1.73	
424	ULS CO4		-85.15	9.39	-387.09	-1.38	-37.25	-1.06	
443	ULS CO4		36.30	-27.94	-336.39	-9.07	-3.92	5.03	
445	ULS CO4		-11.48	-46.91	-291.45	-8.99	8.04	3.83	
465	ULS CO4		-2.01	-6.25	-693.51	8.11	-2.25	0.11	
468	ULS CO4		0.73	-7.44	-738.55	9.40	1.56	0.09	
542	ULS CO4		-42.36	-67.00	-264.13	0.00	0.00	0.48	
547	ULS CO4		29.05	30.99	-131.95	0.00	0.00	0.19	
548	ULS CO4		-51.54	-90.38	-224.48	0.00	0.00	1.51	
589	ULS CO4		1.20	-3.66	-272.51	12.01	3.67	-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
593	ULS CO4		26.72	70.25	-364.89	-41.69	2.90	-5.17	
607	ULS CO4		-1.38	-2.98	-253.42	9.44	-4.62	-0.22	
687	ULS CO4		-30.66	-38.77	-221.00	0.00	0.00	-1.43	
688	ULS CO4		-6.73	-35.88	-219.83	0.00	0.00	6.51	
689	ULS CO4		-10.21	-55.52	-259.57	0.00	0.00	1.80	
690	ULS CO4		-9.66	-56.32	-265.21	0.00	0.00	-0.06	
691	ULS CO4		-30.31	-42.84	-249.29	0.00	0.00	-3.96	
692	ULS CO4		1.36	-23.31	-301.24	0.00	0.00	-0.74	
693	ULS CO4		30.97	-35.77	-309.05	0.00	0.00	1.52	
694	ULS CO4		10.26	-46.75	-297.39	0.00	0.00	0.09	
695	ULS CO4		12.66	-46.58	-306.51	0.00	0.00	0.10	
696	ULS CO4		14.50	-46.96	-310.34	0.00	0.00	-0.02	
697	ULS CO4		3.25	-47.23	-324.08	0.00	0.00	0.14	
698	ULS CO4		1.30	-44.55	-336.27	0.00	0.00	-0.11	
699	ULS CO4		-5.22	-49.20	-307.45	0.00	0.00	2.80	
700	ULS CO4		10.19	-40.46	-248.38	0.00	0.00	3.25	
703	ULS CO4		46.66	-19.59	-431.40	0.00	0.00	1.25	
704	ULS CO4		41.69	23.01	-447.92	0.00	0.00	-2.58	
705	ULS CO4		43.57	-1.07	-480.24	0.00	0.00	1.32	
706	ULS CO4		47.04	9.77	-440.71	0.00	0.00	-0.07	
709	ULS CO4		36.64	33.45	-376.77	0.00	0.00	-3.05	
710	ULS CO4		37.26	38.96	-361.00	0.00	0.00	2.08	
711	ULS CO4		71.98	39.51	-403.73	0.00	0.00	-2.06	
717	ULS CO4		23.03	45.37	-209.27	0.00	0.00	0.29	
718	ULS CO4		28.00	44.09	-206.19	0.00	0.00	0.00	
719	ULS CO4		36.73	44.12	-200.61	0.00	0.00	0.00	
720	ULS CO4		43.24	44.10	-210.12	0.00	0.00	0.04	
721	ULS CO4		20.62	52.11	-214.30	0.00	0.00	0.36	
747	ULS CO4		-2.14	0.21	-385.02	-0.79	19.99	0.03	
749	ULS CO4		-0.41	18.76	-298.32	0.00	0.00	0.63	
750	ULS CO4		0.27	-30.11	-220.65	0.00	0.00	-0.33	
751	ULS CO4		8.40	-0.18	-134.32	0.00	0.00	0.01	
752	ULS CO4		4.05	-0.11	-192.02	0.00	0.00	-0.02	
753	ULS CO4		-10.06	-2.26	-317.81	0.00	0.00	-0.04	
754	ULS CO4		35.01	-0.74	-216.10	0.00	0.00	0.01	
772	ULS CO4		41.59	2.49	-525.90	-10.72	81.67	-0.20	
779	ULS CO4		4.88	-40.72	-105.57	0.00	0.00	0.41	
783	ULS CO4		43.94	-0.20	-144.36	0.00	0.00	0.07	
785	ULS CO4		-86.32	22.97	-295.06	0.00	0.00	-3.41	
799	ULS CO4		75.77	-1.81	-457.11	0.00	0.00	0.15	
	Total max/min values with corresponding values								
39	ULS CO4	P_x	170.55	-1.74	-728.45	-15.32	38.00	0.52	
322			-143.62	16.37	-259.81	0.00	0.00	-4.36	
135		P_y	4.39	101.51	-287.83	0.00	0.00	1.57	
548			-51.54	-90.38	-224.48	0.00	0.00	1.51	
138		P_z	53.09	-49.50	-75.21	0.00	0.00	0.33	
377			1.54	-33.18	-792.45	-24.94	-0.23	-1.21	
343		M_x	134.77	-12.77	-290.64	18.04	-13.50	2.46	
57			58.64	85.04	-381.60	-59.31	7.54	-0.06	
772		M_y	41.59	2.49	-525.90	-10.72	81.67	-0.20	
419			-87.49	8.73	-322.24	-2.10	-42.18	0.57	
417		M_z	-44.37	-10.44	-95.21	-4.20	-14.11	6.96	
71			-6.61	50.48	-409.60	-2.98	-35.35	-7.89	
	Sum of loads and sum of support forces								
	ULS CO4		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			724.12	50.21	-60225.20	Loads			
Σ			744.37	71.09	-28099.90	Support Forces			
20	ULS CO5		-84.92	-2.87	-716.13	-10.70	26.93	2.80	
25	ULS CO5		-5.71	-5.20	-669.44	7.34	-29.06	-2.76	
32	ULS CO5		-33.37	-7.19	-524.22	7.98	-13.37	-0.64	
39	ULS CO5		179.20	-2.59	-761.24	-15.78	39.60	0.52	
45	ULS CO5		-3.25	-0.37	-539.81	-3.49	15.37	0.22	
51	ULS CO5		30.12	83.51	-414.98	-56.51	4.00	0.07	
54	ULS CO5		44.75	83.73	-403.20	-56.88	5.88	-0.11	
57	ULS CO5		56.30	85.57	-399.98	-60.15	7.21	-0.09	
60	ULS CO5		58.80	89.01	-451.22	-60.23	7.50	-1.78	
71	ULS CO5		-0.97	58.89	-438.46	-3.62	-36.81	-7.73	
72	ULS CO5		26.43	-3.37	-499.36	3.01	-11.34	0.18	
74	ULS CO5		15.14	-15.50	-257.50	0.00	0.00	0.02	
99	ULS CO5		-22.70	-39.40	-252.63	0.00	0.00	-4.12	
100	ULS CO5		102.51	-45.06	-301.67	0.00	0.00	-0.63	
101	ULS CO5		106.81	31.33	-235.58	0.00	0.00	0.88	
135	ULS CO5		2.80	108.43	-306.99	0.00	0.00	1.50	
138	ULS CO5		52.14	-49.18	-72.25	0.00	0.00	0.36	
139	ULS CO5		-23.94	-21.96	-227.85	0.00	0.00	-2.90	

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	ULS CO5		-0.83	3.25	-491.35	-1.75	-0.06	0.01	
322	ULS CO5		-150.27	17.19	-270.37	0.00	0.00	-4.57	
340	ULS CO5		-111.86	1.42	-275.84	-2.11	10.83	0.32	
341	ULS CO5		171.26	1.17	-330.21	-2.04	-10.53	-0.32	
342	ULS CO5		-137.93	-13.78	-336.11	21.66	16.47	-3.00	
343	ULS CO5		155.52	-15.64	-338.34	22.18	-15.80	3.03	
365	ULS CO5		-58.98	36.13	-650.76	0.00	0.00	0.80	
370	ULS CO5		148.74	75.26	-801.20	-29.16	-0.64	-0.01	
372	ULS CO5		-0.22	8.06	-794.31	-1.87	0.31	0.04	
377	ULS CO5		1.59	-30.28	-873.18	-25.92	-0.32	-1.26	
415	ULS CO5		-124.32	85.23	-467.26	1.56	-7.39	-5.18	
417	ULS CO5		-41.98	-12.15	-99.99	-4.20	-14.22	6.95	
419	ULS CO5		-87.56	7.56	-342.15	-2.12	-42.25	0.58	
422	ULS CO5		-1.37	17.04	-259.28	-2.63	1.11	-1.64	
424	ULS CO5		-84.80	10.96	-419.87	-1.62	-36.72	-1.21	
443	ULS CO5		39.94	-28.10	-344.07	-9.94	-3.61	5.03	
445	ULS CO5		-19.46	-54.45	-314.79	-8.69	7.40	3.87	
465	ULS CO5		-2.54	-7.71	-765.58	10.11	-2.99	0.11	
468	ULS CO5		0.79	-9.26	-822.42	11.90	1.66	0.09	
542	ULS CO5		-46.01	-69.84	-272.56	0.00	0.00	0.48	
547	ULS CO5		29.04	30.73	-131.64	0.00	0.00	0.19	
548	ULS CO5		-50.77	-90.54	-223.69	0.00	0.00	1.50	
589	ULS CO5		1.19	-3.65	-272.45	11.98	3.63	-0.19	
593	ULS CO5		29.49	70.60	-387.80	-42.19	3.12	-5.16	
607	ULS CO5		-1.37	-2.97	-253.72	9.39	-4.63	-0.23	
687	ULS CO5		-30.62	-39.23	-220.66	0.00	0.00	-1.42	
688	ULS CO5		-6.62	-35.90	-219.76	0.00	0.00	6.51	
689	ULS CO5		-10.14	-55.52	-259.56	0.00	0.00	1.80	
690	ULS CO5		-9.50	-56.33	-265.38	0.00	0.00	-0.06	
691	ULS CO5		-29.96	-42.84	-249.90	0.00	0.00	-3.95	
692	ULS CO5		1.76	-23.35	-308.45	0.00	0.00	-0.66	
693	ULS CO5		33.08	-35.75	-322.12	0.00	0.00	1.53	
694	ULS CO5		11.98	-46.94	-312.29	0.00	0.00	0.03	
695	ULS CO5		13.95	-46.62	-324.26	0.00	0.00	0.11	
696	ULS CO5		15.39	-47.03	-328.81	0.00	0.00	-0.02	
697	ULS CO5		2.60	-47.33	-341.88	0.00	0.00	0.14	
698	ULS CO5		-0.35	-44.65	-349.89	0.00	0.00	-0.11	
699	ULS CO5		-7.07	-49.23	-313.59	0.00	0.00	2.78	
700	ULS CO5		10.38	-40.52	-248.37	0.00	0.00	3.24	
703	ULS CO5		46.14	-20.02	-455.94	0.00	0.00	1.20	
704	ULS CO5		41.52	24.29	-472.31	0.00	0.00	-2.48	
705	ULS CO5		43.63	-0.28	-506.70	0.00	0.00	1.31	
706	ULS CO5		47.04	8.49	-464.13	0.00	0.00	-0.07	
709	ULS CO5		36.59	31.59	-390.91	0.00	0.00	-3.05	
710	ULS CO5		32.43	38.94	-376.87	0.00	0.00	2.09	
711	ULS CO5		69.77	39.48	-427.80	0.00	0.00	-2.07	
717	ULS CO5		21.67	45.41	-222.76	0.00	0.00	0.29	
718	ULS CO5		27.24	44.12	-215.19	0.00	0.00	0.00	
719	ULS CO5		35.08	44.14	-210.37	0.00	0.00	0.01	
720	ULS CO5		42.64	44.11	-221.63	0.00	0.00	0.05	
721	ULS CO5		17.51	52.07	-235.17	0.00	0.00	0.37	
747	ULS CO5		-6.91	0.24	-413.71	-0.87	21.86	0.04	
749	ULS CO5		-0.38	21.72	-306.15	0.00	0.00	0.61	
750	ULS CO5		0.37	-34.35	-237.74	0.00	0.00	-0.42	
751	ULS CO5		10.31	-0.19	-146.73	0.00	0.00	0.01	
752	ULS CO5		4.05	-0.12	-205.03	0.00	0.00	-0.02	
753	ULS CO5		-9.92	-2.31	-332.73	0.00	0.00	-0.04	
754	ULS CO5		37.38	-0.75	-230.95	0.00	0.00	0.01	
772	ULS CO5		55.21	2.10	-621.28	-10.84	105.01	-0.21	
779	ULS CO5		4.96	-40.91	-105.47	0.00	0.00	0.51	
783	ULS CO5		46.94	-0.25	-158.64	0.00	0.00	0.09	
785	ULS CO5		-95.91	23.94	-309.84	0.00	0.00	-3.67	
799	ULS CO5		80.41	-1.88	-478.12	0.00	0.00	0.15	
	Total max/min values with corresponding values								
39	ULS CO5	P_x	179.20	-2.59	-761.24	-15.78	39.60	0.52	
322			-150.27	17.19	-270.37	0.00	0.00	-4.57	
135		P_y	2.80	108.43	-306.99	0.00	0.00	1.50	
548			-50.77	-90.54	-223.69	0.00	0.00	1.50	
138		P_z	52.14	-49.18	-72.25	0.00	0.00	0.36	
377			1.59	-30.28	-873.18	-25.92	-0.32	-1.26	
343		M_x	155.52	-15.64	-338.34	22.18	-15.80	3.03	
60			58.80	89.01	-451.22	-60.23	7.50	-1.78	
772		M_y	55.21	2.10	-621.28	-10.84	105.01	-0.21	
419			-87.56	7.56	-342.15	-2.12	-42.25	0.58	
417		M_z	-41.98	-12.15	-99.99	-4.20	-14.22	6.95	
71			-0.97	58.89	-438.46	-3.62	-36.81	-7.73	

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
	Sum of loads and sum of support forces								
	ULS CO5		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			724.12	50.21	-62268.40	Loads			
Σ			740.04	82.38	-29822.60	Support Forces			
20	S Ch CO6		-55.67	-2.67	-470.99	-7.10	17.97	1.80	
25	S Ch CO6		-3.47	-3.87	-408.87	5.47	-19.17	-1.94	
32	S Ch CO6		-20.65	-5.13	-339.25	5.79	-9.08	-0.46	
39	S Ch CO6		117.36	-1.98	-500.55	-10.52	26.94	0.37	
45	S Ch CO6		-2.66	-0.48	-329.50	-2.09	10.72	0.16	
51	S Ch CO6		20.62	61.33	-258.70	-43.68	2.67	-0.08	
54	S Ch CO6		34.76	61.88	-249.61	-44.86	4.56	-0.06	
57	S Ch CO6		46.52	62.38	-248.32	-45.33	6.03	0.10	
60	S Ch CO6		48.51	63.06	-266.41	-41.73	6.29	-1.18	
71	S Ch CO6		-5.35	36.47	-296.40	-2.23	-26.05	-5.85	
72	S Ch CO6		17.95	-0.91	-282.15	0.06	-8.04	0.06	
74	S Ch CO6		10.23	-11.69	-175.88	0.00	0.00	0.01	
99	S Ch CO6		-15.78	-29.02	-178.19	0.00	0.00	-3.10	
100	S Ch CO6		68.63	-30.40	-200.72	0.00	0.00	-0.42	
101	S Ch CO6		72.52	21.03	-158.91	0.00	0.00	0.65	
135	S Ch CO6		3.79	72.40	-205.65	0.00	0.00	1.18	
138	S Ch CO6		38.73	-36.77	-55.59	0.00	0.00	0.24	
139	S Ch CO6		-16.48	-15.81	-160.18	0.00	0.00	-2.13	
286	S Ch CO6		-0.66	2.11	-330.14	-1.17	-0.21	0.03	
322	S Ch CO6		-101.26	11.70	-183.73	0.00	0.00	-3.07	
340	S Ch CO6		-73.76	0.75	-183.07	-1.31	7.18	0.20	
341	S Ch CO6		113.59	0.94	-218.00	-1.36	-6.96	-0.21	
342	S Ch CO6		-85.45	-8.30	-210.75	13.04	10.39	-1.81	
343	S Ch CO6		99.80	-9.45	-215.05	13.36	-9.99	1.83	
365	S Ch CO6		-34.38	24.20	-438.95	0.00	0.00	0.56	
370	S Ch CO6		104.40	54.97	-537.00	-19.38	0.30	0.03	
372	S Ch CO6		-0.01	5.51	-501.56	-1.26	0.42	0.03	
377	S Ch CO6		1.16	-22.31	-561.11	-17.60	-0.05	-0.85	
415	S Ch CO6		-87.88	56.42	-313.40	1.20	-5.66	-3.85	
417	S Ch CO6		-32.52	-6.19	-65.30	-3.14	-10.23	5.12	
419	S Ch CO6		-64.06	7.85	-230.92	-1.68	-30.57	0.38	
422	S Ch CO6		-1.84	9.30	-180.00	-1.57	0.24	-1.25	
424	S Ch CO6		-62.30	7.46	-277.01	-1.08	-26.92	-0.73	
443	S Ch CO6		18.68	-19.77	-230.12	-6.47	-3.68	3.80	
445	S Ch CO6		-3.90	-31.89	-206.57	-6.84	6.43	2.82	
465	S Ch CO6		-1.49	-4.62	-500.38	6.02	-1.68	0.08	
468	S Ch CO6		0.53	-5.53	-540.97	7.03	1.13	0.06	
542	S Ch CO6		-30.34	-48.26	-191.73	0.00	0.00	0.35	
547	S Ch CO6		20.25	21.71	-94.21	0.00	0.00	0.14	
548	S Ch CO6		-38.17	-65.77	-163.57	0.00	0.00	1.12	
589	S Ch CO6		0.77	-2.44	-177.98	8.04	2.32	-0.13	
593	S Ch CO6		13.16	50.80	-235.11	-30.17	1.35	-3.91	
607	S Ch CO6		-0.89	-1.98	-166.94	6.29	-3.00	-0.16	
687	S Ch CO6		-22.71	-28.84	-158.85	0.00	0.00	-1.07	
688	S Ch CO6		-5.83	-26.56	-156.86	0.00	0.00	4.83	
689	S Ch CO6		-7.70	-41.13	-184.15	0.00	0.00	1.34	
690	S Ch CO6		-6.87	-41.72	-188.12	0.00	0.00	-0.05	
691	S Ch CO6		-21.40	-31.69	-177.00	0.00	0.00	-2.95	
692	S Ch CO6		1.23	-17.21	-214.04	0.00	0.00	-0.57	
693	S Ch CO6		23.49	-26.80	-226.15	0.00	0.00	1.14	
694	S Ch CO6		8.58	-34.56	-219.38	0.00	0.00	0.09	
695	S Ch CO6		10.01	-34.49	-226.98	0.00	0.00	0.07	
696	S Ch CO6		11.05	-34.74	-229.82	0.00	0.00	-0.02	
697	S Ch CO6		2.03	-34.90	-238.72	0.00	0.00	0.09	
698	S Ch CO6		0.17	-32.89	-244.35	0.00	0.00	-0.08	
699	S Ch CO6		-4.29	-36.41	-220.15	0.00	0.00	2.09	
700	S Ch CO6		7.62	-29.89	-175.13	0.00	0.00	2.44	
703	S Ch CO6		34.55	-14.02	-309.15	0.00	0.00	0.93	
704	S Ch CO6		30.90	15.95	-320.85	0.00	0.00	-1.91	
705	S Ch CO6		32.26	0.56	-343.60	0.00	0.00	0.97	
706	S Ch CO6		34.83	8.14	-317.04	0.00	0.00	-0.05	
709	S Ch CO6		27.14	25.36	-273.00	0.00	0.00	-2.26	
710	S Ch CO6		28.21	28.87	-261.05	0.00	0.00	1.54	
711	S Ch CO6		52.69	29.26	-290.38	0.00	0.00	-1.52	
717	S Ch CO6		13.75	33.22	-138.97	0.00	0.00	0.24	
718	S Ch CO6		19.36	32.15	-137.24	0.00	0.00	0.01	
719	S Ch CO6		29.03	32.19	-133.85	0.00	0.00	-0.01	
720	S Ch CO6		34.04	32.27	-137.43	0.00	0.00	0.01	
721	S Ch CO6		22.62	38.40	-145.80	0.00	0.00	0.20	
747	S Ch CO6		-0.75	0.15	-273.27	-0.57	14.06	0.02	
749	S Ch CO6		-0.29	12.83	-210.05	0.00	0.00	0.45	
750	S Ch CO6		0.20	-22.74	-159.32	0.00	0.00	-0.25	

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	S Ch CO6		6.03	-0.04	-98.72	0.00	0.00	0.00	
752	S Ch CO6		2.34	-0.02	-140.05	0.00	0.00	0.00	
753	S Ch CO6		-4.52	-1.61	-213.51	0.00	0.00	-0.03	
754	S Ch CO6		24.71	-0.55	-153.34	0.00	0.00	0.01	
772	S Ch CO6		30.71	1.85	-389.59	-7.97	60.06	-0.14	
779	S Ch CO6		3.61	-29.19	-76.95	0.00	0.00	0.30	
783	S Ch CO6		31.88	-0.15	-105.38	0.00	0.00	0.05	
785	S Ch CO6		-63.15	15.59	-214.71	0.00	0.00	-2.43	
799	S Ch CO6		53.10	-1.28	-310.12	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Ch CO6	P_x	117.36	-1.98	-500.55	-10.52	26.94	0.37	
322			-101.26	11.70	-183.73	0.00	0.00	-3.07	
135		P_y	3.79	72.40	-205.65	0.00	0.00	1.18	
548			-38.17	-65.77	-163.57	0.00	0.00	1.12	
138		P_z	38.73	-36.77	-55.59	0.00	0.00	0.24	
377			1.16	-22.31	-561.11	-17.60	-0.05	-0.85	
343		M_x	99.80	-9.45	-215.05	13.36	-9.99	1.83	
57			46.52	62.38	-248.32	-45.33	6.03	0.10	
772		M_y	30.71	1.85	-389.59	-7.97	60.06	-0.14	
419			-64.06	7.85	-230.92	-1.68	-30.57	0.38	
417		M_z	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	
71			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	

	Sum of loads and sum of support forces					
	S Ch CO6		P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ			536.39	37.20	-43548.80	Loads
Σ			551.64	52.38	-19752.50	Support Forces

20	S Ch CO7		-63.10	-1.71	-521.50	-7.83	19.75	2.11	
25	S Ch CO7		-4.35	-3.91	-447.66	5.52	-21.45	-1.96	
32	S Ch CO7		-21.84	-5.26	-366.25	5.87	-10.02	-0.46	
39	S Ch CO7		127.22	-2.91	-537.28	-11.03	28.71	0.37	
45	S Ch CO7		-2.98	-0.33	-356.65	-2.50	12.09	0.15	
51	S Ch CO7		17.98	61.46	-278.33	-43.53	2.41	-0.06	
54	S Ch CO7		32.72	62.10	-269.88	-44.98	4.29	-0.10	
57	S Ch CO7		43.65	62.97	-268.55	-46.26	5.63	0.07	
60	S Ch CO7		48.84	63.67	-298.58	-42.73	6.16	-1.16	
71	S Ch CO7		0.81	45.60	-327.60	-2.94	-27.49	-5.66	
72	S Ch CO7		19.96	-1.15	-312.51	0.30	-8.52	0.08	
74	S Ch CO7		10.76	-10.51	-185.78	0.00	0.00	0.01	
99	S Ch CO7		-16.31	-29.06	-179.45	0.00	0.00	-3.08	
100	S Ch CO7		75.57	-33.33	-222.92	0.00	0.00	-0.47	
101	S Ch CO7		76.70	23.37	-170.16	0.00	0.00	0.59	
135	S Ch CO7		2.04	79.99	-226.68	0.00	0.00	1.10	
138	S Ch CO7		37.69	-36.43	-52.35	0.00	0.00	0.28	
139	S Ch CO7		-16.21	-16.39	-159.37	0.00	0.00	-2.14	
286	S Ch CO7		-0.60	0.30	-361.20	-1.02	0.00	-0.01	
322	S Ch CO7		-108.55	12.59	-195.32	0.00	0.00	-3.30	
340	S Ch CO7		-87.53	1.15	-215.19	-1.64	8.45	0.25	
341	S Ch CO7		133.46	0.81	-257.86	-1.54	-8.23	-0.24	
342	S Ch CO7		-109.32	-10.66	-265.29	16.82	12.97	-2.33	
343	S Ch CO7		121.61	-12.22	-265.43	17.26	-12.42	2.35	
365	S Ch CO7		-43.61	26.70	-475.73	0.00	0.00	0.60	
370	S Ch CO7		109.25	56.02	-596.36	-22.18	-0.69	0.00	
372	S Ch CO7		-0.05	6.59	-592.64	-1.41	0.37	0.03	
377	S Ch CO7		1.22	-19.21	-649.79	-18.66	-0.15	-0.91	
415	S Ch CO7		-91.98	65.31	-358.02	1.06	-5.18	-3.84	
417	S Ch CO7		-29.69	-8.32	-71.49	-3.14	-10.33	5.11	
419	S Ch CO7		-64.12	6.63	-253.15	-1.71	-30.59	0.39	
422	S Ch CO7		-1.04	13.65	-192.66	-2.08	0.96	-1.15	
424	S Ch CO7		-61.87	9.44	-311.80	-1.35	-26.22	-0.90	
443	S Ch CO7		22.57	-19.41	-237.67	-7.53	-3.35	3.80	
445	S Ch CO7		-12.87	-40.43	-233.06	-6.47	5.71	2.86	
465	S Ch CO7		-2.07	-6.23	-579.56	8.23	-2.48	0.08	
468	S Ch CO7		0.60	-7.53	-633.13	9.79	1.25	0.06	
542	S Ch CO7		-34.40	-51.43	-201.15	0.00	0.00	0.36	
547	S Ch CO7		20.24	21.41	-93.88	0.00	0.00	0.14	
548	S Ch CO7		-37.29	-65.93	-162.63	0.00	0.00	1.10	
589	S Ch CO7		0.76	-2.43	-177.92	8.00	2.28	-0.14	
593	S Ch CO7		15.99	51.20	-259.95	-30.77	1.57	-3.90	
607	S Ch CO7		-0.88	-1.97	-167.28	6.23	-3.00	-0.17	
687	S Ch CO7		-22.67	-29.37	-158.44	0.00	0.00	-1.05	
688	S Ch CO7		-5.70	-26.59	-156.80	0.00	0.00	4.82	
689	S Ch CO7		-7.60	-41.13	-184.14	0.00	0.00	1.33	
690	S Ch CO7		-6.68	-41.73	-188.30	0.00	0.00	-0.05	
691	S Ch CO7		-21.01	-31.69	-177.64	0.00	0.00	-2.95	
692	S Ch CO7		1.67	-17.26	-221.95	0.00	0.00	-0.48	

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
693	SCh CO7		25.82	-26.78	-240.56	0.00	0.00	1.15	
694	SCh CO7		10.51	-34.78	-235.77	0.00	0.00	0.02	
695	SCh CO7		11.47	-34.53	-246.49	0.00	0.00	0.08	
696	SCh CO7		12.09	-34.82	-250.13	0.00	0.00	-0.02	
697	SCh CO7		1.36	-35.02	-258.28	0.00	0.00	0.10	
698	SCh CO7		-1.61	-33.01	-259.31	0.00	0.00	-0.08	
699	SCh CO7		-6.29	-36.43	-226.88	0.00	0.00	2.07	
700	SCh CO7		7.85	-29.95	-175.11	0.00	0.00	2.43	
703	SCh CO7		33.97	-14.50	-336.10	0.00	0.00	0.88	
704	SCh CO7		30.72	17.33	-347.63	0.00	0.00	-1.80	
705	SCh CO7		32.33	1.38	-372.63	0.00	0.00	0.97	
706	SCh CO7		34.83	6.69	-342.73	0.00	0.00	-0.05	
709	SCh CO7		27.08	23.30	-288.56	0.00	0.00	-2.26	
710	SCh CO7		22.88	28.84	-278.51	0.00	0.00	1.55	
711	SCh CO7		50.25	29.23	-316.75	0.00	0.00	-1.54	
717	SCh CO7		12.09	33.26	-153.40	0.00	0.00	0.24	
718	SCh CO7		18.36	32.19	-147.30	0.00	0.00	0.02	
719	SCh CO7		27.03	32.22	-144.58	0.00	0.00	-0.01	
720	SCh CO7		33.12	32.28	-149.95	0.00	0.00	0.01	
721	SCh CO7		19.04	38.36	-168.84	0.00	0.00	0.22	
747	SCh CO7		-5.89	0.18	-304.79	-0.65	16.11	0.03	
749	SCh CO7		-0.26	16.07	-218.65	0.00	0.00	0.43	
750	SCh CO7		0.32	-27.41	-178.09	0.00	0.00	-0.34	
751	SCh CO7		8.25	-0.05	-111.55	0.00	0.00	0.00	
752	SCh CO7		2.58	-0.02	-154.44	0.00	0.00	-0.01	
753	SCh CO7		-4.11	-1.67	-229.56	0.00	0.00	-0.03	
754	SCh CO7		27.33	-0.56	-169.63	0.00	0.00	0.01	
772	SCh CO7		45.67	1.36	-494.13	-7.93	85.72	-0.16	
779	SCh CO7		3.70	-29.39	-76.84	0.00	0.00	0.40	
783	SCh CO7		35.18	-0.21	-121.09	0.00	0.00	0.07	
785	SCh CO7		-73.67	16.64	-230.89	0.00	0.00	-2.71	
799	SCh CO7		58.47	-1.36	-333.26	0.00	0.00	0.11	
	Total max/min values with corresponding values								
341	SCh CO7	P_x	133.46	0.81	-257.86	-1.54	-8.23	-0.24	
342			-109.32	-10.66	-265.29	16.82	12.97	-2.33	
135		P_y	2.04	79.99	-226.68	0.00	0.00	1.10	
548			-37.29	-65.93	-162.63	0.00	0.00	1.10	
138		P_z	37.69	-36.43	-52.35	0.00	0.00	0.28	
377			1.22	-19.21	-649.79	-18.66	-0.15	-0.91	
343		M_x	121.61	-12.22	-265.43	17.26	-12.42	2.35	
57			43.65	62.97	-268.55	-46.26	5.63	0.07	
772		M_y	45.67	1.36	-494.13	-7.93	85.72	-0.16	
419			-64.12	6.63	-253.15	-1.71	-30.59	0.39	
417		M_z	-29.69	-8.32	-71.49	-3.14	-10.33	5.11	
71			0.81	45.60	-327.60	-2.94	-27.49	-5.66	
	Sum of loads and sum of support forces								
	SCh CO7		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-45794.00	Loads			
Σ			547.40	65.30	-21639.40	Support Forces			
20	SCh CO8		-64.69	-1.79	-539.92	-8.07	20.31	2.15	
25	SCh CO8		-4.45	-3.88	-491.84	5.47	-22.03	-2.02	
32	SCh CO8		-24.14	-5.34	-388.46	5.93	-10.15	-0.47	
39	SCh CO8		133.74	-2.41	-565.65	-11.63	29.59	0.38	
45	SCh CO8		-2.60	-0.25	-394.57	-2.65	11.93	0.16	
51	SCh CO8		20.52	61.79	-304.05	-42.32	2.74	0.03	
54	SCh CO8		32.41	62.11	-295.66	-42.97	4.26	-0.10	
57	SCh CO8		41.40	63.42	-293.51	-45.25	5.31	-0.04	
60	SCh CO8		44.96	65.45	-332.05	-44.32	5.67	-1.27	
71	SCh CO8		1.14	46.26	-332.69	-2.92	-27.59	-5.66	
72	SCh CO8		20.31	-2.19	-361.34	1.78	-8.59	0.12	
74	SCh CO8		11.25	-10.94	-191.77	0.00	0.00	0.01	
99	SCh CO8		-16.79	-29.16	-185.33	0.00	0.00	-3.06	
100	SCh CO8		77.48	-34.06	-228.56	0.00	0.00	-0.48	
101	SCh CO8		79.46	23.80	-175.98	0.00	0.00	0.62	
135	SCh CO8		1.65	82.02	-232.17	0.00	0.00	1.09	
138	SCh CO8		38.12	-36.35	-52.44	0.00	0.00	0.28	
139	SCh CO8		-17.25	-16.44	-166.00	0.00	0.00	-2.15	
286	SCh CO8		-0.60	1.40	-370.60	-1.18	0.02	0.00	
322	SCh CO8		-112.28	12.90	-201.65	0.00	0.00	-3.41	
340	SCh CO8		-87.52	1.16	-215.09	-1.64	8.45	0.25	
341	SCh CO8		133.47	0.80	-257.95	-1.54	-8.23	-0.24	
342	SCh CO8		-109.30	-10.65	-265.12	16.82	12.97	-2.33	
343	SCh CO8		121.63	-12.22	-265.59	17.26	-12.43	2.35	
365	SCh CO8		-45.84	27.32	-489.00	0.00	0.00	0.61	
370	SCh CO8		111.05	55.96	-608.12	-22.41	-0.77	-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
372	S Ch CO8		-0.14	6.35	-611.13	-1.42	0.26	0.03	
377	S Ch CO8		1.21	-20.85	-668.61	-19.30	-0.24	-0.94	
415	S Ch CO8		-92.98	66.00	-359.97	1.07	-5.26	-3.84	
417	S Ch CO8		-29.94	-9.44	-75.29	-3.11	-10.50	5.13	
419	S Ch CO8		-64.66	5.62	-258.81	-1.61	-31.08	0.42	
422	S Ch CO8		-0.82	13.93	-195.44	-2.11	1.04	-1.18	
424	S Ch CO8		-62.43	9.07	-318.88	-1.31	-26.71	-0.94	
443	S Ch CO8		28.54	-20.09	-251.53	-7.71	-2.78	3.74	
445	S Ch CO8		-16.22	-42.50	-239.83	-6.34	5.36	2.87	
465	S Ch CO8		-2.07	-6.23	-589.25	8.22	-2.48	0.08	
468	S Ch CO8		0.61	-7.52	-637.57	9.74	1.26	0.07	
542	S Ch CO8		-35.15	-52.42	-204.00	0.00	0.00	0.36	
547	S Ch CO8		21.16	22.32	-96.44	0.00	0.00	0.14	
548	S Ch CO8		-37.30	-66.79	-164.60	0.00	0.00	1.10	
589	S Ch CO8		0.85	-2.62	-195.28	8.62	2.57	-0.14	
593	S Ch CO8		20.81	52.10	-285.52	-31.29	2.14	-3.84	
607	S Ch CO8		-0.98	-2.13	-182.38	6.74	-3.31	-0.17	
687	S Ch CO8		-22.66	-29.29	-161.97	0.00	0.00	-1.04	
688	S Ch CO8		-5.09	-26.60	-161.14	0.00	0.00	4.82	
689	S Ch CO8		-7.51	-41.13	-190.05	0.00	0.00	1.33	
690	S Ch CO8		-6.89	-41.72	-194.36	0.00	0.00	-0.05	
691	S Ch CO8		-21.77	-31.72	-183.21	0.00	0.00	-2.93	
692	S Ch CO8		1.50	-17.30	-228.57	0.00	0.00	-0.47	
693	S Ch CO8		25.42	-26.56	-242.57	0.00	0.00	1.14	
694	S Ch CO8		9.79	-34.82	-236.43	0.00	0.00	0.00	
695	S Ch CO8		11.01	-34.54	-246.54	0.00	0.00	0.08	
696	S Ch CO8		11.86	-34.85	-250.17	0.00	0.00	-0.01	
697	S Ch CO8		1.63	-35.07	-259.26	0.00	0.00	0.10	
698	S Ch CO8		-1.03	-33.08	-262.76	0.00	0.00	-0.09	
699	S Ch CO8		-5.98	-36.46	-232.39	0.00	0.00	2.06	
700	S Ch CO8		7.80	-30.01	-181.55	0.00	0.00	2.40	
703	S Ch CO8		33.98	-14.85	-343.67	0.00	0.00	0.88	
704	S Ch CO8		30.70	18.12	-355.58	0.00	0.00	-1.80	
705	S Ch CO8		32.34	0.40	-381.46	0.00	0.00	0.97	
706	S Ch CO8		34.84	6.03	-349.58	0.00	0.00	-0.05	
709	S Ch CO8		27.08	22.88	-292.98	0.00	0.00	-2.26	
710	S Ch CO8		22.44	28.84	-283.13	0.00	0.00	1.55	
711	S Ch CO8		50.70	29.23	-323.06	0.00	0.00	-1.54	
717	S Ch CO8		14.50	33.54	-165.06	0.00	0.00	0.22	
718	S Ch CO8		19.37	32.55	-158.56	0.00	0.00	0.01	
719	S Ch CO8		25.70	32.57	-155.31	0.00	0.00	0.00	
720	S Ch CO8		31.67	32.57	-163.19	0.00	0.00	0.03	
721	S Ch CO8		13.71	38.50	-178.25	0.00	0.00	0.26	
747	S Ch CO8		-6.50	0.18	-313.46	-0.66	16.66	0.03	
749	S Ch CO8		-0.27	16.85	-226.60	0.00	0.00	0.44	
750	S Ch CO8		0.31	-27.10	-181.08	0.00	0.00	-0.34	
751	S Ch CO8		8.39	-0.12	-112.12	0.00	0.00	0.01	
752	S Ch CO8		3.06	-0.07	-156.03	0.00	0.00	-0.01	
753	S Ch CO8		-6.24	-1.71	-245.49	0.00	0.00	-0.03	
754	S Ch CO8		28.22	-0.56	-174.53	0.00	0.00	0.01	
772	S Ch CO8		45.74	1.36	-494.12	-7.91	86.03	-0.16	
779	S Ch CO8		3.70	-30.10	-77.76	0.00	0.00	0.40	
783	S Ch CO8		35.67	-0.21	-122.22	0.00	0.00	0.07	
785	S Ch CO8		-74.25	17.67	-233.69	0.00	0.00	-2.78	
799	S Ch CO8		60.66	-1.40	-353.96	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Ch CO8	P_x	133.74	-2.41	-565.65	-11.63	29.59	0.38	
322			-112.28	12.90	-201.65	0.00	0.00	-3.41	
135		P_y	1.65	82.02	-232.17	0.00	0.00	1.09	
548			-37.30	-66.79	-164.60	0.00	0.00	1.10	
138		P_z	38.12	-36.35	-52.44	0.00	0.00	0.28	
377			1.21	-20.85	-668.61	-19.30	-0.24	-0.94	
343		M_x	121.63	-12.22	-265.59	17.26	-12.43	2.35	
57			41.40	63.42	-293.51	-45.25	5.31	-0.04	
772		M_y	45.74	1.36	-494.12	-7.91	86.03	-0.16	
419			-64.66	5.62	-258.81	-1.61	-31.08	0.42	
417		M_z	-29.94	-9.44	-75.29	-3.11	-10.50	5.13	
71			1.14	46.26	-332.69	-2.92	-27.59	-5.66	
	Sum of loads and sum of support forces								
	S Ch CO8		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-46566.40	Loads			
Σ			547.22	65.51	-22411.50	Support Forces			
20	S Ch CO9		-57.95	-2.78	-497.33	-7.45	18.78	1.87	
25	S Ch CO9		-3.61	-3.82	-471.99	5.41	-20.01	-2.03	
32	S Ch CO9		-23.94	-5.25	-370.98	5.87	-9.27	-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
39	S Ch CO9		126.68	-1.26	-541.09	-11.38	28.19	0.38	
45	S Ch CO9		-2.11	-0.37	-383.66	-2.31	10.49	0.17	
51	S Ch CO9		24.26	61.81	-295.43	-41.94	3.15	0.04	
54	S Ch CO9		34.32	61.89	-286.43	-42.00	4.52	-0.05	
57	S Ch CO9		43.32	63.01	-283.98	-43.88	5.57	-0.05	
60	S Ch CO9		42.97	65.61	-314.24	-43.99	5.60	-1.34	
71	S Ch CO9		-4.88	37.43	-303.68	-2.21	-26.19	-5.85	
72	S Ch CO9		18.44	-2.40	-351.91	2.17	-8.15	0.13	
74	S Ch CO9		10.93	-12.31	-184.43	0.00	0.00	0.01	
99	S Ch CO9		-16.46	-29.17	-186.60	0.00	0.00	-3.06	
100	S Ch CO9		71.36	-31.44	-208.79	0.00	0.00	-0.43	
101	S Ch CO9		76.46	21.64	-167.23	0.00	0.00	0.70	
135	S Ch CO9		3.23	75.30	-213.49	0.00	0.00	1.17	
138	S Ch CO9		39.35	-36.66	-55.71	0.00	0.00	0.24	
139	S Ch CO9		-17.97	-15.88	-169.64	0.00	0.00	-2.14	
286	S Ch CO9		-0.66	3.68	-343.57	-1.40	-0.19	0.03	
322	S Ch CO9		-106.58	12.14	-192.78	0.00	0.00	-3.23	
340	S Ch CO9		-73.73	0.76	-182.93	-1.30	7.18	0.20	
341	S Ch CO9		113.60	0.93	-218.12	-1.35	-6.96	-0.21	
342	S Ch CO9		-85.42	-8.30	-210.52	13.04	10.38	-1.81	
343	S Ch CO9		99.83	-9.46	-215.29	13.36	-10.00	1.83	
365	S Ch CO9		-37.56	25.08	-457.92	0.00	0.00	0.57	
370	S Ch CO9		106.97	54.89	-553.80	-19.71	0.19	0.02	
372	S Ch CO9		-0.14	5.17	-527.97	-1.27	0.26	0.03	
377	S Ch CO9		1.14	-24.67	-588.00	-18.51	-0.17	-0.90	
415	S Ch CO9		-89.30	57.41	-316.19	1.20	-5.79	-3.84	
417	S Ch CO9		-32.88	-7.79	-70.73	-3.11	-10.46	5.15	
419	S Ch CO9		-64.83	6.41	-238.99	-1.55	-31.27	0.42	
422	S Ch CO9		-1.54	9.70	-183.97	-1.61	0.35	-1.29	
424	S Ch CO9		-63.11	6.94	-287.11	-1.02	-27.62	-0.79	
443	S Ch CO9		27.20	-20.73	-249.91	-6.73	-2.87	3.73	
445	S Ch CO9		-8.68	-34.86	-216.25	-6.65	5.94	2.84	
465	S Ch CO9		-1.49	-4.63	-514.22	6.01	-1.67	0.08	
468	S Ch CO9		0.54	-5.51	-547.31	6.96	1.16	0.06	
542	S Ch CO9		-31.42	-49.68	-195.80	0.00	0.00	0.35	
547	S Ch CO9		21.56	23.00	-97.88	0.00	0.00	0.14	
548	S Ch CO9		-38.18	-67.00	-166.38	0.00	0.00	1.12	
589	S Ch CO9		0.90	-2.72	-202.77	8.93	2.73	-0.13	
593	S Ch CO9		20.05	52.09	-271.64	-30.91	2.18	-3.83	
607	S Ch CO9		-1.03	-2.22	-188.52	7.02	-3.44	-0.16	
687	S Ch CO9		-22.71	-28.72	-163.89	0.00	0.00	-1.06	
688	S Ch CO9		-4.96	-26.58	-163.07	0.00	0.00	4.82	
689	S Ch CO9		-7.56	-41.13	-192.59	0.00	0.00	1.33	
690	S Ch CO9		-7.17	-41.72	-196.77	0.00	0.00	-0.05	
691	S Ch CO9		-22.49	-31.73	-184.96	0.00	0.00	-2.93	
692	S Ch CO9		1.00	-17.27	-223.49	0.00	0.00	-0.55	
693	S Ch CO9		22.92	-26.48	-229.03	0.00	0.00	1.12	
694	S Ch CO9		7.57	-34.63	-220.32	0.00	0.00	0.07	
695	S Ch CO9		9.36	-34.50	-227.05	0.00	0.00	0.08	
696	S Ch CO9		10.73	-34.78	-229.88	0.00	0.00	-0.02	
697	S Ch CO9		2.43	-34.99	-240.11	0.00	0.00	0.10	
698	S Ch CO9		0.99	-33.00	-249.27	0.00	0.00	-0.08	
699	S Ch CO9		-3.85	-36.45	-228.03	0.00	0.00	2.07	
700	S Ch CO9		7.55	-29.98	-184.32	0.00	0.00	2.41	
703	S Ch CO9		34.57	-14.53	-319.96	0.00	0.00	0.92	
704	S Ch CO9		30.88	17.09	-332.22	0.00	0.00	-1.91	
705	S Ch CO9		32.27	-0.84	-356.20	0.00	0.00	0.98	
706	S Ch CO9		34.85	7.20	-326.81	0.00	0.00	-0.06	
709	S Ch CO9		27.14	24.76	-279.32	0.00	0.00	-2.26	
710	S Ch CO9		27.58	28.86	-267.66	0.00	0.00	1.54	
711	S Ch CO9		53.34	29.26	-299.39	0.00	0.00	-1.53	
717	S Ch CO9		17.19	33.62	-155.63	0.00	0.00	0.22	
718	S Ch CO9		20.80	32.68	-153.33	0.00	0.00	0.00	
719	S Ch CO9		27.14	32.70	-149.17	0.00	0.00	0.00	
720	S Ch CO9		31.96	32.68	-156.34	0.00	0.00	0.03	
721	S Ch CO9		14.99	38.60	-159.24	0.00	0.00	0.27	
747	S Ch CO9		-1.62	0.16	-285.66	-0.59	14.84	0.02	
749	S Ch CO9		-0.30	13.94	-221.40	0.00	0.00	0.46	
750	S Ch CO9		0.20	-22.28	-163.60	0.00	0.00	-0.25	
751	S Ch CO9		6.23	-0.14	-99.52	0.00	0.00	0.01	
752	S Ch CO9		3.03	-0.09	-142.32	0.00	0.00	-0.01	
753	S Ch CO9		-7.57	-1.67	-236.26	0.00	0.00	-0.03	
754	S Ch CO9		25.98	-0.55	-160.34	0.00	0.00	0.01	
772	S Ch CO9		30.81	1.84	-389.55	-7.94	60.51	-0.14	
779	S Ch CO9		3.62	-30.20	-78.25	0.00	0.00	0.31	
783	S Ch CO9		32.58	-0.15	-106.99	0.00	0.00	0.05	
785	S Ch CO9		-63.97	17.07	-218.71	0.00	0.00	-2.53	

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
799	S Ch CO9		56.24	-1.34	-339.70	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Ch CO9	P_x	126.68	-1.26	-541.09	-11.38	28.19	0.38	
322			-106.58	12.14	-192.78	0.00	0.00	-3.23	
135		P_y	3.23	75.30	-213.49	0.00	0.00	1.17	
548			-38.18	-67.00	-166.38	0.00	0.00	1.12	
138		P_z	39.35	-36.66	-55.71	0.00	0.00	0.24	
377			1.14	-24.67	-588.00	-18.51	-0.17	-0.90	
343		M_x	99.83	-9.46	-215.29	13.36	-10.00	1.83	
60			42.97	65.61	-314.24	-43.99	5.60	-1.34	
772		M_y	30.81	1.84	-389.55	-7.94	60.51	-0.14	
419			-64.83	6.41	-238.99	-1.55	-31.27	0.42	
417		M_z	-32.88	-7.79	-70.73	-3.11	-10.46	5.15	
71			-4.88	37.43	-303.68	-2.21	-26.19	-5.85	
	Sum of loads and sum of support forces								
	S Ch CO9		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-44652.10	Loads			
Σ			551.37	52.67	-20855.60	Support Forces			
20	S Ch CO10		-63.18	-2.11	-532.75	-7.96	20.02	2.08	
25	S Ch CO10		-4.26	-3.85	-499.22	5.43	-21.61	-2.05	
32	S Ch CO10		-24.86	-5.33	-390.16	5.92	-9.94	-0.48	
39	S Ch CO10		133.36	-1.91	-566.38	-11.73	29.43	0.39	
45	S Ch CO10		-2.39	-0.26	-402.58	-2.60	11.41	0.17	
51	S Ch CO10		22.37	61.88	-309.26	-41.79	2.97	0.06	
54	S Ch CO10		33.06	62.03	-300.56	-42.04	4.35	-0.09	
57	S Ch CO10		41.49	63.43	-298.13	-44.52	5.31	-0.07	
60	S Ch CO10		43.35	66.05	-336.84	-44.72	5.53	-1.33	
71	S Ch CO10		-0.54	43.89	-325.83	-2.70	-27.30	-5.72	
72	S Ch CO10		19.66	-2.56	-373.26	2.32	-8.42	0.14	
74	S Ch CO10		11.26	-11.48	-191.32	0.00	0.00	0.01	
99	S Ch CO10		-16.85	-29.19	-187.48	0.00	0.00	-3.05	
100	S Ch CO10		76.22	-33.49	-224.34	0.00	0.00	-0.47	
101	S Ch CO10		79.37	23.29	-175.10	0.00	0.00	0.65	
135	S Ch CO10		2.01	80.62	-228.23	0.00	0.00	1.11	
138	S Ch CO10		38.62	-36.42	-53.44	0.00	0.00	0.27	
139	S Ch CO10		-17.78	-16.29	-169.11	0.00	0.00	-2.15	
286	S Ch CO10		-0.62	2.42	-365.27	-1.30	-0.04	0.01	
322	S Ch CO10		-111.70	12.77	-200.91	0.00	0.00	-3.40	
340	S Ch CO10		-83.23	1.06	-205.17	-1.57	8.06	0.24	
341	S Ch CO10		127.38	0.86	-245.67	-1.52	-7.84	-0.23	
342	S Ch CO10		-102.74	-10.24	-250.24	16.11	12.26	-2.23	
343	S Ch CO10		115.72	-11.64	-251.83	16.50	-11.76	2.25	
365	S Ch CO10		-44.05	26.86	-483.70	0.00	0.00	0.59	
370	S Ch CO10		110.39	55.76	-595.62	-21.69	-0.51	-0.01	
372	S Ch CO10		-0.17	5.98	-591.72	-1.39	0.22	0.03	
377	S Ch CO10		1.18	-22.44	-650.10	-19.26	-0.25	-0.94	
415	S Ch CO10		-92.24	63.42	-347.39	1.15	-5.46	-3.84	
417	S Ch CO10		-31.02	-9.13	-74.48	-3.11	-10.54	5.15	
419	S Ch CO10		-64.89	5.52	-254.34	-1.57	-31.32	0.43	
422	S Ch CO10		-0.98	12.75	-192.56	-1.96	0.85	-1.22	
424	S Ch CO10		-62.83	8.17	-312.23	-1.20	-27.20	-0.90	
443	S Ch CO10		30.00	-20.81	-255.74	-7.41	-2.64	3.72	
445	S Ch CO10		-14.84	-40.68	-234.27	-6.42	5.44	2.86	
465	S Ch CO10		-1.90	-5.75	-569.66	7.55	-2.23	0.08	
468	S Ch CO10		0.59	-6.91	-611.82	8.88	1.23	0.07	
542	S Ch CO10		-34.23	-51.87	-202.30	0.00	0.00	0.36	
547	S Ch CO10		21.56	22.80	-97.64	0.00	0.00	0.14	
548	S Ch CO10		-37.59	-67.11	-165.77	0.00	0.00	1.11	
589	S Ch CO10		0.89	-2.71	-202.74	8.90	2.70	-0.14	
593	S Ch CO10		22.16	52.35	-289.24	-31.30	2.34	-3.82	
607	S Ch CO10		-1.02	-2.21	-188.75	6.98	-3.45	-0.17	
687	S Ch CO10		-22.68	-29.07	-163.62	0.00	0.00	-1.05	
688	S Ch CO10		-4.87	-26.59	-163.02	0.00	0.00	4.82	
689	S Ch CO10		-7.50	-41.13	-192.58	0.00	0.00	1.33	
690	S Ch CO10		-7.04	-41.72	-196.91	0.00	0.00	-0.05	
691	S Ch CO10		-22.22	-31.73	-185.42	0.00	0.00	-2.93	
692	S Ch CO10		1.30	-17.30	-229.04	0.00	0.00	-0.49	
693	S Ch CO10		24.54	-26.47	-239.09	0.00	0.00	1.13	
694	S Ch CO10		8.89	-34.78	-231.79	0.00	0.00	0.02	
695	S Ch CO10		10.35	-34.53	-240.70	0.00	0.00	0.08	
696	S Ch CO10		11.42	-34.84	-244.09	0.00	0.00	-0.01	
697	S Ch CO10		1.93	-35.06	-253.80	0.00	0.00	0.11	
698	S Ch CO10		-0.28	-33.08	-259.75	0.00	0.00	-0.08	
699	S Ch CO10		-5.27	-36.47	-232.75	0.00	0.00	2.06	
700	S Ch CO10		7.70	-30.02	-184.32	0.00	0.00	2.40	

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
703	S Ch CO10		34.16	-14.86	-338.83	0.00	0.00	0.89	
704	S Ch CO10		30.75	18.07	-350.97	0.00	0.00	-1.83	
705	S Ch CO10		32.32	-0.24	-376.55	0.00	0.00	0.97	
706	S Ch CO10		34.85	6.21	-344.82	0.00	0.00	-0.05	
709	S Ch CO10		27.10	23.33	-290.20	0.00	0.00	-2.26	
710	S Ch CO10		23.86	28.84	-279.86	0.00	0.00	1.55	
711	S Ch CO10		51.64	29.24	-317.91	0.00	0.00	-1.53	
717	S Ch CO10		16.13	33.65	-165.98	0.00	0.00	0.21	
718	S Ch CO10		20.19	32.70	-160.27	0.00	0.00	0.00	
719	S Ch CO10		25.85	32.72	-156.68	0.00	0.00	0.01	
720	S Ch CO10		31.47	32.69	-165.19	0.00	0.00	0.03	
721	S Ch CO10		12.59	38.58	-175.30	0.00	0.00	0.28	
747	S Ch CO10		-5.28	0.18	-307.73	-0.65	16.28	0.03	
749	S Ch CO10		-0.28	16.22	-227.42	0.00	0.00	0.45	
750	S Ch CO10		0.28	-25.55	-176.75	0.00	0.00	-0.31	
751	S Ch CO10		7.71	-0.14	-109.01	0.00	0.00	0.01	
752	S Ch CO10		3.05	-0.09	-152.33	0.00	0.00	-0.02	
753	S Ch CO10		-7.44	-1.72	-247.70	0.00	0.00	-0.03	
754	S Ch CO10		27.80	-0.55	-171.75	0.00	0.00	0.01	
772	S Ch CO10		41.29	1.54	-462.91	-8.02	78.47	-0.15	
779	S Ch CO10		3.68	-30.35	-78.17	0.00	0.00	0.38	
783	S Ch CO10		34.88	-0.19	-117.98	0.00	0.00	0.07	
785	S Ch CO10		-71.34	17.81	-230.08	0.00	0.00	-2.73	
799	S Ch CO10		59.83	-1.40	-355.86	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Ch CO10	P_x	133.36	-1.91	-566.38	-11.73	29.43	0.39	
322			-111.70	12.77	-200.91	0.00	0.00	-3.40	
135		P_y	2.01	80.62	-228.23	0.00	0.00	1.11	
548			-37.59	-67.11	-165.77	0.00	0.00	1.11	
138		P_z	38.62	-36.42	-53.44	0.00	0.00	0.27	
377			1.18	-22.44	-650.10	-19.26	-0.25	-0.94	
343		M_x	115.72	-11.64	-251.83	16.50	-11.76	2.25	
60			43.35	66.05	-336.84	-44.72	5.53	-1.33	
772		M_y	41.29	1.54	-462.91	-8.02	78.47	-0.15	
419			-64.89	5.52	-254.34	-1.57	-31.32	0.43	
417		M_z	-31.02	-9.13	-74.48	-3.11	-10.54	5.15	
71			-0.54	43.89	-325.83	-2.70	-27.30	-5.72	
	Sum of loads and sum of support forces								
	S Ch CO10		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-46223.80	Loads			
Σ			548.09	61.40	-22180.20	Support Forces			
20	S Fr CO11		-55.67	-2.67	-470.99	-7.10	17.97	1.80	
25	S Fr CO11		-3.47	-3.87	-408.87	5.47	-19.17	-1.94	
32	S Fr CO11		-20.65	-5.13	-339.25	5.79	-9.08	-0.46	
39	S Fr CO11		117.36	-1.98	-500.55	-10.52	26.94	0.37	
45	S Fr CO11		-2.66	-0.48	-329.50	-2.09	10.72	0.16	
51	S Fr CO11		20.62	61.33	-258.70	-43.68	2.67	-0.08	
54	S Fr CO11		34.76	61.88	-249.61	-44.86	4.56	-0.06	
57	S Fr CO11		46.52	62.38	-248.32	-45.33	6.03	0.10	
60	S Fr CO11		48.51	63.06	-266.41	-41.73	6.29	-1.18	
71	S Fr CO11		-5.35	36.47	-296.40	-2.23	-26.05	-5.85	
72	S Fr CO11		17.95	-0.91	-282.15	0.06	-8.04	0.06	
74	S Fr CO11		10.23	-11.69	-175.88	0.00	0.00	0.01	
99	S Fr CO11		-15.78	-29.02	-178.19	0.00	0.00	-3.10	
100	S Fr CO11		68.63	-30.40	-200.72	0.00	0.00	-0.42	
101	S Fr CO11		72.52	21.03	-158.91	0.00	0.00	0.65	
135	S Fr CO11		3.79	72.40	-205.65	0.00	0.00	1.18	
138	S Fr CO11		38.73	-36.77	-55.59	0.00	0.00	0.24	
139	S Fr CO11		-16.48	-15.81	-160.18	0.00	0.00	-2.13	
286	S Fr CO11		-0.66	2.11	-330.14	-1.17	-0.21	0.03	
322	S Fr CO11		-101.26	11.70	-183.73	0.00	0.00	-3.07	
340	S Fr CO11		-73.76	0.75	-183.07	-1.31	7.18	0.20	
341	S Fr CO11		113.59	0.94	-218.00	-1.36	-6.96	-0.21	
342	S Fr CO11		-85.45	-8.30	-210.75	13.04	10.39	-1.81	
343	S Fr CO11		99.80	-9.45	-215.05	13.36	-9.99	1.83	
365	S Fr CO11		-34.38	24.20	-438.95	0.00	0.00	0.56	
370	S Fr CO11		104.40	54.97	-537.00	-19.38	0.30	0.03	
372	S Fr CO11		-0.01	5.51	-501.56	-1.26	0.42	0.03	
377	S Fr CO11		1.16	-22.31	-561.11	-17.60	-0.05	-0.85	
415	S Fr CO11		-87.88	56.42	-313.40	1.20	-5.66	-3.85	
417	S Fr CO11		-32.52	-6.19	-65.30	-3.14	-10.23	5.12	
419	S Fr CO11		-64.06	7.85	-230.92	-1.68	-30.57	0.38	
422	S Fr CO11		-1.84	9.30	-180.00	-1.57	0.24	-1.25	
424	S Fr CO11		-62.30	7.46	-277.01	-1.08	-26.92	-0.73	
443	S Fr CO11		18.68	-19.77	-230.12	-6.47	-3.68	3.80	

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
445	S Fr CO11		-3.90	-31.89	-206.57	-6.84	6.43	2.82	
465	S Fr CO11		-1.49	-4.62	-500.38	6.02	-1.68	0.08	
468	S Fr CO11		0.53	-5.53	-540.97	7.03	1.13	0.06	
542	S Fr CO11		-30.34	-48.26	-191.73	0.00	0.00	0.35	
547	S Fr CO11		20.25	21.71	-94.21	0.00	0.00	0.14	
548	S Fr CO11		-38.17	-65.77	-163.57	0.00	0.00	1.12	
589	S Fr CO11		0.77	-2.44	-177.98	8.04	2.32	-0.13	
593	S Fr CO11		13.16	50.80	-235.11	-30.17	1.35	-3.91	
607	S Fr CO11		-0.89	-1.98	-166.94	6.29	-3.00	-0.16	
687	S Fr CO11		-22.71	-28.84	-158.85	0.00	0.00	-1.07	
688	S Fr CO11		-5.83	-26.56	-156.86	0.00	0.00	4.83	
689	S Fr CO11		-7.70	-41.13	-184.15	0.00	0.00	1.34	
690	S Fr CO11		-6.87	-41.72	-188.12	0.00	0.00	-0.05	
691	S Fr CO11		-21.40	-31.69	-177.00	0.00	0.00	-2.95	
692	S Fr CO11		1.23	-17.21	-214.04	0.00	0.00	-0.57	
693	S Fr CO11		23.49	-26.80	-226.15	0.00	0.00	1.14	
694	S Fr CO11		8.58	-34.56	-219.38	0.00	0.00	0.09	
695	S Fr CO11		10.01	-34.49	-226.98	0.00	0.00	0.07	
696	S Fr CO11		11.05	-34.74	-229.82	0.00	0.00	-0.02	
697	S Fr CO11		2.03	-34.90	-238.72	0.00	0.00	0.09	
698	S Fr CO11		0.17	-32.89	-244.35	0.00	0.00	-0.08	
699	S Fr CO11		-4.29	-36.41	-220.15	0.00	0.00	2.09	
700	S Fr CO11		7.62	-29.89	-175.13	0.00	0.00	2.44	
703	S Fr CO11		34.55	-14.02	-309.15	0.00	0.00	0.93	
704	S Fr CO11		30.90	15.95	-320.85	0.00	0.00	-1.91	
705	S Fr CO11		32.26	0.56	-343.60	0.00	0.00	0.97	
706	S Fr CO11		34.83	8.14	-317.04	0.00	0.00	-0.05	
709	S Fr CO11		27.14	25.36	-273.00	0.00	0.00	-2.26	
710	S Fr CO11		28.21	28.87	-261.05	0.00	0.00	1.54	
711	S Fr CO11		52.69	29.26	-290.38	0.00	0.00	-1.52	
717	S Fr CO11		13.75	33.22	-138.97	0.00	0.00	0.24	
718	S Fr CO11		19.36	32.15	-137.24	0.00	0.00	0.01	
719	S Fr CO11		29.03	32.19	-133.85	0.00	0.00	-0.01	
720	S Fr CO11		34.04	32.27	-137.43	0.00	0.00	0.01	
721	S Fr CO11		22.62	38.40	-145.80	0.00	0.00	0.20	
747	S Fr CO11		-0.75	0.15	-273.27	-0.57	14.06	0.02	
749	S Fr CO11		-0.29	12.83	-210.05	0.00	0.00	0.45	
750	S Fr CO11		0.20	-22.74	-159.32	0.00	0.00	-0.25	
751	S Fr CO11		6.03	-0.04	-98.72	0.00	0.00	0.00	
752	S Fr CO11		2.34	-0.02	-140.05	0.00	0.00	0.00	
753	S Fr CO11		-4.52	-1.61	-213.51	0.00	0.00	-0.03	
754	S Fr CO11		24.71	-0.55	-153.34	0.00	0.00	0.01	
772	S Fr CO11		30.71	1.85	-389.59	-7.97	60.06	-0.14	
779	S Fr CO11		3.61	-29.19	-76.95	0.00	0.00	0.30	
783	S Fr CO11		31.88	-0.15	-105.38	0.00	0.00	0.05	
785	S Fr CO11		-63.15	15.59	-214.71	0.00	0.00	-2.43	
799	S Fr CO11		53.10	-1.28	-310.12	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Fr CO11	P_x	117.36	-1.98	-500.55	-10.52	26.94	0.37	
322			-101.26	11.70	-183.73	0.00	0.00	-3.07	
135		P_y	3.79	72.40	-205.65	0.00	0.00	1.18	
548			-38.17	-65.77	-163.57	0.00	0.00	1.12	
138		P_z	38.73	-36.77	-55.59	0.00	0.00	0.24	
377			1.16	-22.31	-561.11	-17.60	-0.05	-0.85	
343		M_x	99.80	-9.45	-215.05	13.36	-9.99	1.83	
57			46.52	62.38	-248.32	-45.33	6.03	0.10	
772		M_y	30.71	1.85	-389.59	-7.97	60.06	-0.14	
419			-64.06	7.85	-230.92	-1.68	-30.57	0.38	
417		M_z	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	
71			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	
	Sum of loads and sum of support forces								
	S Fr CO11		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-43548.80	Loads			
Σ			551.64	52.38	-19752.50	Support Forces			
20	S Fr CO12		-59.43	-2.19	-496.35	-7.47	18.86	1.96	
25	S Fr CO12		-3.97	-3.89	-428.38	5.48	-20.32	-1.95	
32	S Fr CO12		-21.41	-5.19	-353.25	5.81	-9.57	-0.46	
39	S Fr CO12		121.90	-2.44	-518.16	-10.77	27.81	0.37	
45	S Fr CO12		-2.92	-0.40	-342.92	-2.31	11.34	0.15	
51	S Fr CO12		19.35	61.36	-268.64	-43.53	2.55	-0.07	
54	S Fr CO12		34.04	61.96	-259.67	-44.85	4.46	-0.08	
57	S Fr CO12		45.42	62.67	-258.41	-45.78	5.87	0.08	
60	S Fr CO12		48.94	63.38	-282.61	-42.28	6.27	-1.17	
71	S Fr CO12		-2.23	41.15	-312.54	-2.58	-26.94	-5.76	
72	S Fr CO12		18.63	-1.02	-297.49	0.14	-8.18	0.07	

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		10.42	-11.09	-180.75	0.00	0.00	0.01	
99	SFr CO12		-16.08	-29.04	-178.83	0.00	0.00	-3.09	
100	SFr CO12		72.09	-31.86	-211.82	0.00	0.00	-0.45	
101	SFr CO12		74.59	22.22	-164.52	0.00	0.00	0.62	
135	SFr CO12		2.91	76.21	-216.20	0.00	0.00	1.14	
138	SFr CO12		38.20	-36.60	-53.96	0.00	0.00	0.26	
139	SFr CO12		-16.36	-16.10	-159.82	0.00	0.00	-2.14	
286	SFr CO12		-0.63	1.22	-345.60	-1.11	-0.11	0.01	
322	SFr CO12		-104.92	12.15	-189.55	0.00	0.00	-3.19	
340	SFr CO12		-80.41	0.98	-198.75	-1.53	7.80	0.24	
341	SFr CO12		123.31	0.92	-237.35	-1.51	-7.57	-0.23	
342	SFr CO12		-98.39	-9.97	-240.57	15.63	11.80	-2.16	
343	SFr CO12		111.72	-11.23	-242.32	15.98	-11.31	2.18	
365	SFr CO12		-39.04	25.49	-457.41	0.00	0.00	0.58	
370	SFr CO12		106.87	55.75	-567.16	-20.81	-0.20	0.02	
372	SFr CO12		-0.03	6.15	-547.08	-1.35	0.39	0.03	
377	SFr CO12		1.19	-20.67	-605.48	-18.14	-0.11	-0.88	
415	SFr CO12		-90.04	60.49	-335.55	1.20	-5.45	-3.85	
417	SFr CO12		-31.32	-7.01	-67.45	-3.15	-10.30	5.12	
419	SFr CO12		-64.11	7.16	-241.68	-1.70	-30.64	0.38	
422	SFr CO12		-1.45	11.48	-185.86	-1.81	0.58	-1.19	
424	SFr CO12		-62.13	8.18	-295.67	-1.20	-26.69	-0.81	
443	SFr CO12		20.75	-20.15	-234.90	-6.89	-3.51	3.80	
445	SFr CO12		-8.17	-35.87	-218.88	-6.71	6.09	2.84	
465	SFr CO12		-1.78	-5.42	-539.99	7.11	-2.09	0.08	
468	SFr CO12		0.56	-6.53	-587.05	8.40	1.18	0.06	
542	SFr CO12		-32.33	-49.80	-196.29	0.00	0.00	0.35	
547	SFr CO12		20.24	21.56	-94.03	0.00	0.00	0.14	
548	SFr CO12		-37.77	-65.85	-163.19	0.00	0.00	1.11	
589	SFr CO12		0.76	-2.43	-177.95	8.02	2.30	-0.14	
593	SFr CO12		14.78	50.98	-247.83	-30.42	1.49	-3.91	
607	SFr CO12		-0.88	-1.97	-167.10	6.26	-3.00	-0.16	
687	SFr CO12		-22.69	-29.07	-158.67	0.00	0.00	-1.06	
688	SFr CO12		-5.77	-26.57	-156.82	0.00	0.00	4.82	
689	SFr CO12		-7.66	-41.13	-184.14	0.00	0.00	1.34	
690	SFr CO12		-6.79	-41.72	-188.21	0.00	0.00	-0.05	
691	SFr CO12		-21.21	-31.69	-177.35	0.00	0.00	-2.95	
692	SFr CO12		1.45	-17.23	-218.00	0.00	0.00	-0.53	
693	SFr CO12		24.63	-26.79	-233.32	0.00	0.00	1.14	
694	SFr CO12		9.51	-34.67	-227.56	0.00	0.00	0.05	
695	SFr CO12		10.69	-34.50	-236.73	0.00	0.00	0.07	
696	SFr CO12		11.52	-34.78	-239.96	0.00	0.00	-0.02	
697	SFr CO12		1.64	-34.96	-248.49	0.00	0.00	0.10	
698	SFr CO12		-0.77	-32.95	-251.83	0.00	0.00	-0.08	
699	SFr CO12		-5.33	-36.42	-223.53	0.00	0.00	2.08	
700	SFr CO12		7.71	-29.92	-175.13	0.00	0.00	2.43	
703	SFr CO12		34.26	-14.25	-322.64	0.00	0.00	0.91	
704	SFr CO12		30.81	16.67	-334.26	0.00	0.00	-1.85	
705	SFr CO12		32.29	1.01	-358.16	0.00	0.00	0.97	
706	SFr CO12		34.83	7.46	-329.93	0.00	0.00	-0.05	
709	SFr CO12		27.11	24.35	-280.76	0.00	0.00	-2.26	
710	SFr CO12		25.56	28.85	-269.76	0.00	0.00	1.54	
711	SFr CO12		51.48	29.25	-303.66	0.00	0.00	-1.53	
717	SFr CO12		13.10	33.25	-146.49	0.00	0.00	0.24	
718	SFr CO12		19.04	32.17	-142.13	0.00	0.00	0.01	
719	SFr CO12		28.23	32.21	-139.20	0.00	0.00	-0.01	
720	SFr CO12		33.84	32.27	-143.82	0.00	0.00	0.01	
721	SFr CO12		21.00	38.38	-157.20	0.00	0.00	0.21	
747	SFr CO12		-3.44	0.17	-289.04	-0.61	15.09	0.03	
749	SFr CO12		-0.27	14.46	-214.35	0.00	0.00	0.44	
750	SFr CO12		0.26	-25.06	-168.72	0.00	0.00	-0.30	
751	SFr CO12		7.01	-0.05	-105.99	0.00	0.00	0.00	
752	SFr CO12		2.20	-0.02	-147.15	0.00	0.00	0.00	
753	SFr CO12		-4.60	-1.64	-221.92	0.00	0.00	-0.03	
754	SFr CO12		25.99	-0.55	-161.50	0.00	0.00	0.01	
772	SFr CO12		38.19	1.67	-442.13	-8.13	72.88	-0.15	
779	SFr CO12		3.66	-29.30	-76.88	0.00	0.00	0.35	
783	SFr CO12		33.52	-0.18	-113.21	0.00	0.00	0.06	
785	SFr CO12		-68.42	16.13	-222.87	0.00	0.00	-2.58	
799	SFr CO12		55.49	-1.32	-321.63	0.00	0.00	0.11	
	Total max/min values with corresponding values								
341	SFr CO12	P_x	123.31	0.92	-237.35	-1.51	-7.57	-0.23	
322			-104.92	12.15	-189.55	0.00	0.00	-3.19	
135		P_y	2.91	76.21	-216.20	0.00	0.00	1.14	
548			-37.77	-65.85	-163.19	0.00	0.00	1.11	
138		P_z	38.20	-36.60	-53.96	0.00	0.00	0.26	
377			1.19	-20.67	-605.48	-18.14	-0.11	-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
343		M_x	111.72	-11.23	-242.32	15.98	-11.31	2.18	
57			45.42	62.67	-258.41	-45.78	5.87	0.08	
772		M_y	38.19	1.67	-442.13	-8.13	72.88	-0.15	
419			-64.11	7.16	-241.68	-1.70	-30.64	0.38	
417		M_z	-31.32	-7.01	-67.45	-3.15	-10.30	5.12	
71			-2.23	41.15	-312.54	-2.58	-26.94	-5.76	
	Sum of loads and sum of support forces								
	S Fr CO12		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-44671.40	Loads			
Σ			548.99	58.28	-20702.20	Support Forces			
20	S Fr CO13		-59.88	-2.21	-501.62	-7.54	19.02	1.97	
25	S Fr CO13		-4.00	-3.88	-441.00	5.47	-20.49	-1.97	
32	S Fr CO13		-22.07	-5.21	-359.59	5.83	-9.61	-0.46	
39	S Fr CO13		123.76	-2.29	-526.27	-10.94	28.06	0.37	
45	S Fr CO13		-2.81	-0.38	-353.75	-2.35	11.30	0.16	
51	S Fr CO13		20.07	61.46	-275.98	-43.18	2.65	-0.04	
54	S Fr CO13		33.95	61.97	-267.03	-44.28	4.46	-0.08	
57	S Fr CO13		44.78	62.80	-265.54	-45.50	5.78	0.05	
60	S Fr CO13		47.84	63.89	-292.18	-42.73	6.13	-1.20	
71	S Fr CO13		-2.14	41.34	-314.00	-2.58	-26.97	-5.76	
72	S Fr CO13		18.73	-1.31	-311.44	0.57	-8.20	0.08	
74	S Fr CO13		10.56	-11.21	-182.47	0.00	0.00	0.01	
99	S Fr CO13		-16.22	-29.07	-180.51	0.00	0.00	-3.08	
100	S Fr CO13		72.64	-32.07	-213.44	0.00	0.00	-0.45	
101	S Fr CO13		75.38	22.34	-166.19	0.00	0.00	0.63	
135	S Fr CO13		2.80	76.79	-217.77	0.00	0.00	1.13	
138	S Fr CO13		38.33	-36.57	-53.98	0.00	0.00	0.26	
139	S Fr CO13		-16.65	-16.12	-161.72	0.00	0.00	-2.14	
286	S Fr CO13		-0.63	1.53	-348.28	-1.15	-0.11	0.01	
322	S Fr CO13		-105.99	12.24	-191.36	0.00	0.00	-3.22	
340	S Fr CO13		-80.40	0.99	-198.72	-1.53	7.80	0.24	
341	S Fr CO13		123.31	0.92	-237.37	-1.51	-7.57	-0.23	
342	S Fr CO13		-98.38	-9.97	-240.52	15.63	11.79	-2.16	
343	S Fr CO13		111.72	-11.23	-242.36	15.98	-11.32	2.18	
365	S Fr CO13		-39.68	25.66	-461.20	0.00	0.00	0.58	
370	S Fr CO13		107.38	55.74	-570.52	-20.88	-0.22	0.01	
372	S Fr CO13		-0.06	6.08	-552.36	-1.35	0.36	0.03	
377	S Fr CO13		1.18	-21.14	-610.86	-18.32	-0.13	-0.89	
415	S Fr CO13		-90.32	60.69	-336.11	1.20	-5.47	-3.84	
417	S Fr CO13		-31.39	-7.33	-68.54	-3.14	-10.34	5.12	
419	S Fr CO13		-64.26	6.87	-243.29	-1.67	-30.78	0.39	
422	S Fr CO13		-1.39	11.56	-186.66	-1.82	0.60	-1.20	
424	S Fr CO13		-62.29	8.08	-297.69	-1.19	-26.83	-0.82	
443	S Fr CO13		22.46	-20.34	-238.86	-6.95	-3.35	3.78	
445	S Fr CO13		-9.13	-36.46	-220.82	-6.67	5.99	2.85	
465	S Fr CO13		-1.78	-5.42	-542.76	7.11	-2.08	0.08	
468	S Fr CO13		0.57	-6.53	-588.32	8.39	1.19	0.06	
542	S Fr CO13		-32.54	-50.09	-197.10	0.00	0.00	0.35	
547	S Fr CO13		20.50	21.82	-94.76	0.00	0.00	0.14	
548	S Fr CO13		-37.77	-66.10	-163.75	0.00	0.00	1.11	
589	S Fr CO13		0.79	-2.49	-182.91	8.20	2.38	-0.14	
593	S Fr CO13		16.16	51.24	-255.14	-30.57	1.65	-3.89	
607	S Fr CO13		-0.91	-2.02	-171.42	6.40	-3.09	-0.16	
687	S Fr CO13		-22.69	-29.05	-159.68	0.00	0.00	-1.06	
688	S Fr CO13		-5.60	-26.58	-158.06	0.00	0.00	4.82	
689	S Fr CO13		-7.63	-41.13	-185.83	0.00	0.00	1.34	
690	S Fr CO13		-6.85	-41.72	-189.94	0.00	0.00	-0.05	
691	S Fr CO13		-21.43	-31.70	-178.94	0.00	0.00	-2.95	
692	S Fr CO13		1.40	-17.24	-219.89	0.00	0.00	-0.52	
693	S Fr CO13		24.52	-26.72	-233.89	0.00	0.00	1.14	
694	S Fr CO13		9.30	-34.68	-227.75	0.00	0.00	0.05	
695	S Fr CO13		10.56	-34.51	-236.74	0.00	0.00	0.07	
696	S Fr CO13		11.45	-34.79	-239.97	0.00	0.00	-0.02	
697	S Fr CO13		1.72	-34.97	-248.77	0.00	0.00	0.10	
698	S Fr CO13		-0.60	-32.97	-252.82	0.00	0.00	-0.08	
699	S Fr CO13		-5.24	-36.43	-225.11	0.00	0.00	2.08	
700	S Fr CO13		7.70	-29.94	-176.97	0.00	0.00	2.43	
703	S Fr CO13		34.26	-14.35	-324.80	0.00	0.00	0.90	
704	S Fr CO13		30.81	16.90	-336.54	0.00	0.00	-1.85	
705	S Fr CO13		32.30	0.73	-360.68	0.00	0.00	0.97	
706	S Fr CO13		34.84	7.27	-331.88	0.00	0.00	-0.05	
709	S Fr CO13		27.11	24.23	-282.03	0.00	0.00	-2.26	
710	S Fr CO13		25.43	28.85	-271.08	0.00	0.00	1.54	
711	S Fr CO13		51.61	29.25	-305.46	0.00	0.00	-1.53	
717	S Fr CO13		13.79	33.33	-149.82	0.00	0.00	0.24	

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	SFr CO13		19.32	32.28	-145.35	0.00	0.00	0.01	
719	SFr CO13		27.85	32.31	-142.27	0.00	0.00	-0.01	
720	SFr CO13		33.43	32.35	-147.60	0.00	0.00	0.02	
721	SFr CO13		19.48	38.42	-159.89	0.00	0.00	0.22	
747	SFr CO13		-3.61	0.17	-291.52	-0.61	15.24	0.03	
749	SFr CO13		-0.28	14.68	-216.62	0.00	0.00	0.44	
750	SFr CO13		0.26	-24.97	-169.57	0.00	0.00	-0.29	
751	SFr CO13		7.05	-0.07	-106.15	0.00	0.00	0.00	
752	SFr CO13		2.34	-0.03	-147.60	0.00	0.00	-0.01	
753	SFr CO13		-5.21	-1.65	-226.47	0.00	0.00	-0.03	
754	SFr CO13		26.25	-0.55	-162.90	0.00	0.00	0.01	
772	SFr CO13		38.21	1.66	-442.12	-8.13	72.97	-0.15	
779	SFr CO13		3.66	-29.50	-77.14	0.00	0.00	0.35	
783	SFr CO13		33.66	-0.18	-113.53	0.00	0.00	0.06	
785	SFr CO13		-68.59	16.43	-223.67	0.00	0.00	-2.59	
799	SFr CO13		56.12	-1.33	-327.54	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	SFr CO13	P_x	123.76	-2.29	-526.27	-10.94	28.06	0.37	
322			-105.99	12.24	-191.36	0.00	0.00	-3.22	
135		P_y	2.80	76.79	-217.77	0.00	0.00	1.13	
548			-37.77	-66.10	-163.75	0.00	0.00	1.11	
138		P_z	38.33	-36.57	-53.98	0.00	0.00	0.26	
377			1.18	-21.14	-610.86	-18.32	-0.13	-0.89	
343		M_x	111.72	-11.23	-242.36	15.98	-11.32	2.18	
57			44.78	62.80	-265.54	-45.50	5.78	0.05	
772		M_y	38.21	1.66	-442.12	-8.13	72.97	-0.15	
419			-64.26	6.87	-243.29	-1.67	-30.78	0.39	
417		M_z	-31.39	-7.33	-68.54	-3.14	-10.34	5.12	
71			-2.14	41.34	-314.00	-2.58	-26.97	-5.76	
	Sum of loads and sum of support forces								
	SFr CO13		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-44892.10	Loads			
Σ			548.93	58.34	-20922.80	Support Forces			
20	SFr CO14		-56.81	-2.73	-484.16	-7.28	18.37	1.84	
25	SFr CO14		-3.54	-3.84	-440.43	5.44	-19.59	-1.99	
32	SFr CO14		-22.29	-5.19	-355.11	5.83	-9.18	-0.46	
39	SFr CO14		122.02	-1.62	-520.82	-10.95	27.56	0.37	
45	SFr CO14		-2.39	-0.43	-356.58	-2.20	10.61	0.16	
51	SFr CO14		22.44	61.57	-277.06	-42.81	2.91	-0.02	
54	SFr CO14		34.54	61.88	-268.02	-43.43	4.54	-0.05	
57	SFr CO14		44.92	62.70	-266.15	-44.61	5.80	0.03	
60	SFr CO14		45.74	64.33	-290.32	-42.86	5.95	-1.26	
71	SFr CO14		-5.11	36.95	-300.04	-2.22	-26.12	-5.85	
72	SFr CO14		18.19	-1.66	-317.03	1.11	-8.09	0.09	
74	SFr CO14		10.58	-12.00	-180.16	0.00	0.00	0.01	
99	SFr CO14		-16.12	-29.10	-182.39	0.00	0.00	-3.08	
100	SFr CO14		69.99	-30.92	-204.76	0.00	0.00	-0.43	
101	SFr CO14		74.49	21.34	-163.07	0.00	0.00	0.68	
135	SFr CO14		3.51	73.85	-209.57	0.00	0.00	1.17	
138	SFr CO14		39.04	-36.72	-55.65	0.00	0.00	0.24	
139	SFr CO14		-17.23	-15.85	-164.91	0.00	0.00	-2.14	
286	SFr CO14		-0.66	2.89	-336.85	-1.29	-0.20	0.03	
322	SFr CO14		-103.92	11.92	-188.26	0.00	0.00	-3.15	
340	SFr CO14		-73.74	0.75	-183.00	-1.30	7.18	0.20	
341	SFr CO14		113.60	0.93	-218.06	-1.36	-6.96	-0.21	
342	SFr CO14		-85.44	-8.30	-210.63	13.04	10.38	-1.81	
343	SFr CO14		99.81	-9.46	-215.17	13.36	-10.00	1.83	
365	SFr CO14		-35.97	24.64	-448.43	0.00	0.00	0.56	
370	SFr CO14		105.69	54.93	-545.40	-19.54	0.24	0.03	
372	SFr CO14		-0.07	5.34	-514.77	-1.26	0.34	0.03	
377	SFr CO14		1.15	-23.49	-574.55	-18.05	-0.11	-0.87	
415	SFr CO14		-88.59	56.92	-314.80	1.20	-5.73	-3.85	
417	SFr CO14		-32.70	-6.99	-68.01	-3.13	-10.34	5.14	
419	SFr CO14		-64.45	7.13	-234.95	-1.62	-30.92	0.40	
422	SFr CO14		-1.69	9.50	-181.98	-1.59	0.30	-1.27	
424	SFr CO14		-62.70	7.20	-282.06	-1.05	-27.27	-0.76	
443	SFr CO14		22.94	-20.25	-240.01	-6.60	-3.28	3.76	
445	SFr CO14		-6.29	-33.38	-211.41	-6.75	6.18	2.83	
465	SFr CO14		-1.49	-4.63	-507.30	6.02	-1.67	0.08	
468	SFr CO14		0.54	-5.52	-544.14	7.00	1.14	0.06	
542	SFr CO14		-30.88	-48.97	-193.77	0.00	0.00	0.35	
547	SFr CO14		20.91	22.36	-96.05	0.00	0.00	0.14	
548	SFr CO14		-38.18	-66.38	-164.98	0.00	0.00	1.12	
589	SFr CO14		0.83	-2.58	-190.38	8.48	2.53	-0.13	
593	SFr CO14		16.60	51.45	-253.38	-30.54	1.76	-3.87	

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	SFr CO14		-0.96	-2.10	-177.73	6.66	-3.22	-0.16	
687	SFr CO14		-22.71	-28.78	-161.37	0.00	0.00	-1.06	
688	SFr CO14		-5.39	-26.57	-159.97	0.00	0.00	4.82	
689	SFr CO14		-7.63	-41.13	-188.37	0.00	0.00	1.34	
690	SFr CO14		-7.02	-41.72	-192.45	0.00	0.00	-0.05	
691	SFr CO14		-21.95	-31.71	-180.98	0.00	0.00	-2.94	
692	SFr CO14		1.12	-17.24	-218.77	0.00	0.00	-0.56	
693	SFr CO14		23.21	-26.64	-227.59	0.00	0.00	1.13	
694	SFr CO14		8.08	-34.60	-219.85	0.00	0.00	0.08	
695	SFr CO14		9.69	-34.50	-227.02	0.00	0.00	0.07	
696	SFr CO14		10.89	-34.76	-229.85	0.00	0.00	-0.02	
697	SFr CO14		2.23	-34.95	-239.41	0.00	0.00	0.10	
698	SFr CO14		0.58	-32.95	-246.81	0.00	0.00	-0.08	
699	SFr CO14		-4.07	-36.43	-224.09	0.00	0.00	2.08	
700	SFr CO14		7.58	-29.93	-179.73	0.00	0.00	2.42	
703	SFr CO14		34.56	-14.28	-314.55	0.00	0.00	0.93	
704	SFr CO14		30.89	16.52	-326.53	0.00	0.00	-1.91	
705	SFr CO14		32.26	-0.14	-349.90	0.00	0.00	0.98	
706	SFr CO14		34.84	7.67	-321.92	0.00	0.00	-0.06	
709	SFr CO14		27.14	25.06	-276.16	0.00	0.00	-2.26	
710	SFr CO14		27.89	28.86	-264.35	0.00	0.00	1.54	
711	SFr CO14		53.02	29.26	-294.89	0.00	0.00	-1.52	
717	SFr CO14		15.47	33.42	-147.30	0.00	0.00	0.23	
718	SFr CO14		20.08	32.41	-145.29	0.00	0.00	0.01	
719	SFr CO14		28.08	32.45	-141.51	0.00	0.00	-0.01	
720	SFr CO14		33.00	32.47	-146.88	0.00	0.00	0.02	
721	SFr CO14		18.80	38.50	-152.52	0.00	0.00	0.24	
747	SFr CO14		-1.18	0.15	-279.47	-0.58	14.45	0.02	
749	SFr CO14		-0.29	13.38	-215.72	0.00	0.00	0.46	
750	SFr CO14		0.20	-22.51	-161.46	0.00	0.00	-0.25	
751	SFr CO14		6.13	-0.09	-99.12	0.00	0.00	0.01	
752	SFr CO14		2.68	-0.05	-141.19	0.00	0.00	-0.01	
753	SFr CO14		-6.04	-1.64	-224.89	0.00	0.00	-0.03	
754	SFr CO14		25.34	-0.55	-156.84	0.00	0.00	0.01	
772	SFr CO14		30.76	1.84	-389.57	-7.95	60.29	-0.14	
779	SFr CO14		3.62	-29.70	-77.60	0.00	0.00	0.30	
783	SFr CO14		32.23	-0.15	-106.18	0.00	0.00	0.05	
785	SFr CO14		-63.56	16.33	-216.71	0.00	0.00	-2.48	
799	SFr CO14		54.67	-1.31	-324.91	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	SFr CO14	P_x	122.02	-1.62	-520.82	-10.95	27.56	0.37	
322			-103.92	11.92	-188.26	0.00	0.00	-3.15	
135		P_y	3.51	73.85	-209.57	0.00	0.00	1.17	
548			-38.18	-66.38	-164.98	0.00	0.00	1.12	
138		P_z	39.04	-36.72	-55.65	0.00	0.00	0.24	
377			1.15	-23.49	-574.55	-18.05	-0.11	-0.87	
343		M_x	99.81	-9.46	-215.17	13.36	-10.00	1.83	
57			44.92	62.70	-266.15	-44.61	5.80	0.03	
772		M_y	30.76	1.84	-389.57	-7.95	60.29	-0.14	
419			-64.45	7.13	-234.95	-1.62	-30.92	0.40	
417		M_z	-32.70	-6.99	-68.01	-3.13	-10.34	5.14	
71			-5.11	36.95	-300.04	-2.22	-26.12	-5.85	
	Sum of loads and sum of support forces								
	SFr CO14		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-44100.40	Loads			
Σ			551.51	52.52	-20304.00	Support Forces			
20	SFr CO15		-59.07	-2.44	-499.40	-7.50	18.91	1.93	
25	SFr CO15		-3.85	-3.85	-452.17	5.44	-20.28	-1.99	
32	SFr CO15		-22.78	-5.22	-363.60	5.84	-9.47	-0.47	
39	SFr CO15		124.67	-1.89	-531.25	-11.10	28.08	0.38	
45	SFr CO15		-2.55	-0.38	-364.60	-2.33	10.97	0.16	
51	SFr CO15		21.66	61.59	-283.10	-42.71	2.84	-0.01	
54	SFr CO15		34.17	61.93	-274.03	-43.41	4.49	-0.07	
57	SFr CO15		44.32	62.87	-272.20	-44.88	5.71	0.01	
60	SFr CO15		46.04	64.53	-300.03	-43.20	5.93	-1.25	
71	SFr CO15		-3.23	39.78	-309.83	-2.43	-26.69	-5.79	
72	SFr CO15		18.54	-1.72	-326.30	1.16	-8.16	0.10	
74	SFr CO15		10.68	-11.64	-183.07	0.00	0.00	0.01	
99	SFr CO15		-16.31	-29.11	-182.78	0.00	0.00	-3.07	
100	SFr CO15		72.07	-31.80	-211.42	0.00	0.00	-0.44	
101	SFr CO15		75.73	22.05	-166.44	0.00	0.00	0.66	
135	SFr CO15		2.98	76.14	-215.91	0.00	0.00	1.15	
138	SFr CO15		38.72	-36.61	-54.67	0.00	0.00	0.25	
139	SFr CO15		-17.15	-16.02	-164.71	0.00	0.00	-2.14	
286	SFr CO15		-0.64	2.36	-346.11	-1.25	-0.14	0.02	

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	S Fr CO15		-106.12	12.19	-191.76	0.00	0.00	-3.22	
340	S Fr CO15		-77.69	0.90	-192.33	-1.45	7.55	0.22	
341	S Fr CO15		119.39	0.93	-229.56	-1.46	-7.33	-0.23	
342	S Fr CO15		-93.39	-9.40	-229.01	14.73	11.25	-2.04	
343	S Fr CO15		107.16	-10.60	-231.94	15.06	-10.81	2.06	
365	S Fr CO15		-38.78	25.42	-459.52	0.00	0.00	0.58	
370	S Fr CO15		107.18	55.44	-563.57	-20.41	-0.06	0.01	
372	S Fr CO15		-0.09	5.74	-542.07	-1.32	0.33	0.03	
377	S Fr CO15		1.17	-22.49	-601.18	-18.38	-0.14	-0.89	
415	S Fr CO15		-89.90	59.29	-328.06	1.21	-5.60	-3.84	
417	S Fr CO15		-32.01	-7.44	-69.14	-3.13	-10.39	5.14	
419	S Fr CO15		-64.48	6.70	-241.34	-1.63	-30.97	0.40	
422	S Fr CO15		-1.46	10.81	-185.43	-1.73	0.50	-1.23	
424	S Fr CO15		-62.61	7.58	-293.48	-1.12	-27.15	-0.81	
443	S Fr CO15		24.21	-20.59	-243.06	-6.83	-3.17	3.76	
445	S Fr CO15		-8.81	-35.72	-218.64	-6.68	5.98	2.84	
465	S Fr CO15		-1.66	-5.10	-531.07	6.67	-1.92	0.08	
468	S Fr CO15		0.56	-6.12	-571.79	7.82	1.17	0.06	
542	S Fr CO15		-32.06	-49.89	-196.47	0.00	0.00	0.35	
547	S Fr CO15		20.90	22.27	-95.93	0.00	0.00	0.14	
548	S Fr CO15		-37.94	-66.43	-164.76	0.00	0.00	1.11	
589	S Fr CO15		0.83	-2.58	-190.36	8.47	2.51	-0.14	
593	S Fr CO15		17.62	51.55	-261.07	-30.68	1.85	-3.87	
607	S Fr CO15		-0.95	-2.09	-177.83	6.64	-3.22	-0.16	
687	S Fr CO15		-22.70	-28.91	-161.27	0.00	0.00	-1.06	
688	S Fr CO15		-5.36	-26.58	-159.94	0.00	0.00	4.82	
689	S Fr CO15		-7.61	-41.13	-188.36	0.00	0.00	1.33	
690	S Fr CO15		-6.97	-41.72	-192.50	0.00	0.00	-0.05	
691	S Fr CO15		-21.83	-31.71	-181.19	0.00	0.00	-2.94	
692	S Fr CO15		1.25	-17.25	-221.15	0.00	0.00	-0.53	
693	S Fr CO15		23.89	-26.63	-231.88	0.00	0.00	1.13	
694	S Fr CO15		8.62	-34.66	-224.76	0.00	0.00	0.06	
695	S Fr CO15		10.08	-34.51	-232.86	0.00	0.00	0.07	
696	S Fr CO15		11.16	-34.78	-235.93	0.00	0.00	-0.02	
697	S Fr CO15		1.98	-34.98	-245.28	0.00	0.00	0.10	
698	S Fr CO15		0.01	-32.98	-251.30	0.00	0.00	-0.08	
699	S Fr CO15		-4.70	-36.43	-226.13	0.00	0.00	2.07	
700	S Fr CO15		7.64	-29.95	-179.73	0.00	0.00	2.42	
703	S Fr CO15		34.39	-14.41	-322.65	0.00	0.00	0.91	
704	S Fr CO15		30.84	16.96	-334.58	0.00	0.00	-1.87	
705	S Fr CO15		32.29	0.14	-358.64	0.00	0.00	0.97	
706	S Fr CO15		34.84	7.27	-329.66	0.00	0.00	-0.05	
709	S Fr CO15		27.12	24.45	-280.82	0.00	0.00	-2.26	
710	S Fr CO15		26.31	28.86	-269.57	0.00	0.00	1.54	
711	S Fr CO15		52.29	29.25	-302.87	0.00	0.00	-1.53	
717	S Fr CO15		15.12	33.44	-151.90	0.00	0.00	0.23	
718	S Fr CO15		19.91	32.43	-148.17	0.00	0.00	0.01	
719	S Fr CO15		27.64	32.46	-144.72	0.00	0.00	0.00	
720	S Fr CO15		32.92	32.48	-150.75	0.00	0.00	0.02	
721	S Fr CO15		17.87	38.49	-159.32	0.00	0.00	0.24	
747	S Fr CO15		-2.81	0.16	-288.93	-0.60	15.06	0.03	
749	S Fr CO15		-0.29	14.37	-218.30	0.00	0.00	0.45	
750	S Fr CO15		0.24	-23.90	-167.10	0.00	0.00	-0.28	
751	S Fr CO15		6.70	-0.09	-103.65	0.00	0.00	0.01	
752	S Fr CO15		2.54	-0.05	-145.43	0.00	0.00	-0.01	
753	S Fr CO15		-6.15	-1.66	-230.00	0.00	0.00	-0.03	
754	S Fr CO15		26.11	-0.55	-161.74	0.00	0.00	0.01	
772	S Fr CO15		35.25	1.77	-421.30	-8.12	67.98	-0.15	
779	S Fr CO15		3.64	-29.76	-77.56	0.00	0.00	0.33	
783	S Fr CO15		33.21	-0.17	-110.88	0.00	0.00	0.06	
785	S Fr CO15		-66.73	16.66	-221.62	0.00	0.00	-2.57	
799	S Fr CO15		56.05	-1.33	-331.80	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	S Fr CO15	P_x	124.67	-1.89	-531.25	-11.10	28.08	0.38	
322			-106.12	12.19	-191.76	0.00	0.00	-3.22	
135		P_y	2.98	76.14	-215.91	0.00	0.00	1.15	
548			-37.94	-66.43	-164.76	0.00	0.00	1.11	
138		P_z	38.72	-36.61	-54.67	0.00	0.00	0.25	
377			1.17	-22.49	-601.18	-18.38	-0.14	-0.89	
343		M_x	107.16	-10.60	-231.94	15.06	-10.81	2.06	
57			44.32	62.87	-272.20	-44.88	5.71	0.01	
772		M_y	35.25	1.77	-421.30	-8.12	67.98	-0.15	
419			-64.48	6.70	-241.34	-1.63	-30.97	0.40	
417		M_z	-32.01	-7.44	-69.14	-3.13	-10.39	5.14	
71			-3.23	39.78	-309.83	-2.43	-26.69	-5.79	
	Sum of loads and sum of 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
	S Fr CO15		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-44774.00	Loads			
Σ			549.81	55.94	-20875.20	Support Forces			
20	SLS CO16		-55.67	-2.67	-470.99	-7.10	17.97	1.80	
25	SLS CO16		-3.47	-3.87	-408.87	5.47	-19.17	-1.94	
32	SLS CO16		-20.65	-5.13	-339.25	5.79	-9.08	-0.46	
39	SLS CO16		117.36	-1.98	-500.55	-10.52	26.94	0.37	
45	SLS CO16		-2.66	-0.48	-329.50	-2.09	10.72	0.16	
51	SLS CO16		20.62	61.33	-258.70	-43.68	2.67	-0.08	
54	SLS CO16		34.76	61.88	-249.61	-44.86	4.56	-0.06	
57	SLS CO16		46.52	62.38	-248.32	-45.33	6.03	0.10	
60	SLS CO16		48.51	63.06	-266.41	-41.73	6.29	-1.18	
71	SLS CO16		-5.35	36.47	-296.40	-2.23	-26.05	-5.85	
72	SLS CO16		17.95	-0.91	-282.15	0.06	-8.04	0.06	
74	SLS CO16		10.23	-11.69	-175.88	0.00	0.00	0.01	
99	SLS CO16		-15.78	-29.02	-178.19	0.00	0.00	-3.10	
100	SLS CO16		68.63	-30.40	-200.72	0.00	0.00	-0.42	
101	SLS CO16		72.52	21.03	-158.91	0.00	0.00	0.65	
135	SLS CO16		3.79	72.40	-205.65	0.00	0.00	1.18	
138	SLS CO16		38.73	-36.77	-55.59	0.00	0.00	0.24	
139	SLS CO16		-16.48	-15.81	-160.18	0.00	0.00	-2.13	
286	SLS CO16		-0.66	2.11	-330.14	-1.17	-0.21	0.03	
322	SLS CO16		-101.26	11.70	-183.73	0.00	0.00	-3.07	
340	SLS CO16		-73.76	0.75	-183.07	-1.31	7.18	0.20	
341	SLS CO16		113.59	0.94	-218.00	-1.36	-6.96	-0.21	
342	SLS CO16		-85.45	-8.30	-210.75	13.04	10.39	-1.81	
343	SLS CO16		99.80	-9.45	-215.05	13.36	-9.99	1.83	
365	SLS CO16		-34.38	24.20	-438.95	0.00	0.00	0.56	
370	SLS CO16		104.40	54.97	-537.00	-19.38	0.30	0.03	
372	SLS CO16		-0.01	5.51	-501.56	-1.26	0.42	0.03	
377	SLS CO16		1.16	-22.31	-561.11	-17.60	-0.05	-0.85	
415	SLS CO16		-87.88	56.42	-313.40	1.20	-5.66	-3.85	
417	SLS CO16		-32.52	-6.19	-65.30	-3.14	-10.23	5.12	
419	SLS CO16		-64.06	7.85	-230.92	-1.68	-30.57	0.38	
422	SLS CO16		-1.84	9.30	-180.00	-1.57	0.24	-1.25	
424	SLS CO16		-62.30	7.46	-277.01	-1.08	-26.92	-0.73	
443	SLS CO16		18.68	-19.77	-230.12	-6.47	-3.68	3.80	
445	SLS CO16		-3.90	-31.89	-206.57	-6.84	6.43	2.82	
465	SLS CO16		-1.49	-4.62	-500.38	6.02	-1.68	0.08	
468	SLS CO16		0.53	-5.53	-540.97	7.03	1.13	0.06	
542	SLS CO16		-30.34	-48.26	-191.73	0.00	0.00	0.35	
547	SLS CO16		20.25	21.71	-94.21	0.00	0.00	0.14	
548	SLS CO16		-38.17	-65.77	-163.57	0.00	0.00	1.12	
589	SLS CO16		0.77	-2.44	-177.98	8.04	2.32	-0.13	
593	SLS CO16		13.16	50.80	-235.11	-30.17	1.35	-3.91	
607	SLS CO16		-0.89	-1.98	-166.94	6.29	-3.00	-0.16	
687	SLS CO16		-22.71	-28.84	-158.85	0.00	0.00	-1.07	
688	SLS CO16		-5.83	-26.56	-156.86	0.00	0.00	4.83	
689	SLS CO16		-7.70	-41.13	-184.15	0.00	0.00	1.34	
690	SLS CO16		-6.87	-41.72	-188.12	0.00	0.00	-0.05	
691	SLS CO16		-21.40	-31.69	-177.00	0.00	0.00	-2.95	
692	SLS CO16		1.23	-17.21	-214.04	0.00	0.00	-0.57	
693	SLS CO16		23.49	-26.80	-226.15	0.00	0.00	1.14	
694	SLS CO16		8.58	-34.56	-219.38	0.00	0.00	0.09	
695	SLS CO16		10.01	-34.49	-226.98	0.00	0.00	0.07	
696	SLS CO16		11.05	-34.74	-229.82	0.00	0.00	-0.02	
697	SLS CO16		2.03	-34.90	-238.72	0.00	0.00	0.09	
698	SLS CO16		0.17	-32.89	-244.35	0.00	0.00	-0.08	
699	SLS CO16		-4.29	-36.41	-220.15	0.00	0.00	2.09	
700	SLS CO16		7.62	-29.89	-175.13	0.00	0.00	2.44	
703	SLS CO16		34.55	-14.02	-309.15	0.00	0.00	0.93	
704	SLS CO16		30.90	15.95	-320.85	0.00	0.00	-1.91	
705	SLS CO16		32.26	0.56	-343.60	0.00	0.00	0.97	
706	SLS CO16		34.83	8.14	-317.04	0.00	0.00	-0.05	
709	SLS CO16		27.14	25.36	-273.00	0.00	0.00	-2.26	
710	SLS CO16		28.21	28.87	-261.05	0.00	0.00	1.54	
711	SLS CO16		52.69	29.26	-290.38	0.00	0.00	-1.52	
717	SLS CO16		13.75	33.22	-138.97	0.00	0.00	0.24	
718	SLS CO16		19.36	32.15	-137.24	0.00	0.00	0.01	
719	SLS CO16		29.03	32.19	-133.85	0.00	0.00	-0.01	
720	SLS CO16		34.04	32.27	-137.43	0.00	0.00	0.01	
721	SLS CO16		22.62	38.40	-145.80	0.00	0.00	0.20	
747	SLS CO16		-0.75	0.15	-273.27	-0.57	14.06	0.02	
749	SLS CO16		-0.29	12.83	-210.05	0.00	0.00	0.45	
750	SLS CO16		0.20	-22.74	-159.32	0.00	0.00	-0.25	
751	SLS CO16		6.03	-0.04	-98.72	0.00	0.00	0.00	

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	SLS CO16		2.34	-0.02	-140.05	0.00	0.00	0.00	
753	SLS CO16		-4.52	-1.61	-213.51	0.00	0.00	-0.03	
754	SLS CO16		24.71	-0.55	-153.34	0.00	0.00	0.01	
772	SLS CO16		30.71	1.85	-389.59	-7.97	60.06	-0.14	
779	SLS CO16		3.61	-29.19	-76.95	0.00	0.00	0.30	
783	SLS CO16		31.88	-0.15	-105.38	0.00	0.00	0.05	
785	SLS CO16		-63.15	15.59	-214.71	0.00	0.00	-2.43	
799	SLS CO16		53.10	-1.28	-310.12	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	SLS CO16	P_x	117.36	-1.98	-500.55	-10.52	26.94	0.37	
322			-101.26	11.70	-183.73	0.00	0.00	-3.07	
135		P_y	3.79	72.40	-205.65	0.00	0.00	1.18	
548			-38.17	-65.77	-163.57	0.00	0.00	1.12	
138		P_z	38.73	-36.77	-55.59	0.00	0.00	0.24	
377			1.16	-22.31	-561.11	-17.60	-0.05	-0.85	
343		M_x	99.80	-9.45	-215.05	13.36	-9.99	1.83	
57			46.52	62.38	-248.32	-45.33	6.03	0.10	
772		M_y	30.71	1.85	-389.59	-7.97	60.06	-0.14	
419			-64.06	7.85	-230.92	-1.68	-30.57	0.38	
417		M_z	-32.52	-6.19	-65.30	-3.14	-10.23	5.12	
71			-5.35	36.47	-296.40	-2.23	-26.05	-5.85	
	Sum of loads and sum of support forces								
	SLS CO16		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-43548.80	Loads			
Σ			551.64	52.38	-19752.50	Support Forces			
20	SLS CO17		-57.93	-2.38	-486.23	-7.32	18.50	1.90	
25	SLS CO17		-3.78	-3.88	-420.62	5.48	-19.87	-1.95	
32	SLS CO17		-21.14	-5.16	-347.74	5.80	-9.38	-0.46	
39	SLS CO17		120.01	-2.25	-510.98	-10.67	27.46	0.37	
45	SLS CO17		-2.83	-0.43	-337.51	-2.22	11.08	0.16	
51	SLS CO17		19.84	61.35	-264.73	-43.58	2.60	-0.07	
54	SLS CO17		34.39	61.92	-255.62	-44.84	4.51	-0.07	
57	SLS CO17		45.92	62.55	-254.37	-45.60	5.94	0.09	
60	SLS CO17		48.81	63.25	-276.11	-42.07	6.28	-1.17	
71	SLS CO17		-3.47	39.30	-306.20	-2.44	-26.62	-5.80	
72	SLS CO17		18.29	-0.97	-291.42	0.10	-8.10	0.07	
74	SLS CO17		10.33	-11.33	-178.79	0.00	0.00	0.01	
99	SLS CO17		-15.97	-29.03	-178.58	0.00	0.00	-3.09	
100	SLS CO17		70.71	-31.28	-207.39	0.00	0.00	-0.44	
101	SLS CO17		73.76	21.75	-162.28	0.00	0.00	0.63	
135	SLS CO17		3.26	74.69	-211.99	0.00	0.00	1.15	
138	SLS CO17		38.41	-36.67	-54.61	0.00	0.00	0.25	
139	SLS CO17		-16.41	-15.99	-159.97	0.00	0.00	-2.14	
286	SLS CO17		-0.65	1.58	-339.40	-1.14	-0.15	0.01	
322	SLS CO17		-103.46	11.97	-187.23	0.00	0.00	-3.14	
340	SLS CO17		-77.70	0.90	-192.40	-1.45	7.55	0.22	
341	SLS CO17		119.38	0.94	-229.50	-1.46	-7.33	-0.23	
342	SLS CO17		-93.41	-9.40	-229.13	14.73	11.25	-2.04	
343	SLS CO17		107.15	-10.59	-231.82	15.06	-10.81	2.06	
365	SLS CO17		-37.19	24.98	-450.03	0.00	0.00	0.58	
370	SLS CO17		105.89	55.48	-555.17	-20.24	0.00	0.02	
372	SLS CO17		-0.02	5.91	-528.86	-1.31	0.41	0.03	
377	SLS CO17		1.18	-21.32	-587.74	-17.93	-0.08	-0.87	
415	SLS CO17		-89.19	58.80	-326.67	1.21	-5.54	-3.85	
417	SLS CO17		-31.83	-6.64	-66.42	-3.15	-10.27	5.12	
419	SLS CO17		-64.09	7.42	-237.30	-1.69	-30.62	0.38	
422	SLS CO17		-1.61	10.61	-183.44	-1.71	0.44	-1.21	
424	SLS CO17		-62.20	7.84	-288.43	-1.15	-26.80	-0.78	
443	SLS CO17		19.95	-20.11	-233.17	-6.70	-3.58	3.80	
445	SLS CO17		-6.42	-34.24	-213.80	-6.77	6.23	2.84	
465	SLS CO17		-1.66	-5.10	-524.15	6.67	-1.92	0.08	
468	SLS CO17		0.55	-6.13	-568.62	7.85	1.16	0.06	
542	SLS CO17		-31.52	-49.18	-194.43	0.00	0.00	0.35	
547	SLS CO17		20.24	21.62	-94.10	0.00	0.00	0.14	
548	SLS CO17		-37.93	-65.82	-163.36	0.00	0.00	1.11	
589	SLS CO17		0.76	-2.43	-177.96	8.03	2.31	-0.13	
593	SLS CO17		14.18	50.91	-242.80	-30.31	1.44	-3.91	
607	SLS CO17		-0.89	-1.98	-167.04	6.27	-3.00	-0.16	
687	SLS CO17		-22.70	-28.97	-158.75	0.00	0.00	-1.06	
688	SLS CO17		-5.80	-26.57	-156.83	0.00	0.00	4.83	
689	SLS CO17		-7.68	-41.13	-184.15	0.00	0.00	1.34	
690	SLS CO17		-6.82	-41.72	-188.17	0.00	0.00	-0.05	
691	SLS CO17		-21.29	-31.69	-177.21	0.00	0.00	-2.95	
692	SLS CO17		1.36	-17.22	-216.42	0.00	0.00	-0.54	
693	SLS CO17		24.17	-26.79	-230.45	0.00	0.00	1.14	

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	SLS CO17		9.13	-34.63	-224.28	0.00	0.00	0.06	
695	SLS CO17		10.41	-34.50	-232.83	0.00	0.00	0.07	
696	SLS CO17		11.32	-34.76	-235.90	0.00	0.00	-0.02	
697	SLS CO17		1.79	-34.94	-244.58	0.00	0.00	0.09	
698	SLS CO17		-0.40	-32.92	-248.84	0.00	0.00	-0.08	
699	SLS CO17		-4.92	-36.41	-222.19	0.00	0.00	2.08	
700	SLS CO17		7.67	-29.91	-175.13	0.00	0.00	2.44	
703	SLS CO17		34.38	-14.15	-317.25	0.00	0.00	0.92	
704	SLS CO17		30.85	16.39	-328.90	0.00	0.00	-1.87	
705	SLS CO17		32.28	0.84	-352.34	0.00	0.00	0.97	
706	SLS CO17		34.83	7.74	-324.78	0.00	0.00	-0.05	
709	SLS CO17		27.12	24.76	-277.65	0.00	0.00	-2.26	
710	SLS CO17		26.62	28.86	-266.27	0.00	0.00	1.54	
711	SLS CO17		51.97	29.25	-298.36	0.00	0.00	-1.53	
717	SLS CO17		13.40	33.24	-143.57	0.00	0.00	0.24	
718	SLS CO17		19.19	32.17	-140.13	0.00	0.00	0.01	
719	SLS CO17		28.59	32.20	-137.06	0.00	0.00	-0.01	
720	SLS CO17		33.96	32.27	-141.29	0.00	0.00	0.01	
721	SLS CO17		21.68	38.38	-152.60	0.00	0.00	0.21	
747	SLS CO17		-2.38	0.16	-282.74	-0.59	14.67	0.03	
749	SLS CO17		-0.28	13.81	-212.63	0.00	0.00	0.44	
750	SLS CO17		0.24	-24.13	-164.96	0.00	0.00	-0.28	
751	SLS CO17		6.60	-0.05	-103.25	0.00	0.00	0.00	
752	SLS CO17		2.20	-0.02	-144.30	0.00	0.00	0.00	
753	SLS CO17		-4.62	-1.63	-218.62	0.00	0.00	-0.03	
754	SLS CO17		25.48	-0.55	-158.24	0.00	0.00	0.01	
772	SLS CO17		35.20	1.77	-421.30	-8.13	67.75	-0.15	
779	SLS CO17		3.64	-29.26	-76.91	0.00	0.00	0.33	
783	SLS CO17		32.86	-0.17	-110.07	0.00	0.00	0.06	
785	SLS CO17		-66.32	15.92	-219.62	0.00	0.00	-2.52	
799	SLS CO17		54.48	-1.31	-317.01	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	SLS CO17	P_x	120.01	-2.25	-510.98	-10.67	27.46	0.37	
322			-103.46	11.97	-187.23	0.00	0.00	-3.14	
135		P_y	3.26	74.69	-211.99	0.00	0.00	1.15	
548			-37.93	-65.82	-163.36	0.00	0.00	1.11	
138		P_z	38.41	-36.67	-54.61	0.00	0.00	0.25	
377			1.18	-21.32	-587.74	-17.93	-0.08	-0.87	
343		M_x	107.15	-10.59	-231.82	15.06	-10.81	2.06	
57			45.92	62.55	-254.37	-45.60	5.94	0.09	
772		M_y	35.20	1.77	-421.30	-8.13	67.75	-0.15	
419			-64.09	7.42	-237.30	-1.69	-30.62	0.38	
417		M_z	-31.83	-6.64	-66.42	-3.15	-10.27	5.12	
71			-3.47	39.30	-306.20	-2.44	-26.62	-5.80	
	Sum of loads and sum of support forces								
	SLS CO17		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-44222.30	Loads			
Σ			549.94	55.79	-20323.70	Support Forces			
20	SLS CO18		-58.39	-2.40	-491.50	-7.39	18.66	1.91	
25	SLS CO18		-3.81	-3.87	-433.24	5.46	-20.03	-1.96	
32	SLS CO18		-21.79	-5.19	-354.08	5.82	-9.42	-0.46	
39	SLS CO18		121.87	-2.11	-519.09	-10.85	27.71	0.37	
45	SLS CO18		-2.72	-0.41	-348.35	-2.27	11.04	0.16	
51	SLS CO18		20.56	61.44	-272.08	-43.23	2.70	-0.05	
54	SLS CO18		34.30	61.93	-262.98	-44.27	4.50	-0.07	
57	SLS CO18		45.28	62.68	-261.50	-45.31	5.85	0.06	
60	SLS CO18		47.70	63.76	-285.68	-42.52	6.14	-1.20	
71	SLS CO18		-3.37	39.49	-307.65	-2.43	-26.64	-5.80	
72	SLS CO18		18.39	-1.27	-305.37	0.53	-8.12	0.08	
74	SLS CO18		10.47	-11.45	-180.50	0.00	0.00	0.01	
99	SLS CO18		-16.11	-29.06	-180.26	0.00	0.00	-3.08	
100	SLS CO18		71.25	-31.49	-209.00	0.00	0.00	-0.44	
101	SLS CO18		74.55	21.87	-163.94	0.00	0.00	0.64	
135	SLS CO18		3.15	75.27	-213.55	0.00	0.00	1.15	
138	SLS CO18		38.54	-36.64	-54.64	0.00	0.00	0.25	
139	SLS CO18		-16.71	-16.00	-161.87	0.00	0.00	-2.14	
286	SLS CO18		-0.64	1.89	-342.09	-1.18	-0.15	0.02	
322	SLS CO18		-104.52	12.06	-189.04	0.00	0.00	-3.17	
340	SLS CO18		-77.69	0.90	-192.37	-1.45	7.55	0.22	
341	SLS CO18		119.38	0.94	-229.52	-1.46	-7.33	-0.23	
342	SLS CO18		-93.40	-9.40	-229.09	14.73	11.25	-2.04	
343	SLS CO18		107.15	-10.59	-231.87	15.06	-10.81	2.06	
365	SLS CO18		-37.82	25.15	-453.83	0.00	0.00	0.58	
370	SLS CO18		106.41	55.46	-558.53	-20.31	-0.02	0.02	
372	SLS CO18		-0.05	5.84	-534.15	-1.32	0.37	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
377	SLS CO18		1.17	-21.79	-593.11	-18.11	-0.11	-0.88	
415	SLS CO18		-89.47	58.99	-327.23	1.21	-5.56	-3.85	
417	SLS CO18		-31.90	-6.96	-67.51	-3.14	-10.32	5.13	
419	SLS CO18		-64.25	7.13	-238.92	-1.67	-30.76	0.39	
422	SLS CO18		-1.55	10.69	-184.24	-1.72	0.46	-1.22	
424	SLS CO18		-62.37	7.74	-290.45	-1.13	-26.94	-0.79	
443	SLS CO18		21.65	-20.30	-237.12	-6.76	-3.42	3.79	
445	SLS CO18		-7.38	-34.83	-215.73	-6.73	6.13	2.84	
465	SLS CO18		-1.66	-5.10	-526.92	6.67	-1.92	0.08	
468	SLS CO18		0.55	-6.13	-569.89	7.84	1.16	0.06	
542	SLS CO18		-31.74	-49.46	-195.25	0.00	0.00	0.35	
547	SLS CO18		20.50	21.88	-94.83	0.00	0.00	0.14	
548	SLS CO18		-37.94	-66.06	-163.92	0.00	0.00	1.11	
589	SLS CO18		0.79	-2.49	-182.92	8.20	2.39	-0.13	
593	SLS CO18		15.56	51.16	-250.11	-30.46	1.60	-3.89	
607	SLS CO18		-0.91	-2.02	-171.35	6.42	-3.09	-0.16	
687	SLS CO18		-22.70	-28.95	-159.76	0.00	0.00	-1.06	
688	SLS CO18		-5.62	-26.57	-158.08	0.00	0.00	4.82	
689	SLS CO18		-7.65	-41.13	-185.83	0.00	0.00	1.34	
690	SLS CO18		-6.88	-41.72	-189.91	0.00	0.00	-0.05	
691	SLS CO18		-21.51	-31.70	-178.80	0.00	0.00	-2.95	
692	SLS CO18		1.32	-17.23	-218.31	0.00	0.00	-0.54	
693	SLS CO18		24.06	-26.73	-231.02	0.00	0.00	1.14	
694	SLS CO18		8.93	-34.64	-224.47	0.00	0.00	0.06	
695	SLS CO18		10.28	-34.50	-232.84	0.00	0.00	0.07	
696	SLS CO18		11.26	-34.77	-235.91	0.00	0.00	-0.02	
697	SLS CO18		1.87	-34.95	-244.86	0.00	0.00	0.10	
698	SLS CO18		-0.24	-32.95	-249.83	0.00	0.00	-0.08	
699	SLS CO18		-4.83	-36.42	-223.76	0.00	0.00	2.08	
700	SLS CO18		7.66	-29.92	-176.97	0.00	0.00	2.43	
703	SLS CO18		34.38	-14.26	-319.41	0.00	0.00	0.91	
704	SLS CO18		30.84	16.61	-331.17	0.00	0.00	-1.87	
705	SLS CO18		32.28	0.56	-354.86	0.00	0.00	0.97	
706	SLS CO18		34.84	7.55	-326.73	0.00	0.00	-0.05	
709	SLS CO18		27.12	24.63	-278.92	0.00	0.00	-2.26	
710	SLS CO18		26.50	28.86	-267.59	0.00	0.00	1.54	
711	SLS CO18		52.10	29.25	-300.16	0.00	0.00	-1.53	
717	SLS CO18		14.09	33.32	-146.90	0.00	0.00	0.24	
718	SLS CO18		19.48	32.27	-143.35	0.00	0.00	0.01	
719	SLS CO18		28.21	32.30	-140.12	0.00	0.00	-0.01	
720	SLS CO18		33.54	32.35	-145.07	0.00	0.00	0.02	
721	SLS CO18		20.16	38.43	-155.29	0.00	0.00	0.22	
747	SLS CO18		-2.55	0.16	-285.21	-0.60	14.83	0.03	
749	SLS CO18		-0.28	14.03	-214.90	0.00	0.00	0.44	
750	SLS CO18		0.24	-24.04	-165.82	0.00	0.00	-0.28	
751	SLS CO18		6.64	-0.07	-103.41	0.00	0.00	0.00	
752	SLS CO18		2.34	-0.03	-144.75	0.00	0.00	-0.01	
753	SLS CO18		-5.23	-1.64	-223.17	0.00	0.00	-0.03	
754	SLS CO18		25.73	-0.55	-159.64	0.00	0.00	0.01	
772	SLS CO18		35.22	1.77	-421.30	-8.13	67.84	-0.15	
779	SLS CO18		3.64	-29.46	-77.17	0.00	0.00	0.33	
783	SLS CO18		33.00	-0.17	-110.40	0.00	0.00	0.06	
785	SLS CO18		-66.48	16.21	-220.42	0.00	0.00	-2.54	
799	SLS CO18		55.11	-1.32	-322.93	0.00	0.00	0.11	
	Total max/min values with corresponding values								
39	SLS CO18	P_x	121.87	-2.11	-519.09	-10.85	27.71	0.37	
322			-104.52	12.06	-189.04	0.00	0.00	-3.17	
135		P_y	3.15	75.27	-213.55	0.00	0.00	1.15	
548			-37.94	-66.06	-163.92	0.00	0.00	1.11	
138		P_z	38.54	-36.64	-54.64	0.00	0.00	0.25	
377			1.17	-21.79	-593.11	-18.11	-0.11	-0.88	
343		M_x	107.15	-10.59	-231.87	15.06	-10.81	2.06	
57			45.28	62.68	-261.50	-45.31	5.85	0.06	
772		M_y	35.22	1.77	-421.30	-8.13	67.84	-0.15	
419			-64.25	7.13	-238.92	-1.67	-30.76	0.39	
417		M_z	-31.90	-6.96	-67.51	-3.14	-10.32	5.13	
71			-3.37	39.49	-307.65	-2.43	-26.64	-5.80	
	Sum of loads and sum of support forces								
	SLS CO18		P_X [kN]	P_Y [kN]	P_Z [kN]				
Σ			536.39	37.20	-44443.00	Loads			
Σ			549.89	55.85	-20544.30	Support Forces			
20	SLS CO19		-56.13	-2.69	-476.26	-7.17	18.13	1.82	
25	SLS CO19		-3.50	-3.86	-421.50	5.46	-19.34	-1.96	
32	SLS CO19		-21.31	-5.15	-345.59	5.80	-9.12	-0.46	
39	SLS CO19		119.22	-1.83	-508.66	-10.70	27.19	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
45	SLS CO19		-2.55	-0.46	-340.33	-2.14	10.68	0.16	
51	SLS CO19		21.35	61.43	-266.04	-43.33	2.77	-0.06	
54	SLS CO19		34.67	61.88	-256.97	-44.29	4.55	-0.06	
57	SLS CO19		45.88	62.51	-255.46	-45.04	5.94	0.07	
60	SLS CO19		47.40	63.57	-275.97	-42.18	6.15	-1.21	
71	SLS CO19		-5.26	36.67	-297.86	-2.23	-26.08	-5.85	
72	SLS CO19		18.05	-1.21	-296.10	0.48	-8.06	0.08	
74	SLS CO19		10.37	-11.82	-177.59	0.00	0.00	0.01	
99	SLS CO19		-15.92	-29.05	-179.87	0.00	0.00	-3.09	
100	SLS CO19		69.18	-30.60	-202.34	0.00	0.00	-0.43	
101	SLS CO19		73.31	21.16	-160.57	0.00	0.00	0.66	
135	SLS CO19		3.68	72.98	-207.22	0.00	0.00	1.17	
138	SLS CO19		38.85	-36.75	-55.62	0.00	0.00	0.24	
139	SLS CO19		-16.78	-15.83	-162.07	0.00	0.00	-2.14	
286	SLS CO19		-0.66	2.42	-332.82	-1.22	-0.21	0.03	
322	SLS CO19		-102.32	11.79	-185.54	0.00	0.00	-3.11	
340	SLS CO19		-73.75	0.75	-183.04	-1.30	7.18	0.20	
341	SLS CO19		113.59	0.94	-218.03	-1.36	-6.96	-0.21	
342	SLS CO19		-85.45	-8.30	-210.70	13.04	10.39	-1.81	
343	SLS CO19		99.80	-9.45	-215.10	13.36	-9.99	1.83	
365	SLS CO19		-35.02	24.38	-442.74	0.00	0.00	0.56	
370	SLS CO19		104.92	54.96	-540.36	-19.45	0.28	0.03	
372	SLS CO19		-0.03	5.44	-506.84	-1.26	0.39	0.03	
377	SLS CO19		1.16	-22.78	-566.49	-17.78	-0.07	-0.86	
415	SLS CO19		-88.16	56.62	-313.96	1.20	-5.69	-3.85	
417	SLS CO19		-32.59	-6.51	-66.38	-3.14	-10.27	5.13	
419	SLS CO19		-64.21	7.56	-232.53	-1.66	-30.71	0.39	
422	SLS CO19		-1.78	9.38	-180.79	-1.58	0.26	-1.25	
424	SLS CO19		-62.46	7.36	-279.03	-1.07	-27.06	-0.74	
443	SLS CO19		20.38	-19.96	-234.08	-6.52	-3.52	3.79	
445	SLS CO19		-4.86	-32.49	-208.50	-6.80	6.33	2.83	
465	SLS CO19		-1.49	-4.62	-503.15	6.02	-1.68	0.08	
468	SLS CO19		0.54	-5.53	-542.23	7.02	1.13	0.06	
542	SLS CO19		-30.56	-48.55	-192.55	0.00	0.00	0.35	
547	SLS CO19		20.51	21.97	-94.94	0.00	0.00	0.14	
548	SLS CO19		-38.17	-66.01	-164.14	0.00	0.00	1.12	
589	SLS CO19		0.79	-2.49	-182.94	8.22	2.40	-0.13	
593	SLS CO19		14.54	51.06	-242.42	-30.32	1.52	-3.90	
607	SLS CO19		-0.91	-2.03	-171.25	6.44	-3.08	-0.16	
687	SLS CO19		-22.71	-28.81	-159.86	0.00	0.00	-1.06	
688	SLS CO19		-5.66	-26.57	-158.10	0.00	0.00	4.83	
689	SLS CO19		-7.67	-41.13	-185.84	0.00	0.00	1.34	
690	SLS CO19		-6.93	-41.72	-189.85	0.00	0.00	-0.05	
691	SLS CO19		-21.62	-31.70	-178.59	0.00	0.00	-2.95	
692	SLS CO19		1.19	-17.22	-215.93	0.00	0.00	-0.57	
693	SLS CO19		23.38	-26.73	-226.73	0.00	0.00	1.14	
694	SLS CO19		8.38	-34.58	-219.57	0.00	0.00	0.08	
695	SLS CO19		9.88	-34.49	-227.00	0.00	0.00	0.07	
696	SLS CO19		10.99	-34.75	-229.83	0.00	0.00	-0.02	
697	SLS CO19		2.11	-34.92	-238.99	0.00	0.00	0.10	
698	SLS CO19		0.33	-32.91	-245.33	0.00	0.00	-0.08	
699	SLS CO19		-4.20	-36.42	-221.73	0.00	0.00	2.08	
700	SLS CO19		7.61	-29.91	-176.97	0.00	0.00	2.43	
703	SLS CO19		34.55	-14.12	-311.31	0.00	0.00	0.93	
704	SLS CO19		30.90	16.18	-323.13	0.00	0.00	-1.91	
705	SLS CO19		32.26	0.28	-346.12	0.00	0.00	0.98	
706	SLS CO19		34.84	7.95	-318.99	0.00	0.00	-0.05	
709	SLS CO19		27.14	25.24	-274.27	0.00	0.00	-2.26	
710	SLS CO19		28.08	28.86	-262.37	0.00	0.00	1.54	
711	SLS CO19		52.82	29.26	-292.18	0.00	0.00	-1.52	
717	SLS CO19		14.44	33.30	-142.31	0.00	0.00	0.24	
718	SLS CO19		19.64	32.26	-140.46	0.00	0.00	0.01	
719	SLS CO19		28.65	32.29	-136.91	0.00	0.00	-0.01	
720	SLS CO19		33.62	32.35	-141.21	0.00	0.00	0.01	
721	SLS CO19		21.09	38.44	-148.49	0.00	0.00	0.22	
747	SLS CO19		-0.92	0.15	-275.75	-0.57	14.21	0.02	
749	SLS CO19		-0.29	13.05	-212.32	0.00	0.00	0.45	
750	SLS CO19		0.20	-22.65	-160.18	0.00	0.00	-0.25	
751	SLS CO19		6.07	-0.06	-98.88	0.00	0.00	0.00	
752	SLS CO19		2.47	-0.03	-140.51	0.00	0.00	-0.01	
753	SLS CO19		-5.13	-1.62	-218.06	0.00	0.00	-0.03	
754	SLS CO19		24.96	-0.55	-154.74	0.00	0.00	0.01	
772	SLS CO19		30.73	1.85	-389.58	-7.96	60.15	-0.14	
779	SLS CO19		3.61	-29.39	-77.21	0.00	0.00	0.30	
783	SLS CO19		32.02	-0.15	-105.70	0.00	0.00	0.05	
785	SLS CO19		-63.31	15.89	-215.51	0.00	0.00	-2.45	
799	SLS CO19		53.73	-1.29	-316.03	0.00	0.00	0.11	

4.2 NODES - SUPPORT FORCES

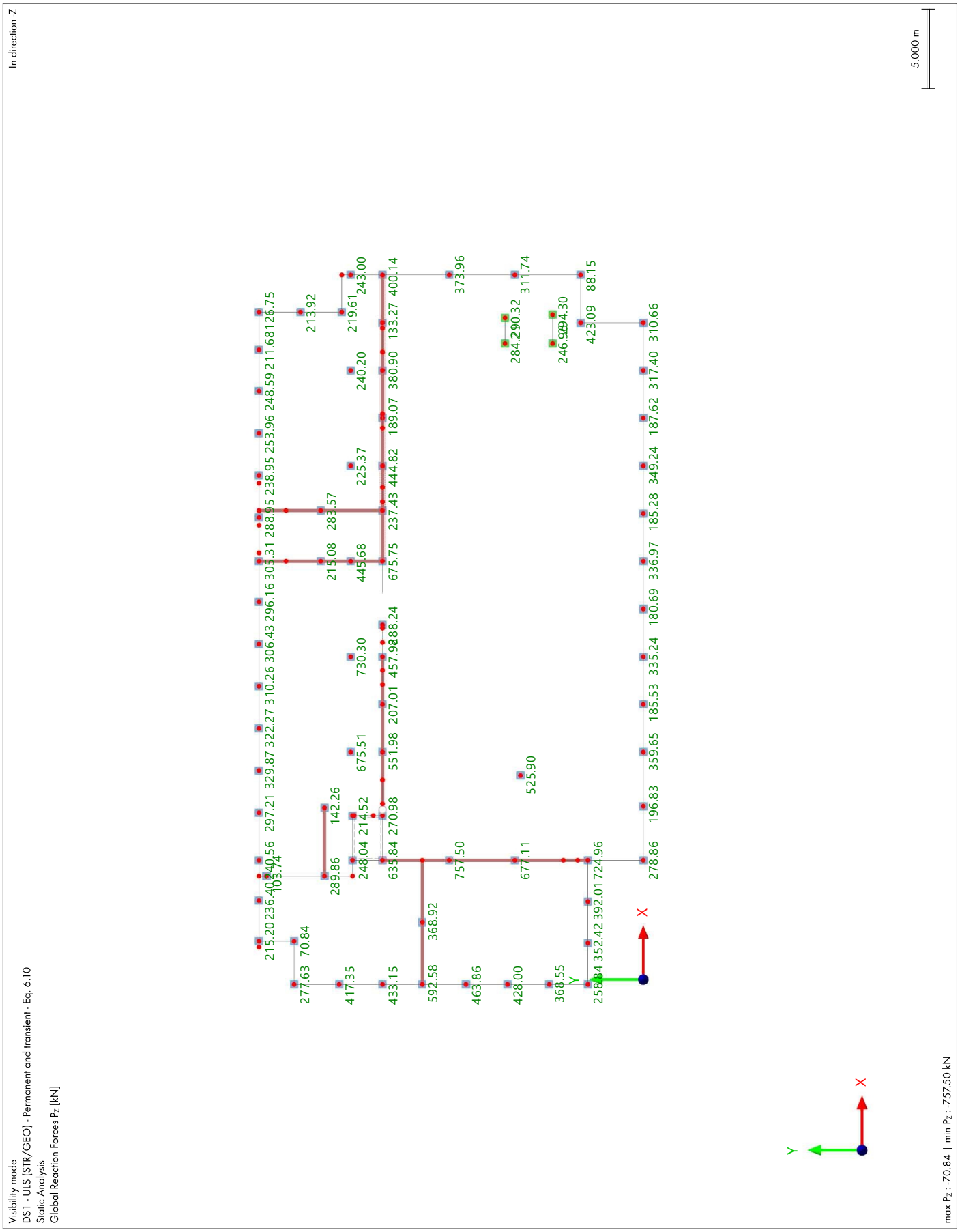
Static Analysis

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
	Total max/min values with corresponding values								
39	SQ0 CO19	P_x	119.22	-1.83	-508.66	-10.70	27.19	0.37	
322			-102.32	11.79	-185.54	0.00	0.00	-3.11	
135		P_y	3.68	72.98	-207.22	0.00	0.00	1.17	
548			-38.17	-66.01	-164.14	0.00	0.00	1.12	
138		P_z	38.85	-36.75	-55.62	0.00	0.00	0.24	
377			1.16	-22.78	-566.49	-17.78	-0.07	-0.86	
343		M_x	99.80	-9.45	-215.10	13.36	-9.99	1.83	
57			45.88	62.51	-255.46	-45.04	5.94	0.07	
772		M_y	30.73	1.85	-389.58	-7.96	60.15	-0.14	
419			-64.21	7.56	-232.53	-1.66	-30.71	0.39	
417		M_z	-32.59	-6.51	-66.38	-3.14	-10.27	5.13	
71			-5.26	36.67	-297.86	-2.23	-26.08	-5.85	

	Sum of loads and sum of support forces					
	SQ0 CO19		P_X [kN]	P_Y [kN]	P_Z [kN]	
Σ			536.39	37.20	-43769.40	Loads
Σ			551.58	52.44	-19973.10	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, 74,76-83,94,100	2, 43,52-57,66-69,73, 74,76-83,94,100			
	Nodes	☐					

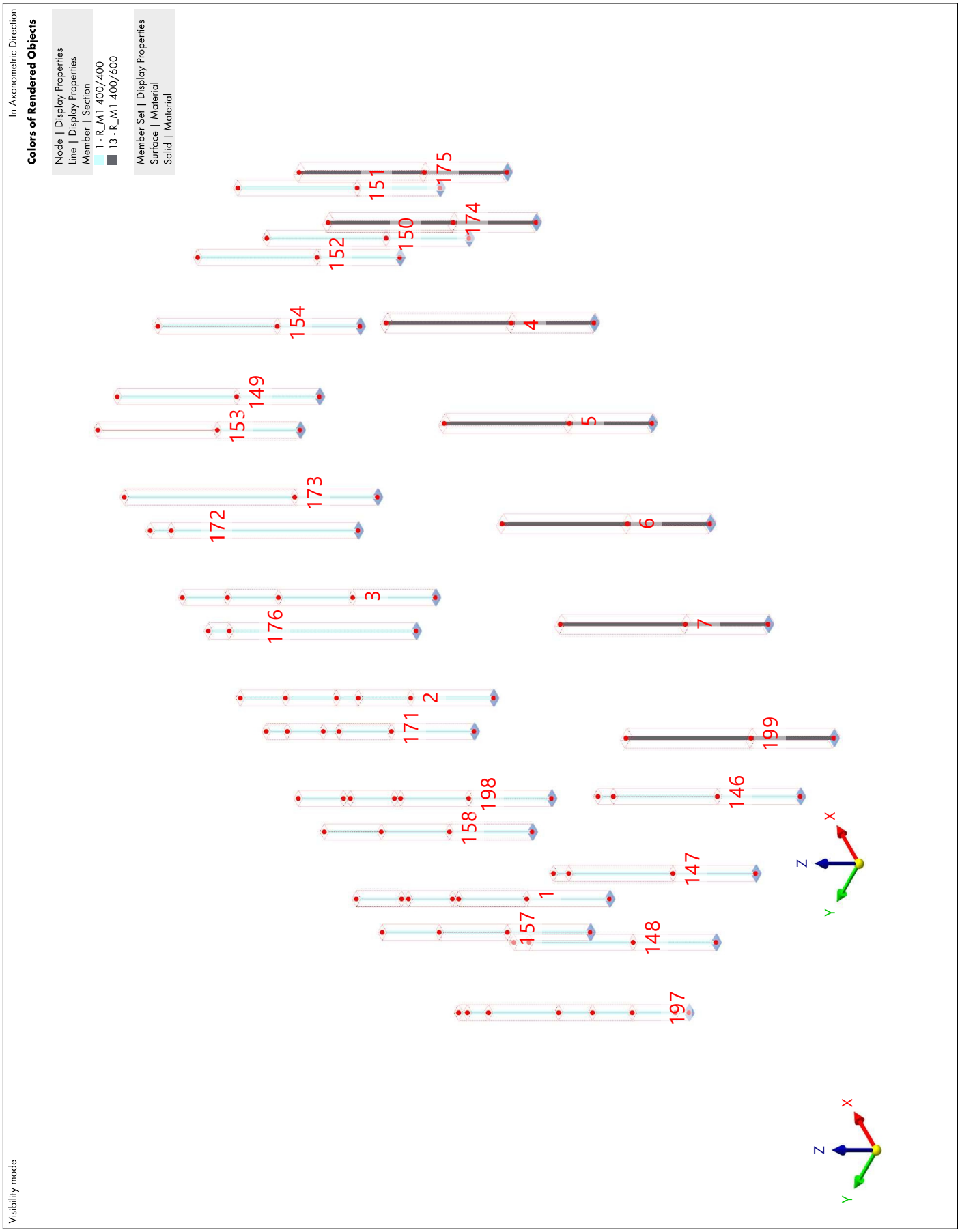
5.2 DESIGN SITUATIONS

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	25	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.39	3.93	18578961
1	25	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.39	3.93	
	25	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.39	3.93	
	29	0.320	CO1	DS1	1.60	1.60	3.20	0.84	2.02	2.02	4.04	3.93	0.35	3.93	
	29	0.320	CO1	DS1	1.60	1.60	3.20	0.84	2.02	2.02	4.04	3.93	0.35	3.93	
	29	0.320	CO1	DS1	1.60	1.60	3.20	0.84	2.02	2.02	4.04	3.93	0.35	3.93	
	29	0.320	CO1	DS1	1.60	1.60	3.20	0.84	2.02	2.02	4.04	3.93	0.35	3.93	
	25	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.39	3.93	
		0.912	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.03	3.93	
	25	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.39	3.93	
Total					1.60	1.60	3.20	0.84	2.02	2.02	4.04	3.93	1.03	3.93	
Extremes	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	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	0.06	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
	39	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.06	3.93	
		0.678	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.66	3.93	
	39	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	0.66	3.93	
Extremes	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	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	0.01	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
		1.052	CO2	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.23	3.93	
	45	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.23	3.93	
Extremes	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	18404635
4	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	52	0.000	CO5	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	51	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
Total					2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
Extremes	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	18404611
5	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
	55	0.000	CO5	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.13	5.89	
	54	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.00	5.89	
Total					2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.13	5.89	
Extremes	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	18404587
6	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
	58	0.000	CO5	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.16	5.89	
	57	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.01	5.89	
Total					2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.16	5.89	
Extremes	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	18404563
7	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	
	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	
	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	
	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	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	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	18404563
	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	
	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	
	60	0.000	CO4	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.10	5.89	
	60	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.08	5.89	
Total					2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.10	5.89	
Extremes	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	6761492
146	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	1	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	3.390		CO4	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.23	3.93	
	1	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	0.23	3.93	
Extremes	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	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	0.00	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	372	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	375	0.000	CO4	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	372	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	0.01	3.93	
Extremes	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	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	0.01	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	380	0.000	CO4	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	712	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
Extremes	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	6761582
149	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
	71	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.78	3.93	
Extremes	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	6761590
150	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
	415	0.000	CO2	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.34	5.89	
	415	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.33	5.89	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	5.89	0.34	5.89	
Extremes	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	6761598
151	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	
	417	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	

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	1.60	3.20	0.00	1.60	1.60	3.20	7.85	0.55	7.85	6761598
Extremes	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	6761606
152	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
	419	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.04	3.93	
		3.329	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.07	3.93	
	419	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	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	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	0.09	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	422	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
		1.902	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.47	3.93	
	422	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	0.47	3.93	
Extremes	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	6761622
154	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
		1.902	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
	424	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.08	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.15	3.93	
Extremes	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	6761817
157	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	241	2.950	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	465	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
Extremes	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	6761825
158	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	471	0.000	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	468	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
Extremes	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	6762161
171	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	238	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.16	3.93	
	462	0.810	CO4	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.33	3.93	
	238	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	0.33	3.93	
Extremes	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	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	0.02	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	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	0.02	3.93	6762177
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
		8.211	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.03	3.93	
	589	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.03	3.93	
Extremes	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	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	0.01	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
	592	4.280	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	72	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.01	3.93	
Total					1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
Extremes	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	6762289
174	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
	593	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
Total					2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.39	5.89	
Extremes	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	6762297
175	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
	443	0.000	CO5	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.44	5.89	
	443	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.42	5.89	
Total					2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.44	5.89	
Extremes	272	1.090	CO2	DS1	2.31	0.00	2.31	0.00	2.31	0.00	2.31	6.04	7.85	7.85	6762177
176	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	272	1.090	CO2	DS1	2.31	0.00	2.31	0.00	2.31	0.00	2.31	6.04	7.85	7.85	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	607	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.02	3.93	
	679	0.000	CO2	DS1	2.30	0.00	2.30	0.00	2.30	0.00	2.30	6.06	7.85	7.85	
	679	0.000	CO2	DS1	2.30	0.00	2.30	0.00	2.30	0.00	2.30	6.06	7.85	7.85	
	679	0.000	CO2	DS1	2.30	0.00	2.30	0.00	2.30	0.00	2.30	6.06	7.85	7.85	
Total					2.31	1.60	3.20	0.00	2.31	1.60	3.20	6.06	7.85	7.85	
Extremes	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
197	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	20	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.00	3.93	
	24	1.090	CO3	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	1.16	3.93	
	20	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	1.16	3.93	
Extremes	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
198	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	
	32	0.000	CO1	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.09	3.93	

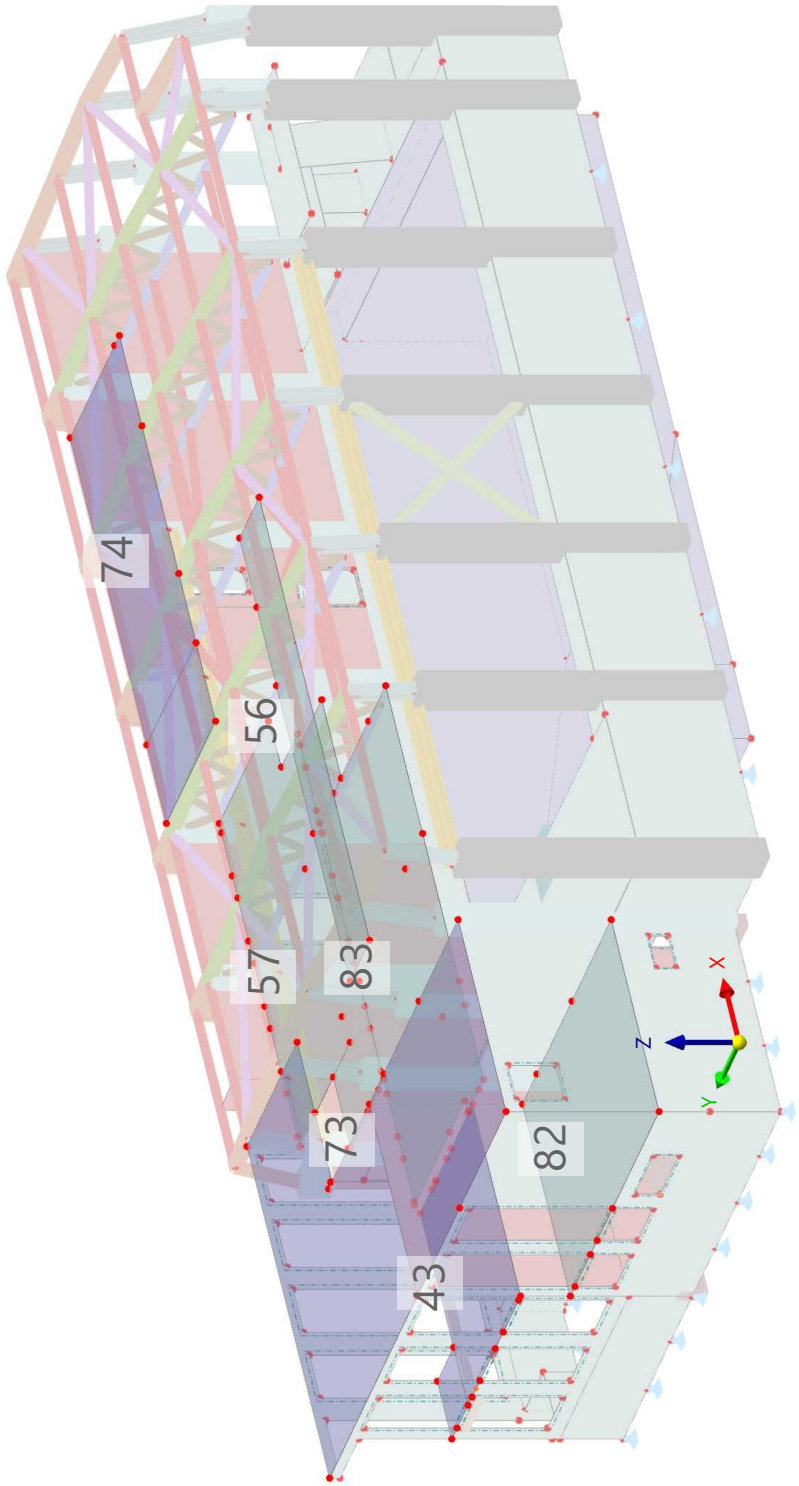
5.3.1.2 **REQUIRED REINFORCEMENT BY MEMBER SET** **Concrete Design**

Member Set No.	Node No.	Location x [m]	Loading No.	Design Situation	Longitudinal Reinforcement Areas [cm²]							Stirrup Areas [cm²/m]			Comment
					$A_{s,req,-z\ (top)}$	$A_{s,req,+z}$	$A_{s,req}$	$A_{s,req,T}$	$A_{s,req,tot,-z}$	$A_{s,req,tot,+z}$	$A_{s,req,tot}$	$a_{sw,V,req}$	$a_{sw,T,req}$	$a_{sw,req,tot}$	
198	37	0.000	CO5	DS1	1.60	1.60	3.20	0.00	1.60	1.60	3.20	3.93	0.43	3.93	
	32	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	0.43	3.93	
Extremes	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
199	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
	445	0.000	CO3	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.33	5.89	
	445	0.000	CO1	DS1	2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.30	5.89	
Total					2.40	2.40	4.80	0.00	2.40	2.40	4.80	5.89	0.33	5.89	

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	606	38.650	14.100	1.300	CO12	DS3	5.39	32.60	0.00	0.00	0.00	
2	606	38.650	14.100	1.300	CO18	DS4	5.38	34.69	0.00	0.00	0.00	
	5816	38.650	13.716	1.300	CO18	DS4	0.00	0.00	15.57	16.41	0.00	
	5363	38.650	2.016	1.300	CO1	DS1	4.03	20.14	8.72	20.14	0.00	
	606	38.650	14.100	1.300	CO4	DS1	4.82	19.64	5.32	5.90	18.09	
Total							5.39	34.69	15.57	20.14	18.09	
Extremes	3156	-0.300	20.910	3.580	CO3	DS1	11.49	2.30	0.00	0.00	18.77	
43	18374	7.500	18.182	3.580	CO2	DS1	0.88	10.18	2.04	10.18	0.00	
	3168	2.542	20.050	3.580	CO2	DS1	0.02	0.11	11.04	2.21	0.00	
	18374	7.500	18.182	3.580	CO2	DS1	0.88	10.18	2.04	10.18	0.00	
	3156	-0.300	20.910	3.580	CO3	DS1	11.49	2.30	0.00	0.00	18.77	
Total							11.49	10.18	11.04	10.18	18.77	
Extremes	3612	23.338	14.100	-2.965	CO17	DS4	18.50	12.11	0.00	0.00	0.00	
52	3616	24.273	14.100	-3.259	CO13	DS3	16.12	12.75	0.00	0.00	0.00	
	4122	23.338	1.840	-2.965	CO1	DS1	12.64	5.62	7.47	1.66	0.00	
	3616	24.273	14.100	-3.259	CO2	DS1	16.50	9.18	1.84	9.18	0.00	
	1740	19.130	1.350	-1.643	CO1	DS1	13.54	4.67	0.01	0.04	5.44	
Total							18.50	12.75	7.47	9.18	5.44	
Extremes	447	15.494	14.100	-0.500	CO2	DS1	2.58	3.79	1.36	1.11	0.00	
53	447	15.494	14.100	-0.500	CO1	DS1	2.45	3.79	1.32	1.04	0.00	
	4231	13.867	9.209	-0.500	CO2	DS1	0.13	0.64	5.02	2.32	0.00	
	450	13.324	14.100	-0.500	CO1	DS1	0.06	0.01	0.76	3.79	0.00	
	450	13.324	14.100	-0.500	CO1	DS1	0.06	0.01	0.76	3.79	0.00	
Total							2.58	3.79	5.02	3.79	0.00	
Extremes	4363	16.324	13.119	-2.230	CO2	DS1	2.69	0.80	1.35	0.27	0.00	
54	4390	16.324	13.610	-1.741	CO2	DS1	2.40	1.36	1.99	0.70	0.00	
	4339	16.324	14.100	-2.720	CO2	DS1	0.05	0.26	5.34	2.00	0.00	
	4339	16.324	14.100	-2.720	CO2	DS1	0.05	0.26	5.34	2.00	0.00	
	106	16.324	1.350	-2.720	CO1	DS1	0.00	0.01	5.12	1.78	0.00	
Total							2.69	1.36	5.34	2.00	0.00	
Extremes	4418	26.175	14.100	-3.700	CO2	DS1	20.87	5.71	20.87	4.17	0.00	
55	5041	38.650	2.821	-3.700	CO3	DS1	3.62	18.12	4.52	18.12	0.00	
	4418	26.175	14.100	-3.700	CO2	DS1	20.87	5.71	20.87	4.17	0.00	
	5067	38.650	2.331	-3.700	CO3	DS1	0.00	0.00	3.99	18.63	0.00	
	4469	38.650	13.610	-3.700	CO2	DS1	0.00	0.00	3.99	0.80	6.39	
Total							20.87	18.12	20.87	18.63	6.39	
Extremes	29	14.300	16.400	5.670	CO17	DS4	10.97	0.00	0.00	0.00	0.00	
56	36	20.300	16.400	5.670	CO18	DS4	9.89	19.39	0.00	0.00	0.00	
	29	14.300	16.400	5.670	CO4	DS1	10.26	2.05	10.26	2.05	0.00	
	29	14.300	16.400	5.670	CO4	DS1	10.26	2.05	10.26	2.05	0.00	
	42	26.300	16.400	5.670	CO2	DS1	4.95	14.58	0.00	0.00	17.64	
Total							10.97	19.39	10.26	2.05	17.64	
Extremes	463 / 4806	13.175	20.251	5.350	CO4	DS1	7.46	4.62	7.46	1.49	0.00	
57	462	26.300	18.400	5.350	CO16	DS4	6.14	13.54	0.00	0.00	0.00	
	463 / 4806	13.175	20.251	5.350	CO4	DS1	7.46	4.62	7.46	1.49	0.00	
	18425	14.300	16.400	5.350	CO4	DS1	3.31	10.23	2.35	10.23	0.00	
	18388	13.175	24.170	5.350	CO5	DS1	0.00	0.00	5.39	2.97	12.94	
Total							7.46	13.54	7.46	10.23	12.94	
Extremes	4163 / 6696	13.324	3.748	-0.500	CO2	DS1	4.06	1.33	1.42	0.28	0.00	
66	4161 / 6661	13.324	2.753	-0.500	CO1	DS1	0.99	3.79	0.84	0.17	0.00	
	4160 / 6545	13.324	2.256	-0.500	CO1	DS1	0.80	0.92	4.06	1.37	0.00	
	4159 / 6516	13.324	1.803	-0.500	CO1	DS1	0.59	0.75	1.45	3.79	0.00	
	4159 / 6516	13.324	1.803	-0.500	CO1	DS1	0.59	0.75	1.45	3.79	0.00	
Total							4.06	3.79	4.06	3.79	0.00	
Extremes	16500	39.840	5.787	1.830	CO3	DS1	2.54	0.55	2.96	0.59	0.00	
67	167	39.840	13.862	1.830	CO1	DS1	0.43	2.13	0.00	0.02	0.00	
	153	39.840	8.694	1.830	CO3	DS1	2.37	0.47	3.02	0.60	0.00	
	7927	39.840	1.556	1.711	CO2	DS1	0.05	0.23	0.43	2.13	0.00	
	159	39.840	11.600	1.830	CO1	DS1	2.40	0.79	0.98	0.86	0.00	
Total							2.54	2.13	3.02	2.13	0.00	
Extremes	8194	26.224	1.350	-3.178	CO3	DS1	8.93	2.99	6.27	4.36	0.00	
68	5100	29.169	1.350	-3.700	CO4	DS1	7.39	10.65	3.71	0.74	0.00	
	8059	38.564	1.350	1.556	CO19	DS4	0.00	0.00	19.56	5.31	0.00	
	13051	23.806	1.350	-3.112	CO1	DS1	2.28	0.46	11.71	11.49	0.00	
	5115	36.654	1.350	-3.700	CO3	DS1	3.84	7.12	1.80	0.36	9.75	
Total							8.93	10.65	19.56	11.49	9.75	

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	8751	26.223	14.100	-3.181	CO3	DS1	9.01	3.17	6.22	4.33	0.00	
69	4430	29.169	14.100	-3.700	CO1	DS1	7.39	10.02	3.93	0.79	0.00	
	8626	38.564	14.100	1.556	CO16	DS4	0.00	0.00	19.26	5.85	0.00	
	3614	23.806	14.100	-3.112	CO4	DS1	2.19	0.44	11.82	11.56	0.00	
	4462	37.153	14.100	-3.700	CO2	DS1	3.85	7.12	1.77	0.35	10.06	
Total							9.01	10.02	19.26	11.56	10.06	
Extremes	18477	7.013	3.486	7.210	CO3	DS1	10.26	2.05	10.26	4.14	0.00	
73	18454	7.500	4.508	7.210	CO4	DS1	0.84	10.26	4.38	10.26	0.00	
	18477	7.013	3.486	7.210	CO3	DS1	10.26	2.05	10.26	4.14	0.00	
	18454	7.500	4.508	7.210	CO4	DS1	0.84	10.26	4.38	10.26	0.00	
	18513	7.500	16.871	7.210	CO5	DS1	1.05	5.26	0.44	0.09	7.24	
Total							10.26	10.26	10.26	10.26	7.24	
Extremes	10240	32.358	18.881	7.210	CO2	DS1	10.26	4.14	10.26	2.05	0.00	
74	10016	37.300	18.400	7.210	CO4	DS1	0.75	10.15	2.03	10.15	0.00	
	10240	32.358	18.881	7.210	CO2	DS1	10.26	4.14	10.26	2.05	0.00	
	10016	37.300	18.400	7.210	CO4	DS1	0.75	10.15	2.03	10.15	0.00	
	10015	37.800	18.400	7.210	CO4	DS1	1.58	4.91	0.69	0.14	8.09	
Total							10.26	10.15	10.26	10.15	8.09	
Extremes	606	38.650	14.100	1.300	CO18	DS4	47.83	30.36	0.00	0.00	0.00	
76	606	38.650	14.100	1.300	CO18	DS4	47.83	30.36	0.00	0.00	0.00	
	5816	38.650	13.716	1.300	CO5	DS1	20.07	4.01	9.76	5.61	24.82	
	10366	38.650	2.097	0.982	CO1	DS1	8.51	16.85	1.47	16.85	0.00	
	606	38.650	14.100	1.300	CO2	DS1	34.47	10.50	0.51	2.53	36.22	
Total							47.83	30.36	9.76	16.85	36.22	
Extremes	449	25.676	1.350	-3.700	CO1	DS1	20.71	4.08	20.71	4.14	0.00	
77	449	25.676	1.350	-3.700	CO1	DS1	20.71	4.08	20.71	4.14	0.00	
	4295	16.324	9.687	-3.700	CO5	DS1	0.00	0.00	20.94	4.19	0.00	
	10792	20.262	14.100	-3.700	CO17	DS4	0.00	0.00	6.68	17.18	0.00	
	4295	16.324	9.687	-3.700	CO5	DS1	0.00	0.00	20.94	4.19	0.00	
Total							20.71	4.08	20.94	17.18	0.00	
Extremes	11137	15.824	5.763	-3.700	CO2	DS1	20.94	4.19	20.94	4.19	0.00	
78	11137	15.824	5.763	-3.700	CO2	DS1	20.94	4.19	20.94	4.19	0.00	
	11097	15.824	9.687	-3.700	CO1	DS1	0.00	0.00	20.94	4.19	0.00	
	7960	14.824	1.350	-3.700	CO1	DS1	0.00	0.00	4.18	20.90	0.00	
	4299	16.324	10.667	-3.700	CO2	DS1	0.00	0.00	10.78	2.16	7.17	
Total							20.94	4.19	20.94	20.90	7.17	
Extremes	449	25.676	1.350	-3.700	CO3	DS1	7.84	1.57	9.72	7.99	11.18	
79	46	23.270	1.350	-3.296	CO3	DS1	7.39	20.65	3.12	20.65	0.00	
	449	25.676	1.350	-3.700	CO3	DS1	7.84	1.57	9.72	7.99	11.18	
	46	23.270	1.350	-3.296	CO3	DS1	7.39	20.65	3.12	20.65	0.00	
	14036	24.692	1.350	-3.700	CO3	DS1	7.39	2.62	2.12	0.42	11.47	
Total							7.84	20.65	9.72	20.65	11.47	
Extremes	446	25.676	14.100	-3.700	CO3	DS1	7.91	1.58	9.75	8.09	11.65	
80	11197	23.270	14.100	-3.296	CO3	DS1	7.39	20.66	2.90	20.66	0.00	
	446	25.676	14.100	-3.700	CO3	DS1	7.91	1.58	9.75	8.09	11.65	
	11197	23.270	14.100	-3.296	CO3	DS1	7.39	20.66	2.90	20.66	0.00	
	11026	24.692	14.100	-3.700	CO3	DS1	7.39	2.83	1.78	0.36	11.94	
Total							7.91	20.66	9.75	20.66	11.94	
Extremes	3751	16.324	10.177	-0.761	CO2	DS1	5.14	7.95	1.09	0.22	0.00	
81	3730	16.324	10.667	-0.761	CO2	DS1	5.09	7.96	1.10	0.22	0.00	
	4136	15.494	10.177	-0.500	CO2	DS1	4.06	2.16	2.54	0.51	0.00	
	454	16.324	14.100	-0.761	CO2	DS1	0.76	3.79	1.52	1.66	0.00	
	3751	16.324	10.177	-0.761	CO1	DS1	4.83	7.88	0.91	0.18	0.00	
Total							5.14	7.96	2.54	1.66	0.00	
Extremes	18662	7.013	3.486	1.830	CO2	DS1	10.26	3.86	10.26	4.76	0.00	
82	18693	7.500	4.508	1.830	CO2	DS1	2.88	10.22	3.39	10.22	0.00	
	18662	7.013	3.486	1.830	CO2	DS1	10.26	3.86	10.26	4.76	0.00	
	18693	7.500	4.508	1.830	CO2	DS1	2.88	10.22	3.39	10.22	0.00	
	18684	7.500	12.624	1.830	CO3	DS1	3.33	3.62	3.27	3.47	16.45	
Total							10.26	10.22	10.26	10.22	16.45	
Extremes	18758	26.300	17.900	1.830	CO4	DS1	10.18	2.04	10.18	2.04	0.00	
83	7 / 11043	26.300	21.616	1.830	CO18	DS4	2.60	12.34	0.00	0.00	0.00	
	18758	26.300	17.900	1.830	CO4	DS1	10.18	2.04	10.18	2.04	0.00	
	11618	24.609	24.170	1.830	CO2	DS1	0.84	10.01	2.00	10.01	0.00	
	11792	20.321	18.878	1.830	CO2	DS1	6.46	10.78	0.00	0.00	15.79	
Total							10.18	12.34	10.18	10.01	15.79	

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	32	20.300	16.400	-2.450	CO1	DS1	3.35	0.67	1.14	0.23	0.00	
94	13058	23.800	16.400	-2.450	CO1	DS1	0.83	3.17	0.79	2.54	0.00	
	396	21.198	16.400	0.150	CO1	DS1	0.02	0.00	3.35	0.67	0.00	
	13054	21.800	16.400	-2.450	CO1	DS1	0.35	1.76	0.63	3.17	0.00	
	32	20.300	16.400	-2.450	CO1	DS1	3.35	0.67	1.14	0.23	0.00	
Total							3.35	3.17	3.35	3.17	0.00	
Extremes	38	20.300	16.400	10.640	CO5	DS1	3.55	0.71	0.58	0.12	5.80	
100	14045	20.300	16.400	6.582	CO1	DS1	0.63	3.17	0.21	0.04	0.00	
	6	26.300	16.400	1.830	CO1	DS1	0.33	0.07	3.35	0.67	0.00	
	35 / 13291	20.300	16.400	5.350	CO1	DS1	0.28	0.06	1.07	3.17	0.00	
	38	20.300	16.400	10.640	CO5	DS1	3.55	0.71	0.58	0.12	5.80	
Total							3.55	3.17	3.35	3.17	5.80	

5.3.3 Slab No.82

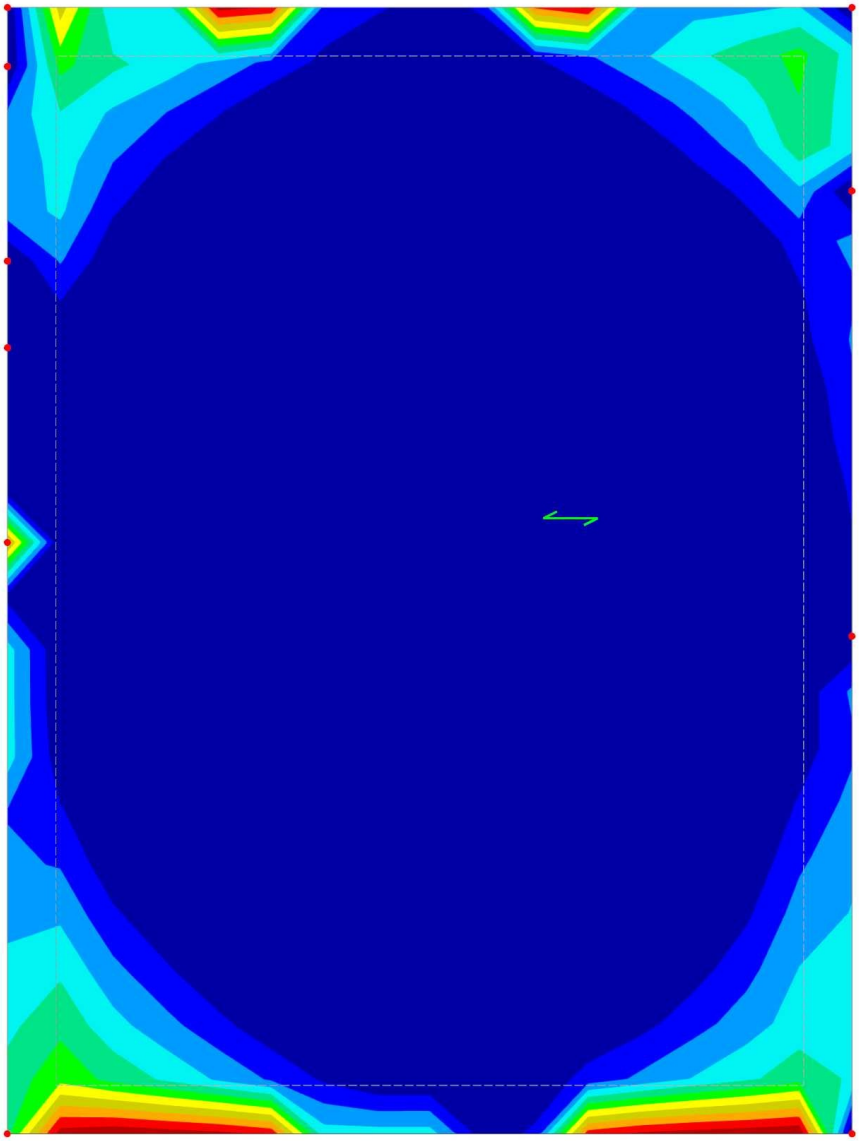
5.3.3.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

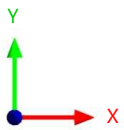
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

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

10.26	0.19 %
9.33	0.43 %
8.39	0.49 %
7.46	0.55 %
6.53	0.65 %
5.60	1.04 %
4.66	2.83 %
3.73	5.48 %
2.80	6.28 %
1.87	7.63 %
0.93	74.42 %
0.00	





2.500 m

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

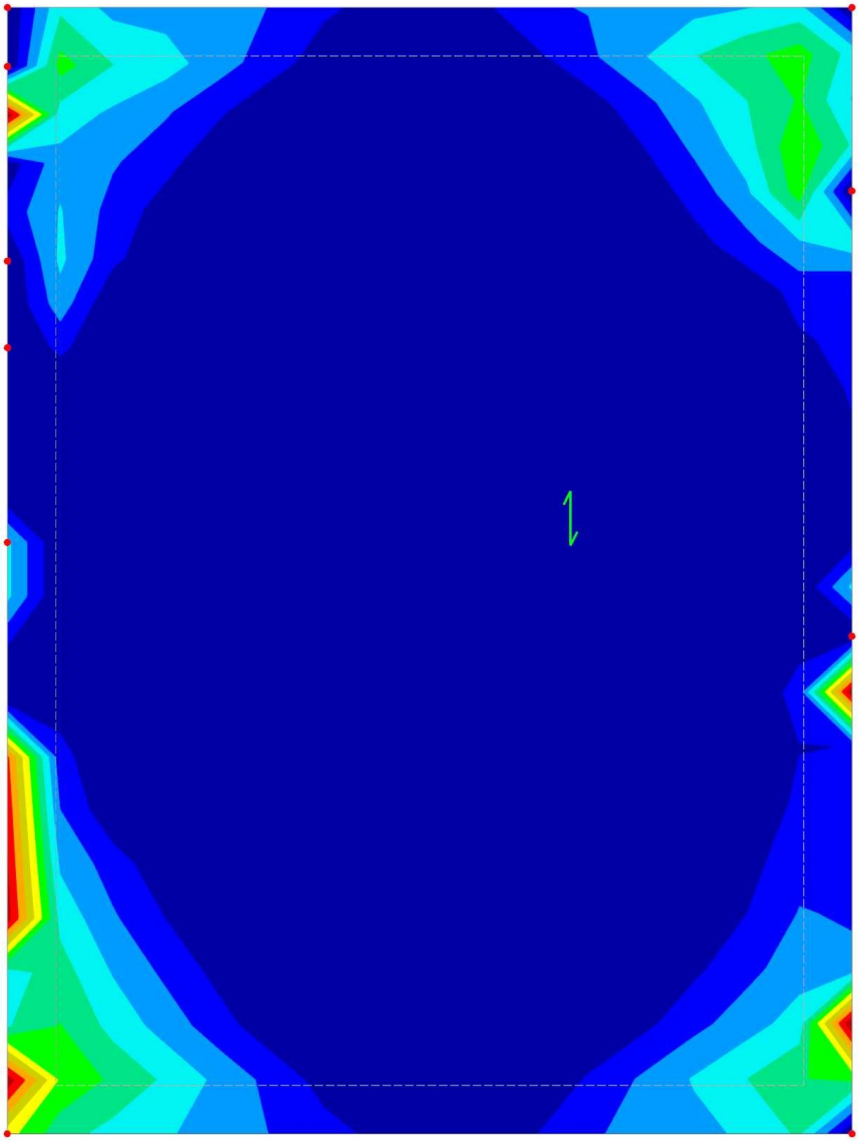
5.3.3.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

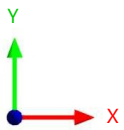
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

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

10.22	0.03 %
9.29	0.17 %
8.36	0.25 %
7.43	0.31 %
6.50	0.39 %
5.57	1.37 %
4.65	3.55 %
3.72	4.84 %
2.79	7.33 %
1.86	9.28 %
0.93	72.49 %
0.00	





2.500 m

Y
Surfaces | max $a_{s,req,2,-z\ (top)}$: 10.22 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/m

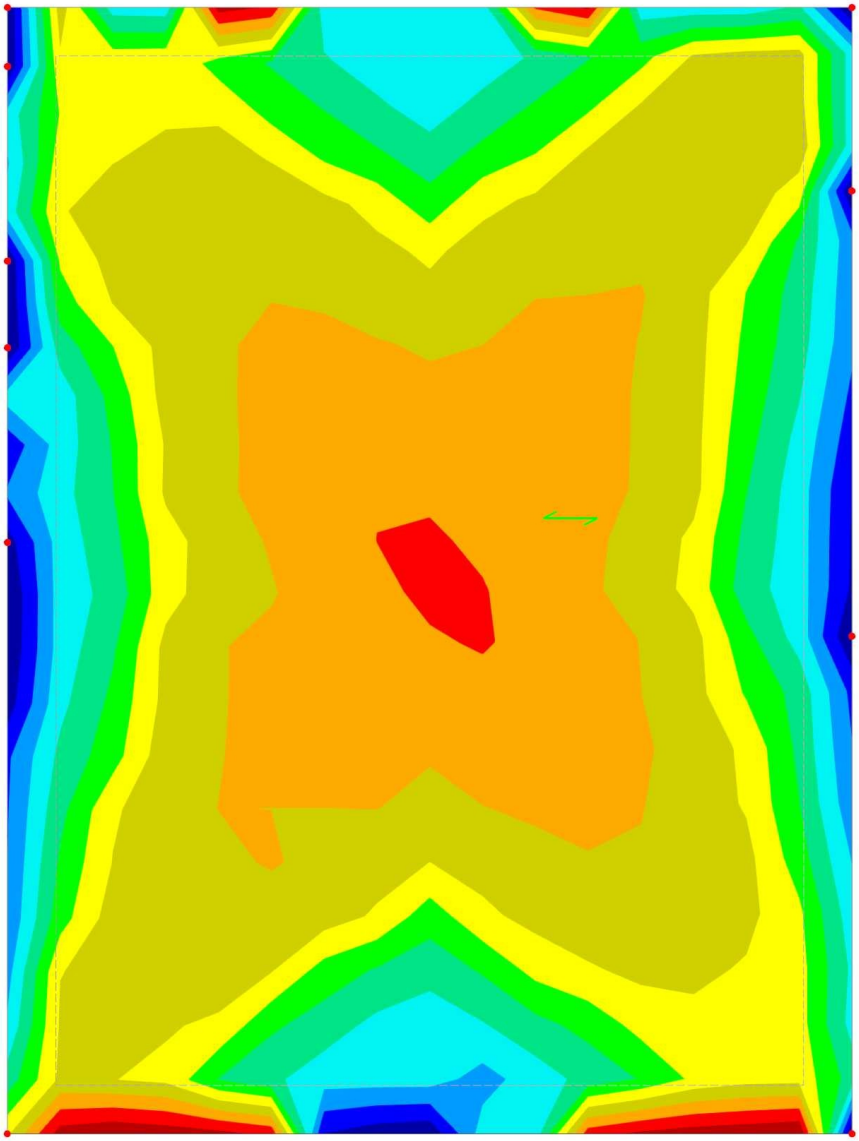
5.3.3.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

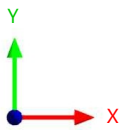
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

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

10.26	0.31 %
9.33	1.63 %
8.39	20.29 %
7.46	31.02 %
6.53	13.99 %
5.60	9.84 %
4.66	9.37 %
3.73	8.24 %
2.80	3.18 %
1.87	1.53 %
0.93	0.60 %
0.00	





2.500 m

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

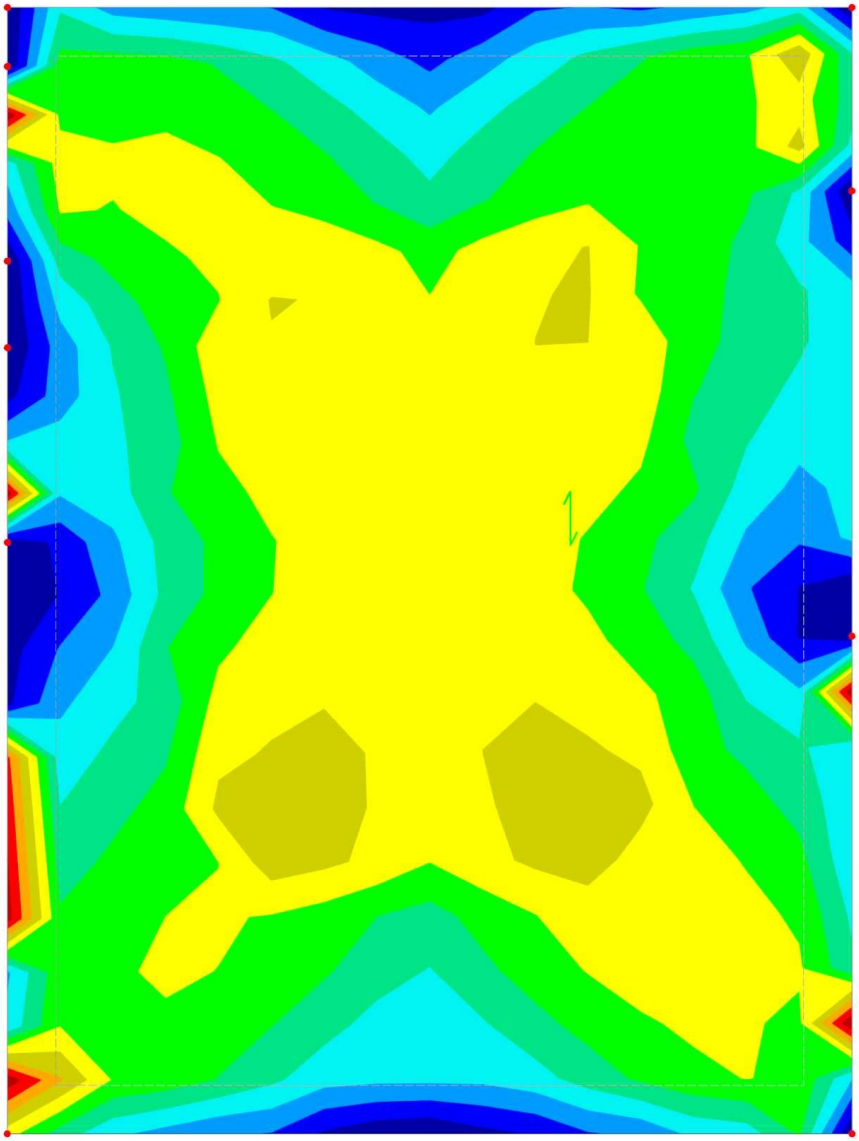
5.3.3.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

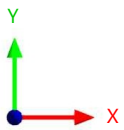
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z

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

10.22	0.04 %
9.29	0.25 %
8.36	0.39 %
7.43	5.05 %
6.50	32.69 %
5.57	24.60 %
4.65	15.00 %
3.72	11.49 %
2.79	5.63 %
1.86	3.25 %
0.93	1.60 %
0.00	





2.500 m

Y
Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.22 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.4 Slab No. 43

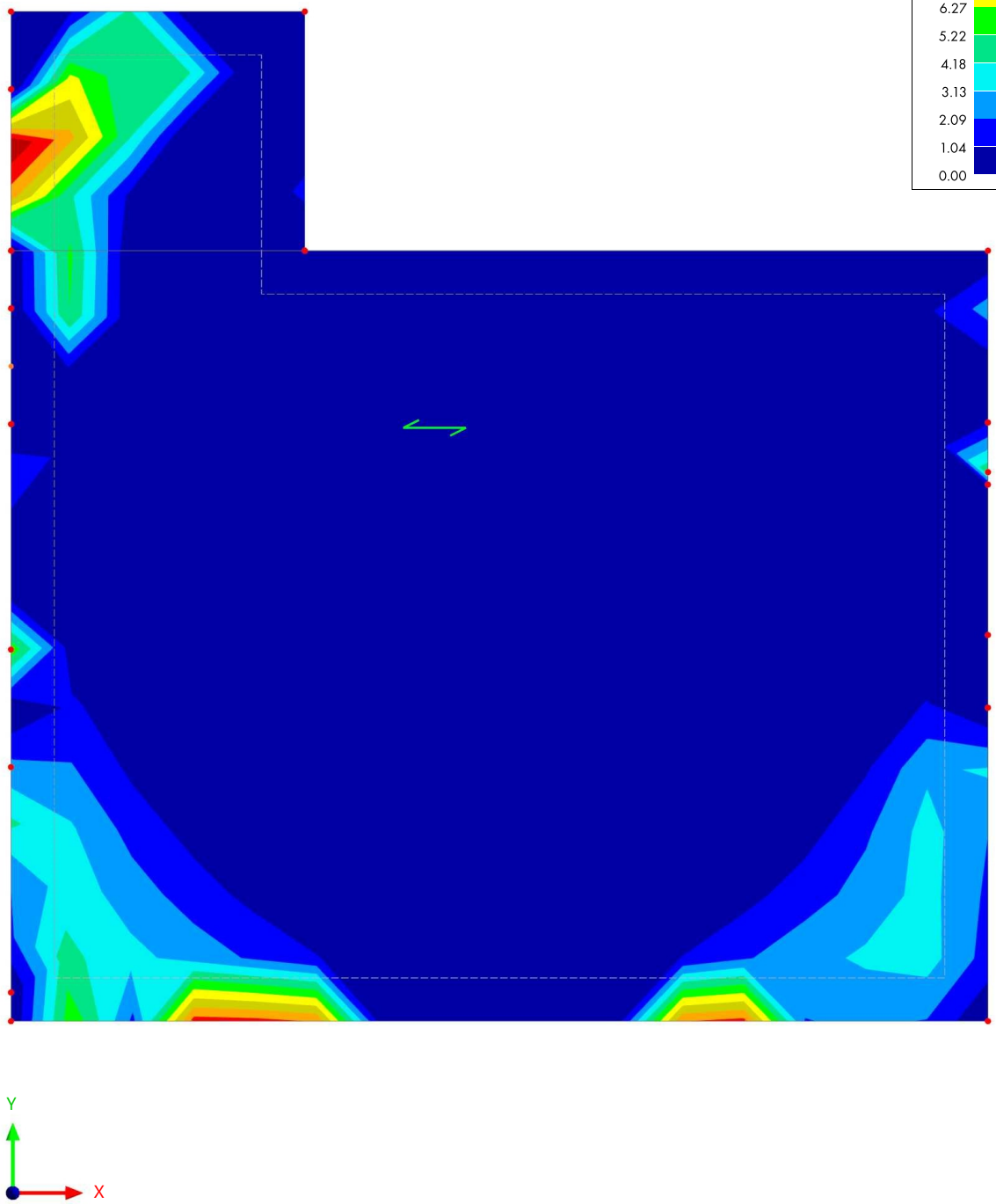
5.3.4.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

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

In direction -Z

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

11.49	0.03 %
10.45	0.15 %
9.40	0.39 %
8.36	0.52 %
7.31	0.60 %
6.27	0.73 %
5.22	2.26 %
4.18	4.19 %
3.13	7.01 %
2.09	5.97 %
1.04	78.14 %
0.00	



1.000 m

Surfaces | max $a_{s,req,1,-z\ (top)}$: 11.49 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

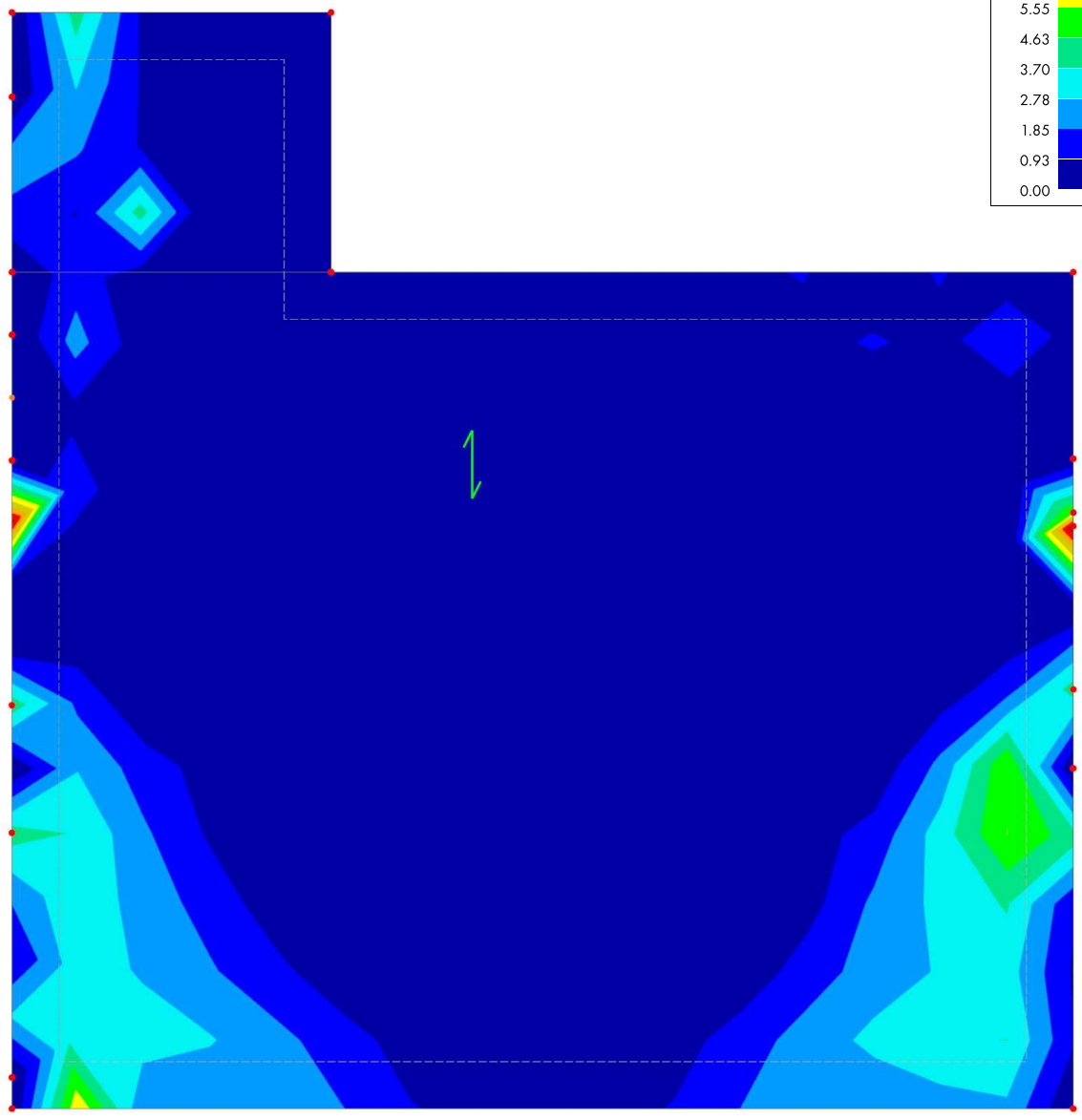
5.3.4.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

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

In direction -Z

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

10.18	0.00 %
9.25	0.02 %
8.33	0.03 %
7.40	0.04 %
6.48	0.08 %
5.55	0.67 %
4.63	1.10 %
3.70	6.99 %
2.78	9.14 %
1.85	9.76 %
0.93	72.17 %
0.00	



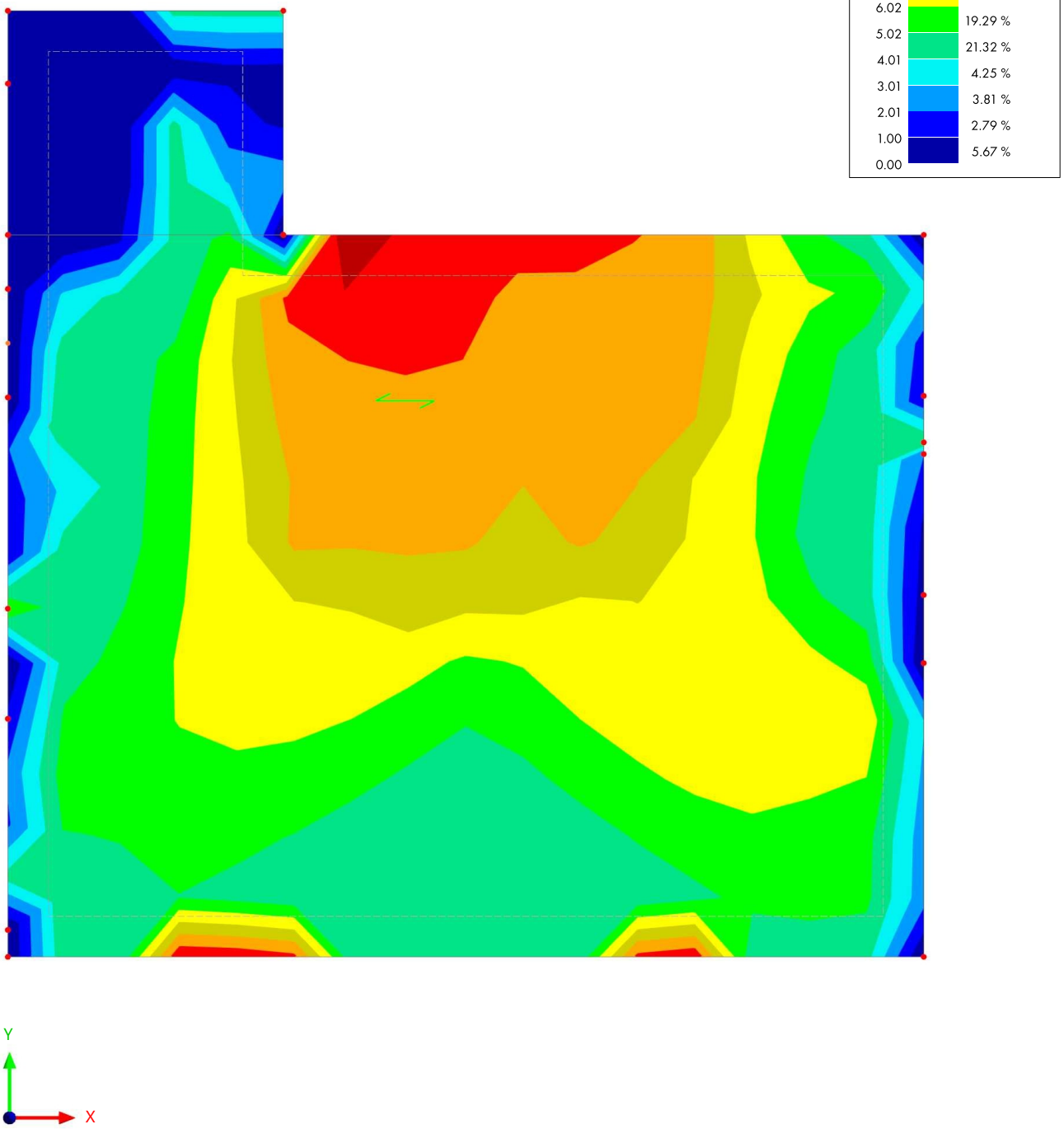
1.000 m

Surfaces | max $a_{s,req,2,-z\ (top)}$: 10.18 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/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 $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z



Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 11.04 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm^2/m

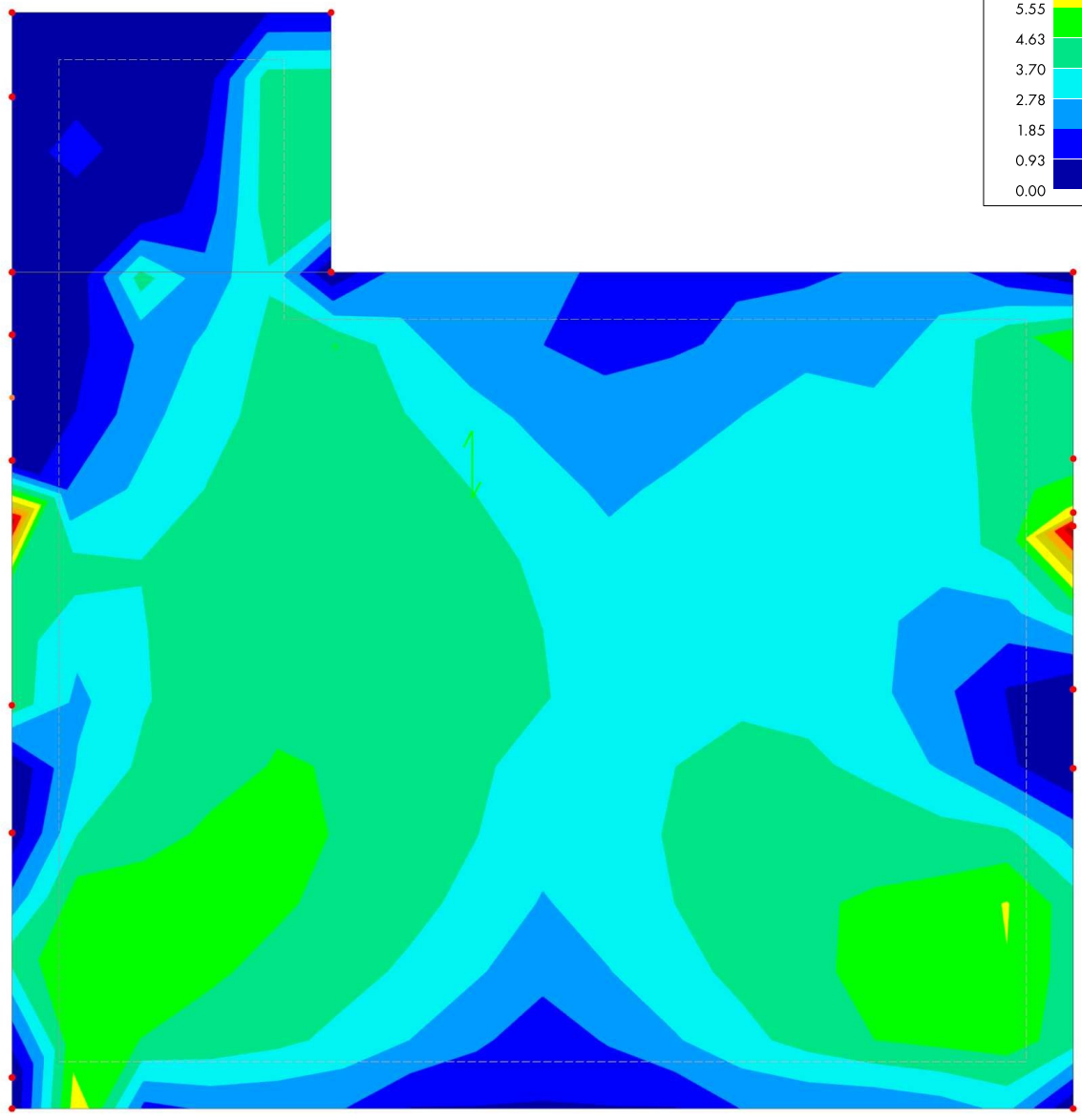
5.3.4.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

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

In direction -Z

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

10.18	0.01 %
9.25	0.03 %
8.33	0.06 %
7.40	0.09 %
6.48	0.19 %
5.55	8.78 %
4.63	31.53 %
3.70	29.88 %
2.78	15.38 %
1.85	6.97 %
0.93	7.09 %
0.00	



1.000 m

Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.18 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.5 Slab No. 83

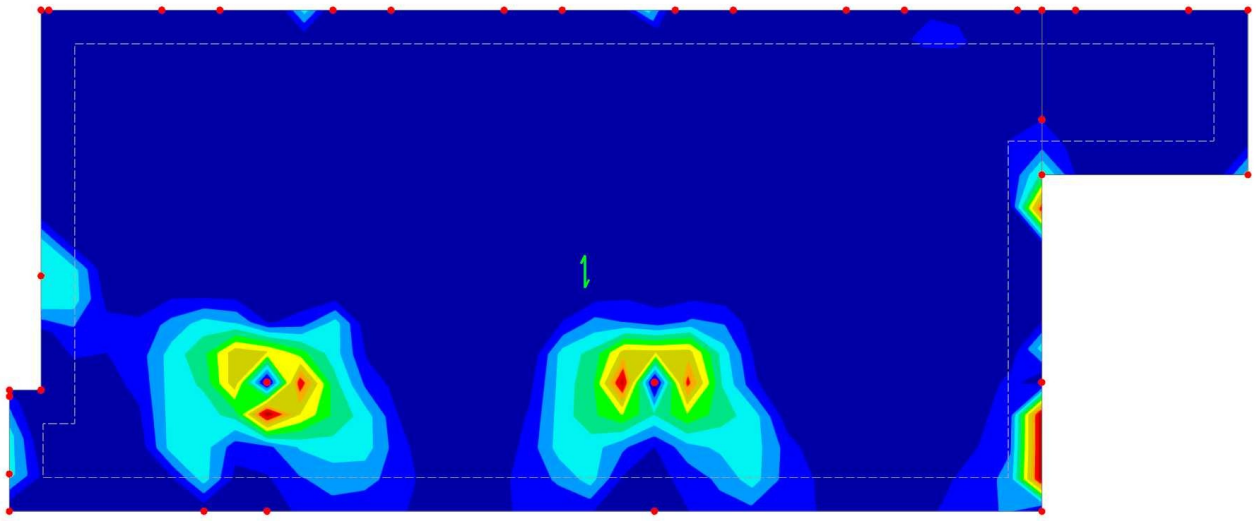
5.3.5.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

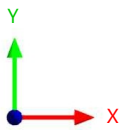
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

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

10.18	0.05 %
9.26	0.11 %
8.33	0.24 %
7.41	0.82 %
6.48	0.84 %
5.55	1.20 %
4.63	1.87 %
3.70	4.50 %
2.78	4.44 %
1.85	8.40 %
0.93	77.53 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,-z\ (top)}$: 10.18 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

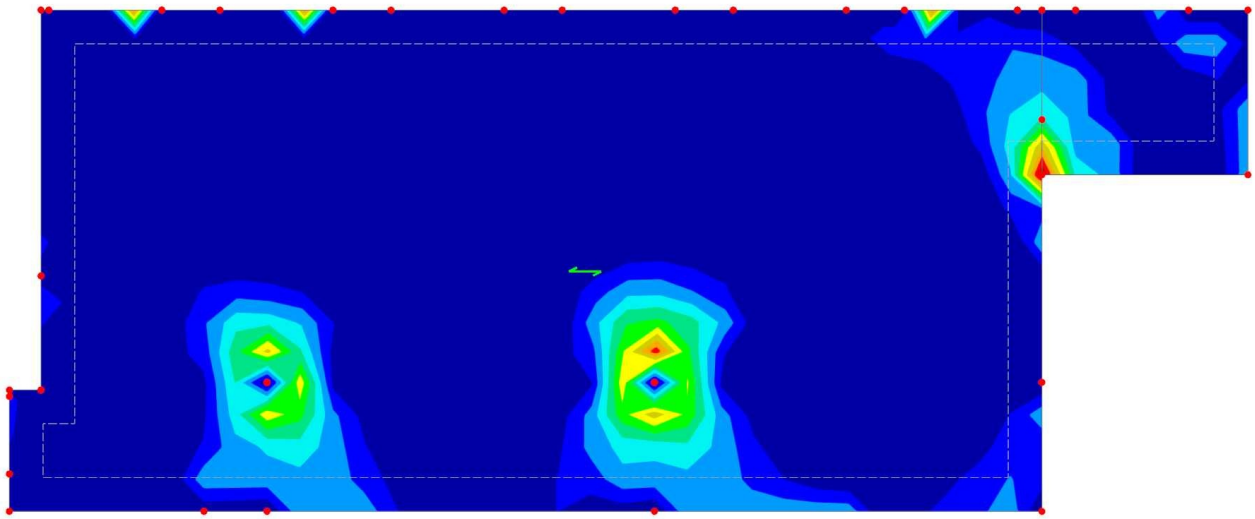
5.3.5.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

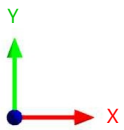
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

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

12.34	0.01 %
11.21	0.03 %
10.09	0.08 %
8.97	0.17 %
7.85	0.51 %
6.73	1.38 %
5.61	1.62 %
4.49	2.74 %
3.36	6.64 %
2.24	8.84 %
1.12	77.97 %
0.00	





2.500 m

Surfaces | max $a_{s,req,2,-z\ (top)}$: 12.34 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/m

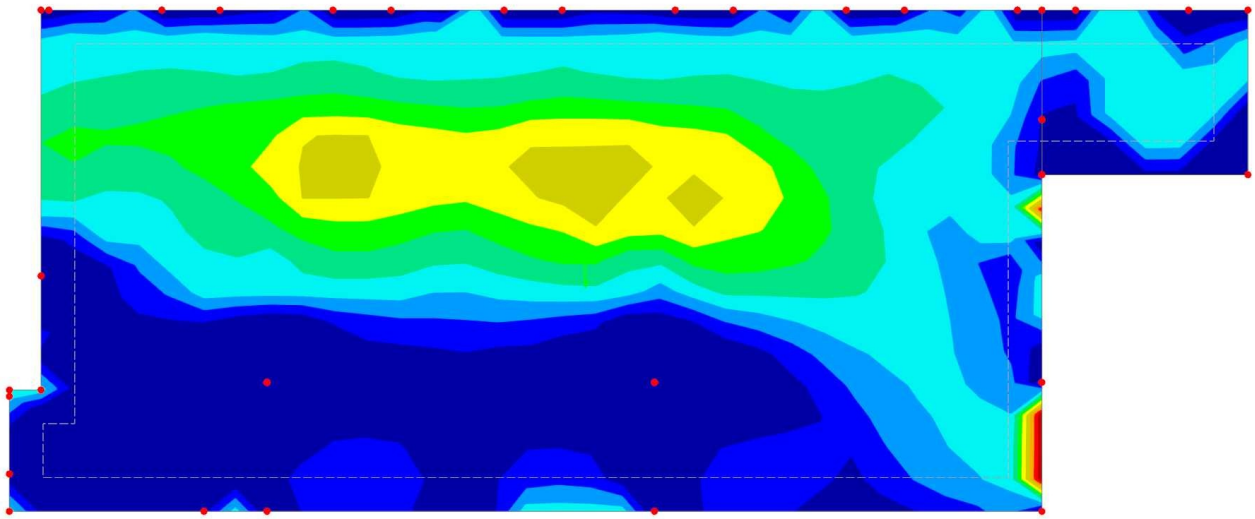
5.3.5.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

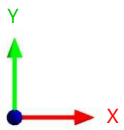
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

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

10.18	0.05 %
9.26	0.06 %
8.33	0.07 %
7.41	2.54 %
6.48	6.90 %
5.55	7.79 %
4.63	12.93 %
3.70	21.83 %
2.78	10.25 %
1.85	11.56 %
0.93	26.03 %
0.00	





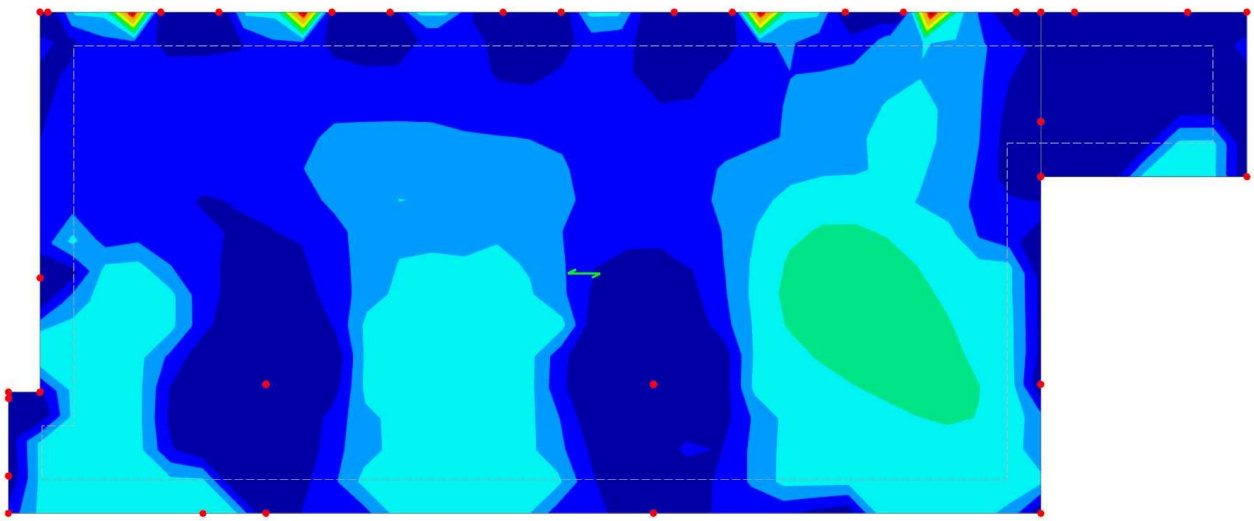
2.500 m

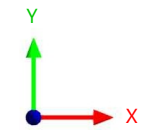
Surfaces | max $a_{s,req,1,+z\ (bottom)}$: 10.18 | min $a_{s,req,1,+z\ (bottom)}$: 0.00 cm^2/m

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





2.500 m

Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.01 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

5.3.6 Slab No.56,57

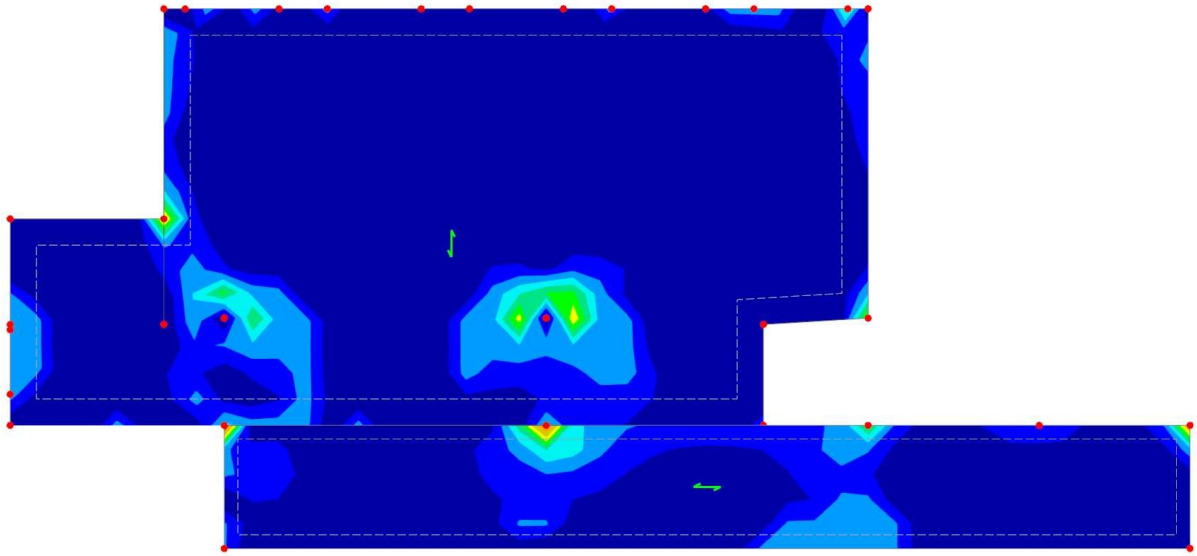
5.3.6.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

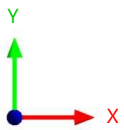
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

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

10.97	0.00 %
9.97	0.01 %
8.97	0.02 %
7.98	0.03 %
6.98	0.09 %
5.98	0.30 %
4.99	0.62 %
3.99	1.21 %
2.99	7.54 %
1.99	14.04 %
1.00	76.14 %
0.00	





2.500 m

Surfaces | max $a_{s,req,1,-z\ (top)}$: 10.97 | min $a_{s,req,1,-z\ (top)}$: 0.00 cm^2/m

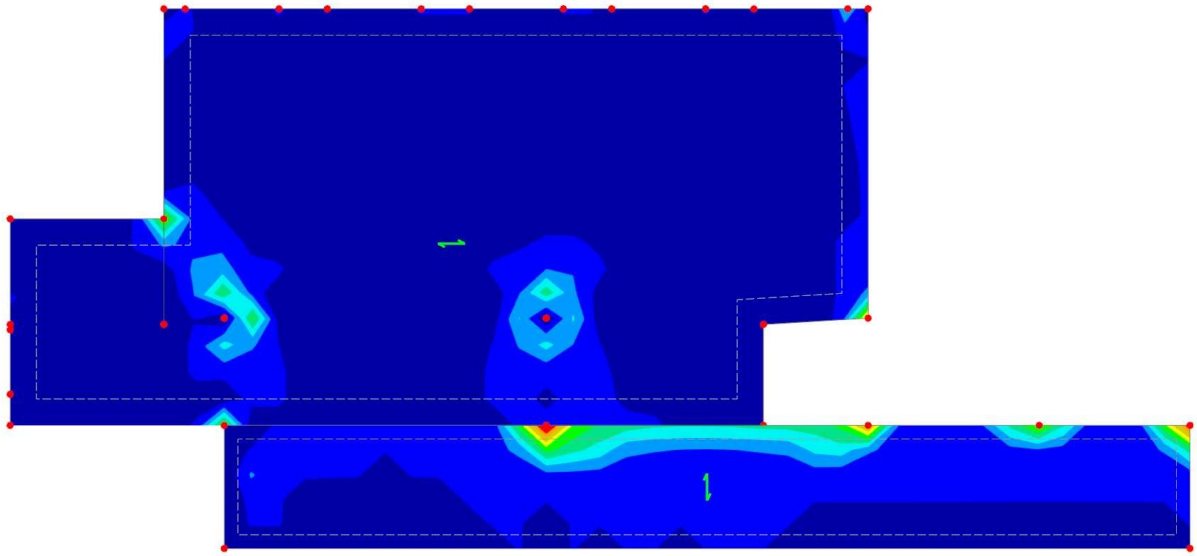
5.3.6.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

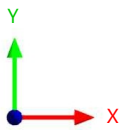
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

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

19.39	0.01 %
17.63	0.02 %
15.87	0.04 %
14.11	0.07 %
12.34	0.10 %
10.58	0.28 %
8.82	0.83 %
7.05	1.61 %
5.29	3.21 %
3.53	23.21 %
1.76	70.64 %
0.00	





2.500 m

Surfaces | max $a_{s,req,2,-z\ (top)}$: 19.39 | min $a_{s,req,2,-z\ (top)}$: 0.00 cm^2/m

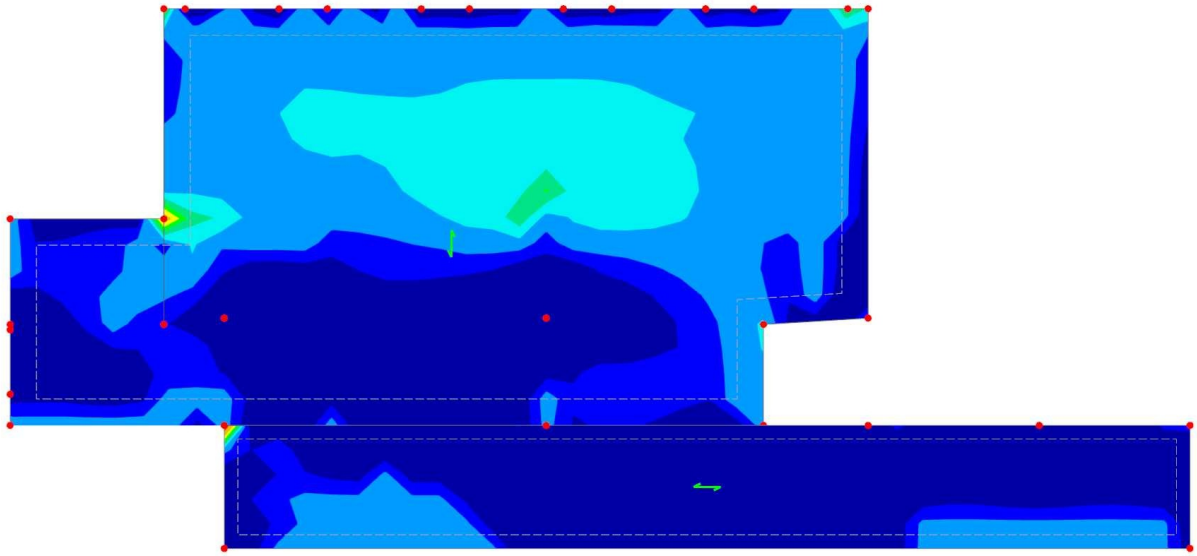
5.3.6.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

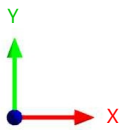
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

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

10.26	0.00 %
9.33	0.00 %
8.40	0.00 %
7.46	0.02 %
6.53	0.04 %
5.60	0.06 %
4.66	0.51 %
3.73	11.18 %
2.80	33.26 %
1.87	14.73 %
0.93	40.20 %
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

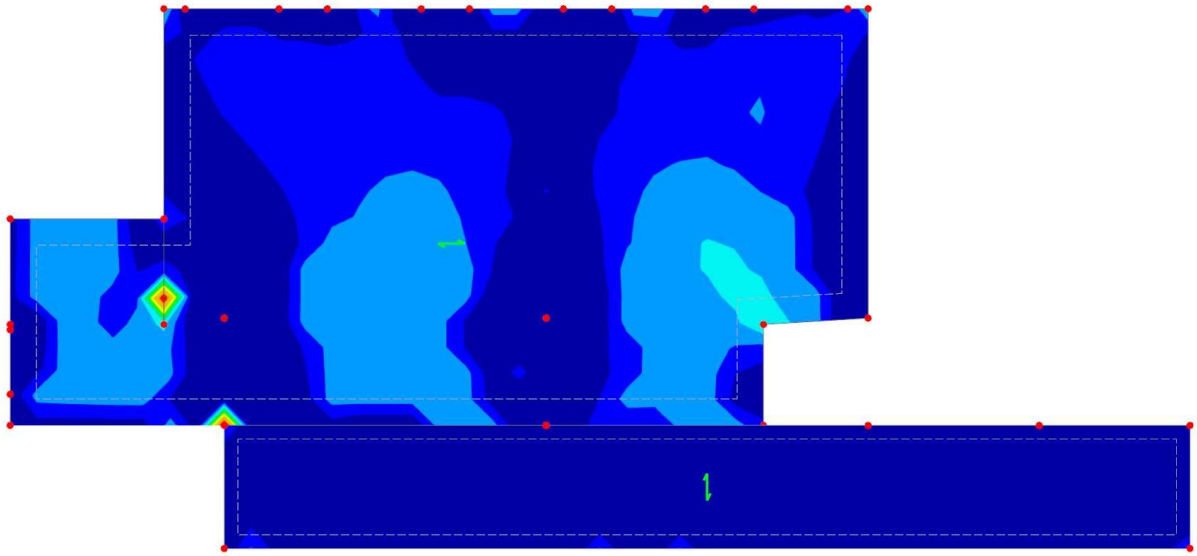
5.3.6.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

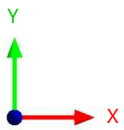
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z

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

10.23	0.00 %
9.30	0.01 %
8.37	0.03 %
7.44	0.04 %
6.51	0.05 %
5.58	0.06 %
4.65	0.07 %
3.72	1.01 %
2.79	19.04 %
1.86	24.44 %
0.93	55.25 %
0.00	





2.500 m

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

5.3.7 Slab No. 73

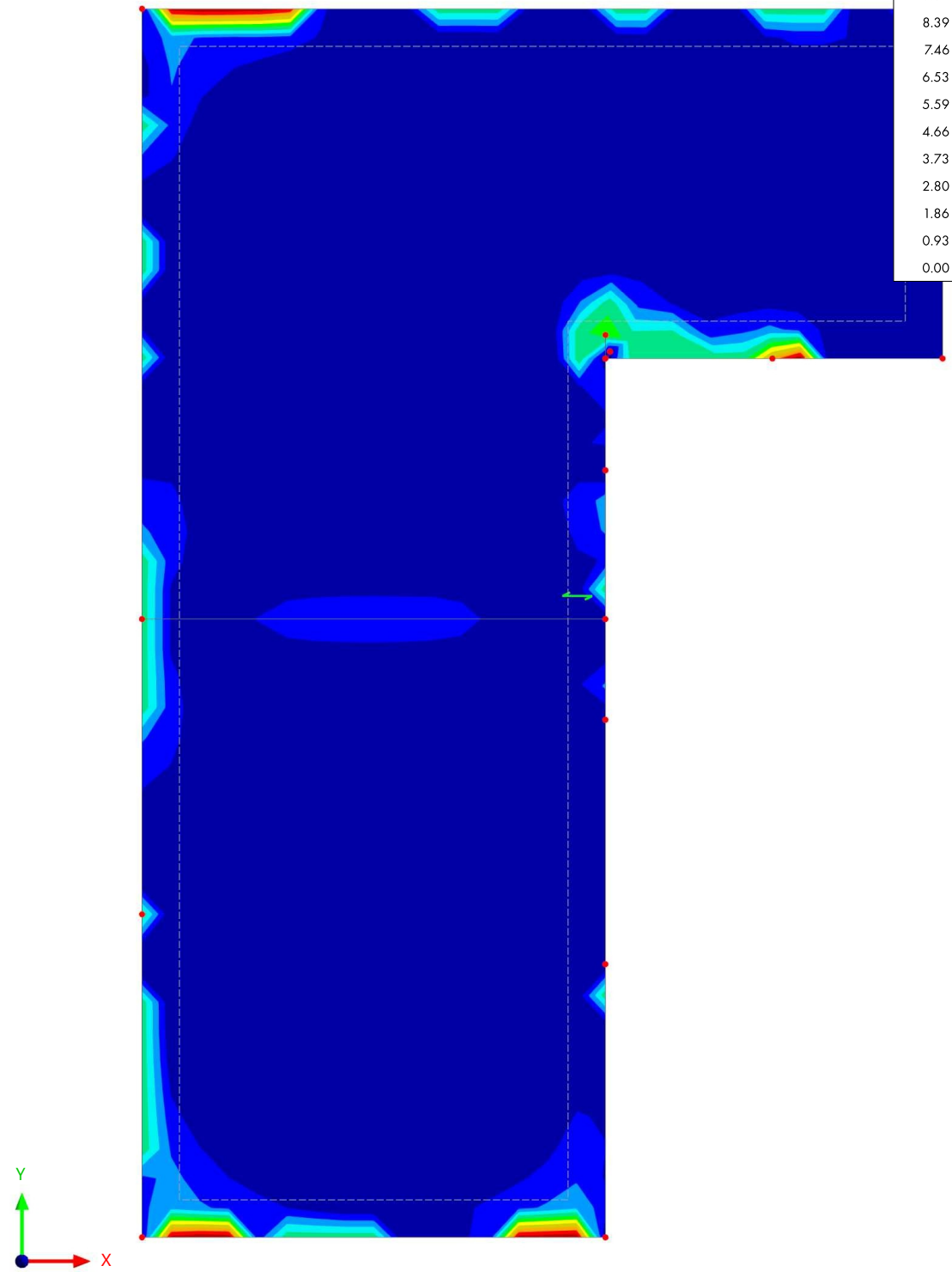
5.3.7.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

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

In direction -Z

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

10.26	0.09 %
9.32	0.13 %
8.39	0.15 %
7.46	0.17 %
6.53	0.18 %
5.59	0.25 %
4.66	1.22 %
3.73	1.41 %
2.80	2.27 %
1.86	7.46 %
0.93	86.66 %
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

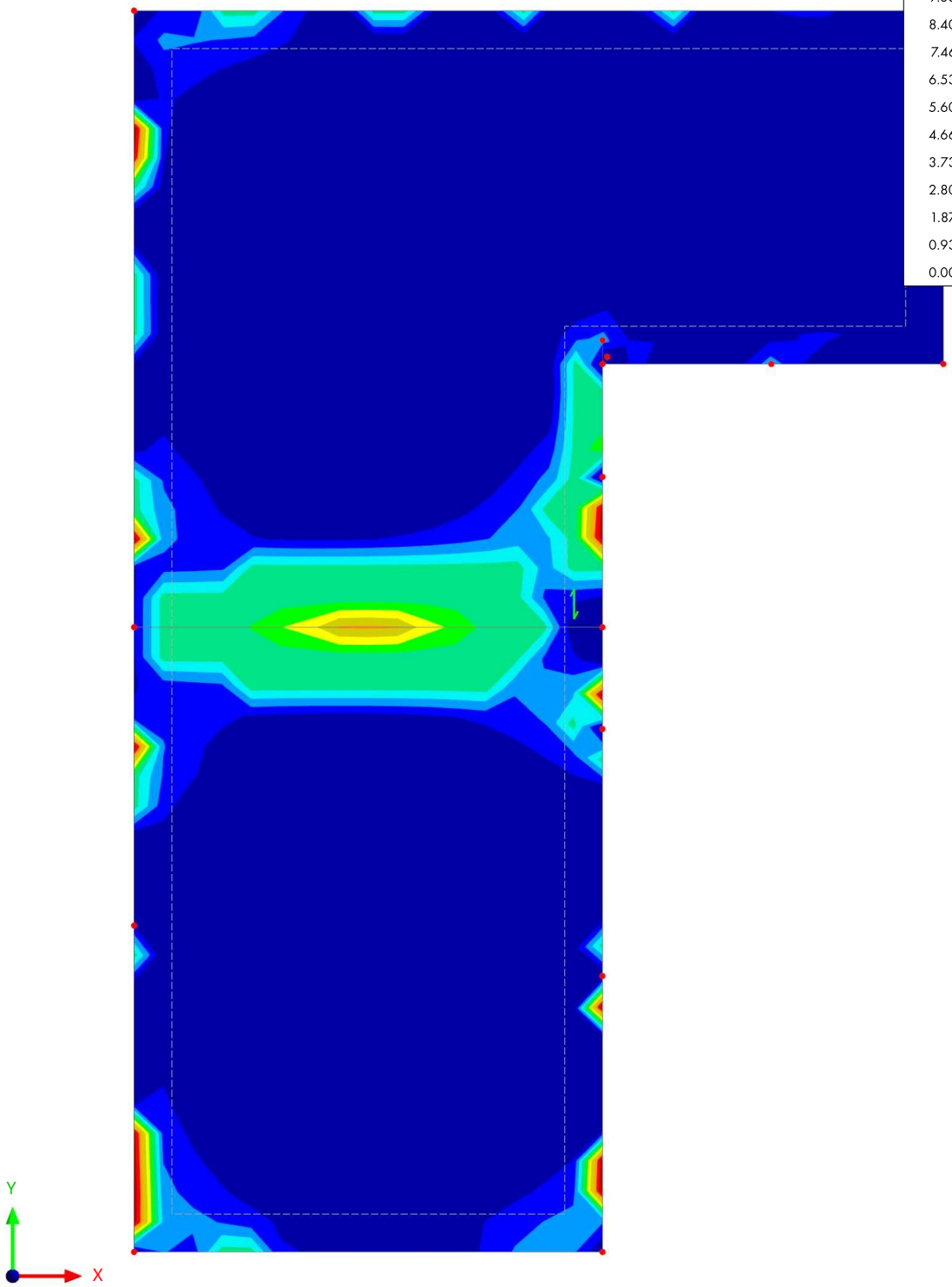
5.3.7.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

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

In direction -Z

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

10.26	0.06 %
9.33	0.12 %
8.40	0.18 %
7.46	0.36 %
6.53	0.54 %
5.60	0.99 %
4.66	5.77 %
3.73	2.52 %
2.80	4.30 %
1.87	7.98 %
0.93	77.18 %
0.00	



2.500 m

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

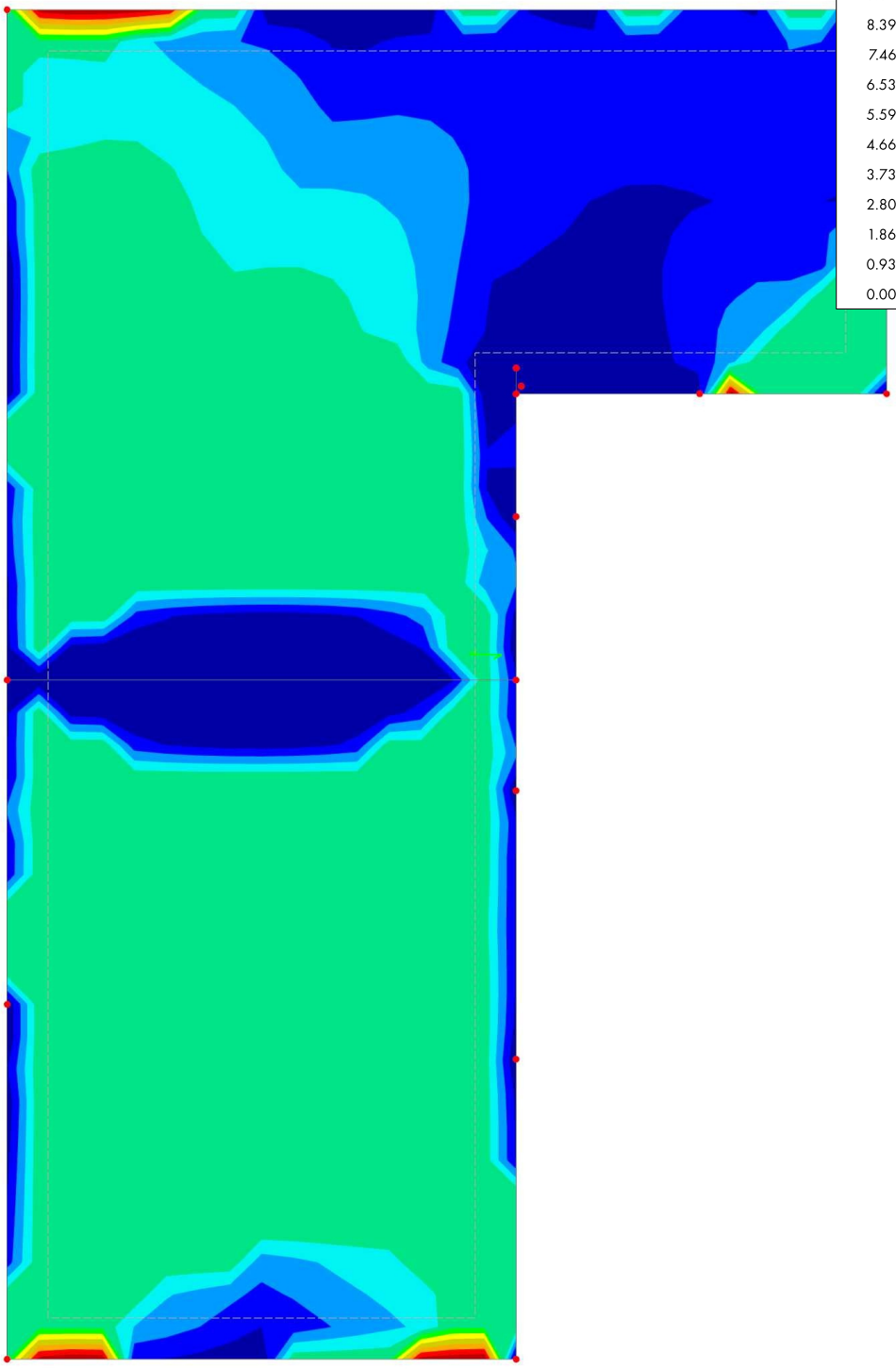
5.3.7.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

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

In direction -Z

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

10.26	0.12 %
9.32	0.18 %
8.39	0.20 %
7.46	0.22 %
6.53	0.24 %
5.59	0.26 %
4.66	51.88 %
3.73	10.14 %
2.80	8.85 %
1.86	17.01 %
0.93	10.88 %
0.00	



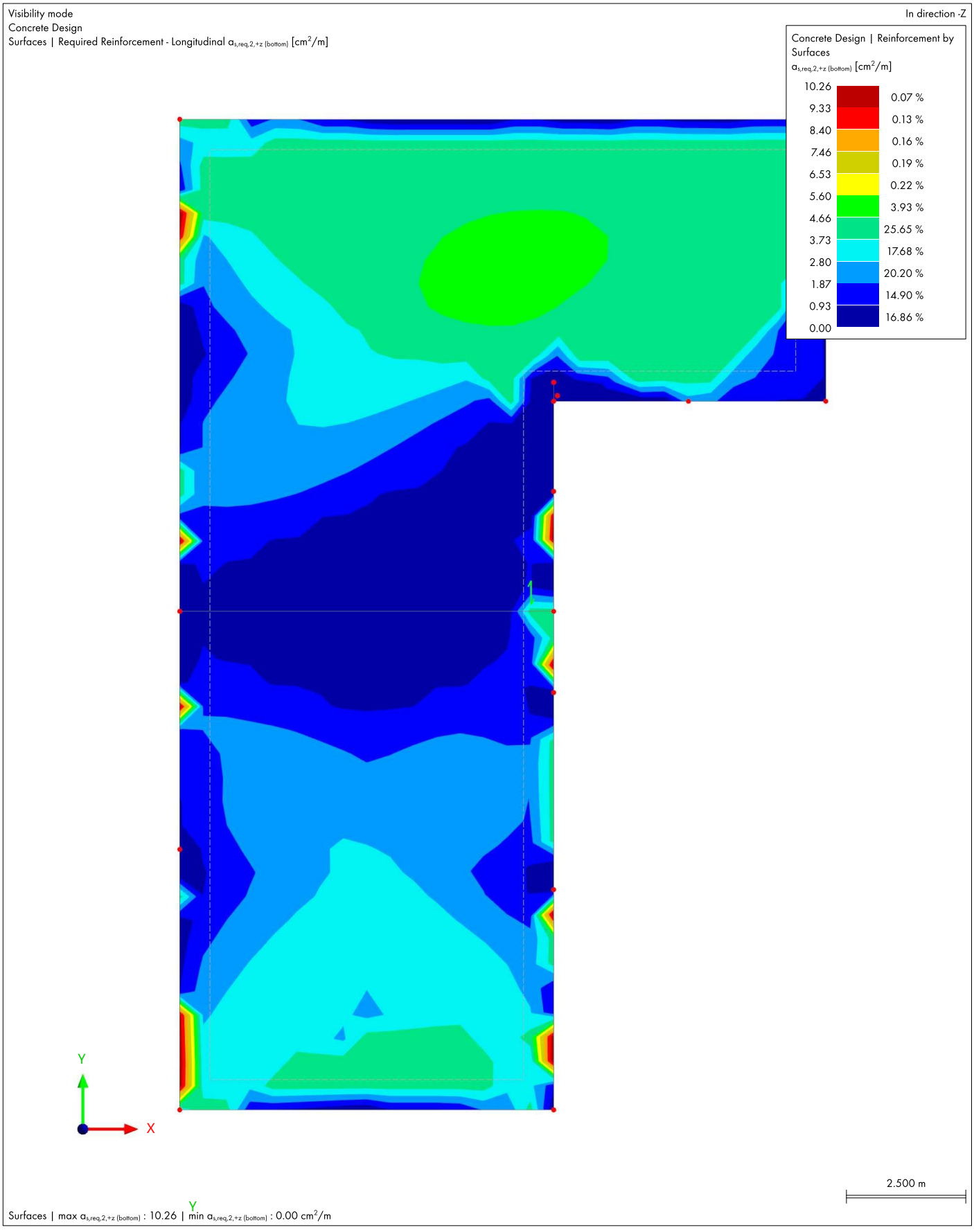
2.500 m

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

5.3.7.4 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 $a_{s,req,2,+z\ (bottom)}$: 10.26 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm²/m

5.3.8 Slab No. 74

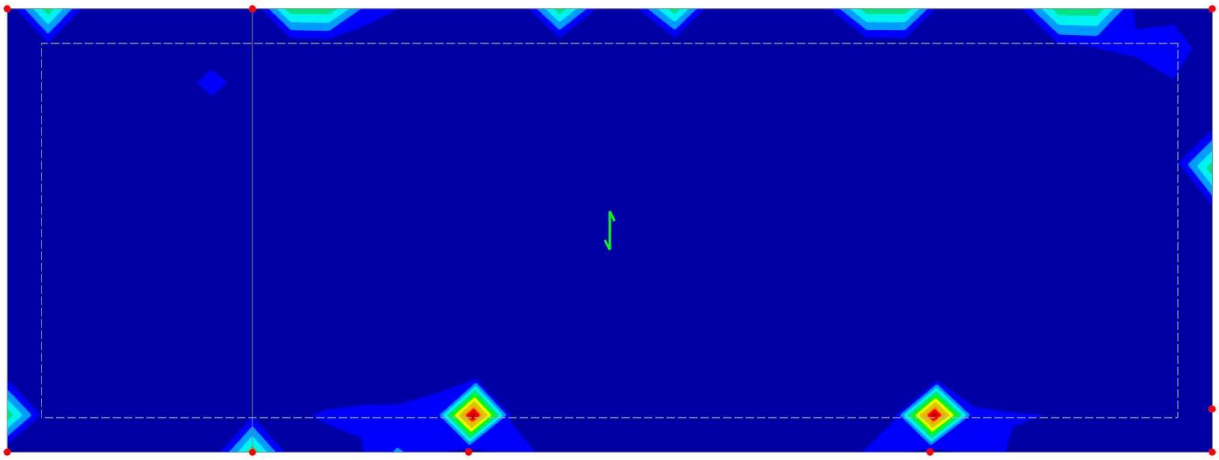
5.3.8.1 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN DIRECTION -Z

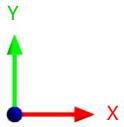
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,-z\ (top)}$ [cm^2/m]

In direction -Z

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

10.26	0.01 %
9.33	0.03 %
8.40	0.05 %
7.46	0.07 %
6.53	0.09 %
5.60	0.11 %
4.66	0.32 %
3.73	0.67 %
2.80	0.97 %
1.87	4.01 %
0.93	93.67 %
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

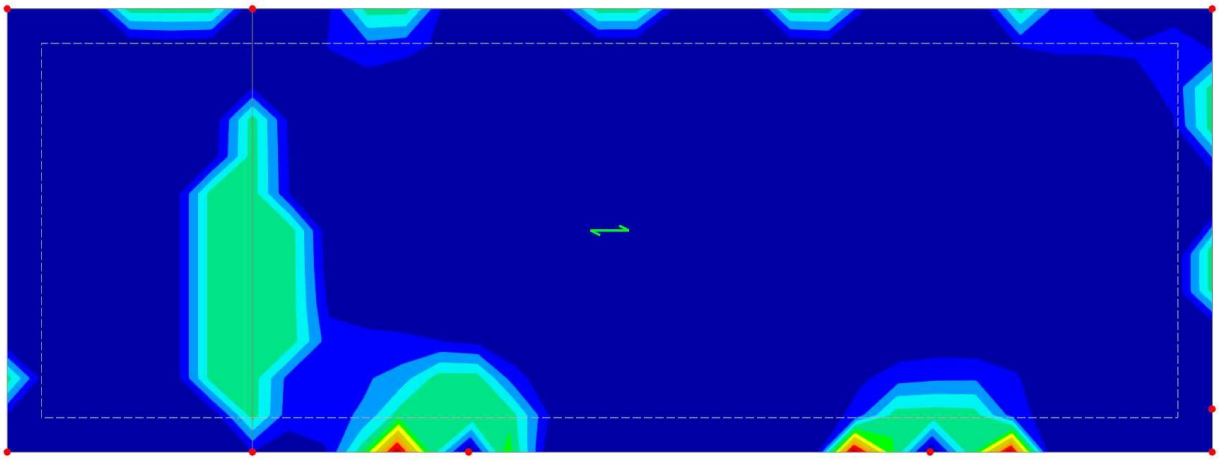
5.3.8.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN DIRECTION -Z

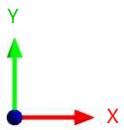
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,-z\ (top)}$ [cm^2/m]

In direction -Z

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

10.15	0.01 %
9.23	0.04 %
8.30	0.06 %
7.38	0.09 %
6.46	0.12 %
5.54	0.22 %
4.61	5.62 %
3.69	2.95 %
2.77	3.53 %
1.85	7.46 %
0.92	79.90 %
0.00	





2.500 m

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

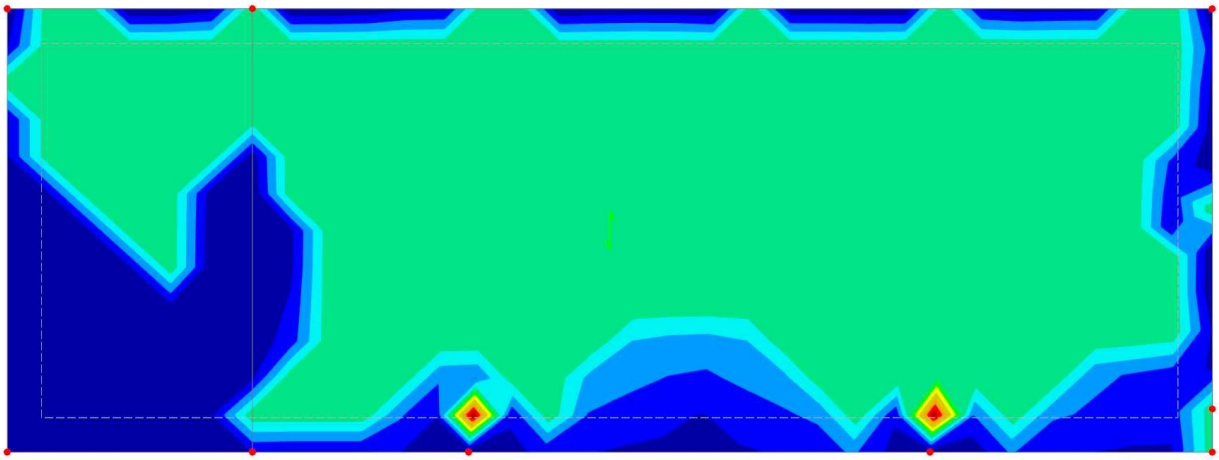
5.3.8.3 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,+z\ (bottom)}$, IN DIRECTION -Z

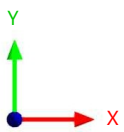
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,1,+z\ (bottom)}$ [cm^2/m]

In direction -Z

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

10.26	0.01 %
9.33	0.04 %
8.40	0.06 %
7.46	0.09 %
6.53	0.11 %
5.60	0.14 %
4.66	63.87 %
3.73	6.21 %
2.80	7.33 %
1.87	8.86 %
0.93	13.29 %
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

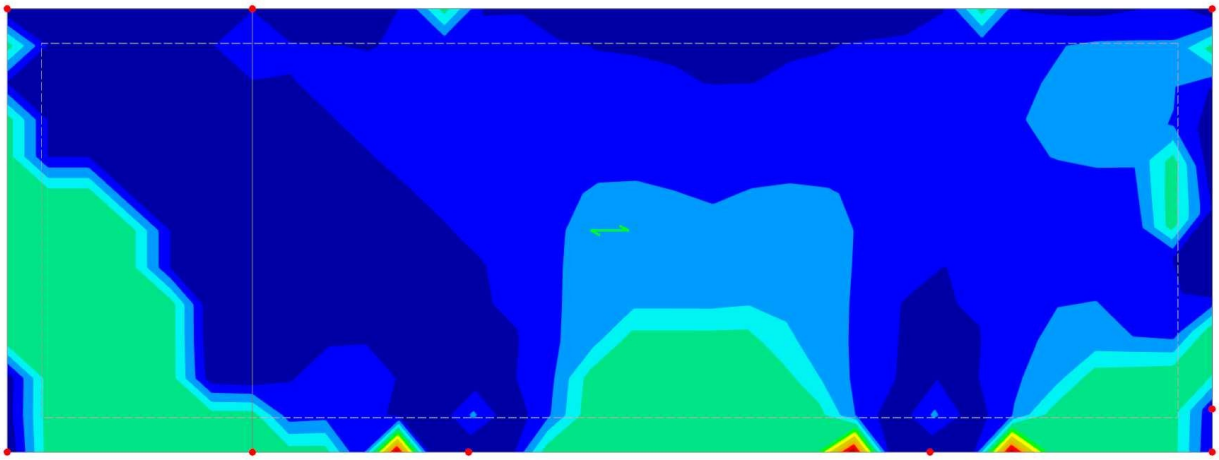
5.3.8.4 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,+z\ (bottom)}$, IN DIRECTION -Z

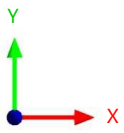
Visibility mode
Concrete Design
Surfaces | Required Reinforcement - Longitudinal $a_{s,req,2,+z\ (bottom)}$ [cm^2/m]

In direction -Z

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

10.15	0.01 %
9.23	0.03 %
8.30	0.05 %
7.38	0.07 %
6.46	0.09 %
5.54	0.11 %
4.61	15.51 %
3.69	3.89 %
2.77	14.40 %
1.85	37.66 %
0.92	28.20 %
0.00	





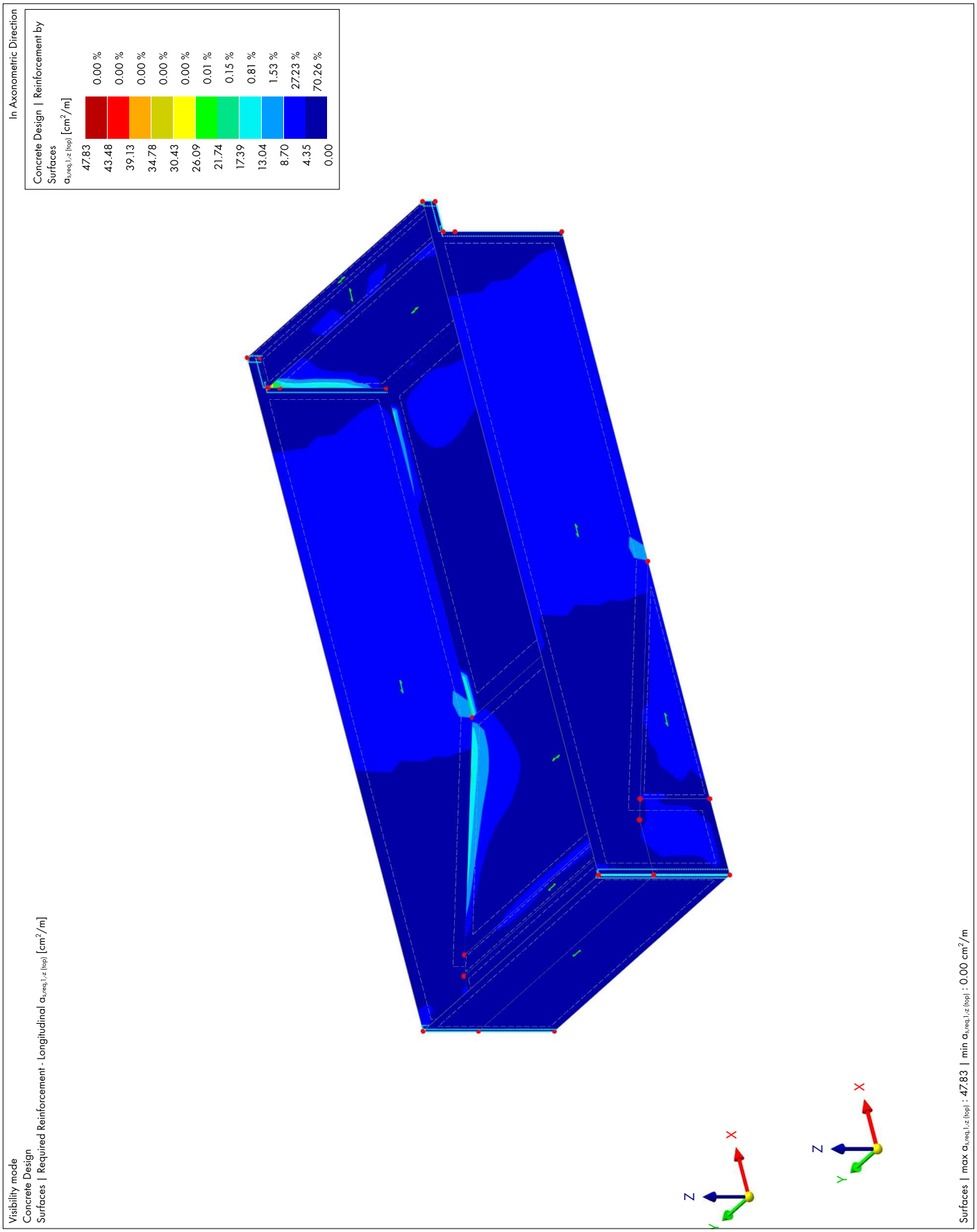
2.500 m

Surfaces | max $a_{s,req,2,+z\ (bottom)}$: 10.15 | min $a_{s,req,2,+z\ (bottom)}$: 0.00 cm^2/m

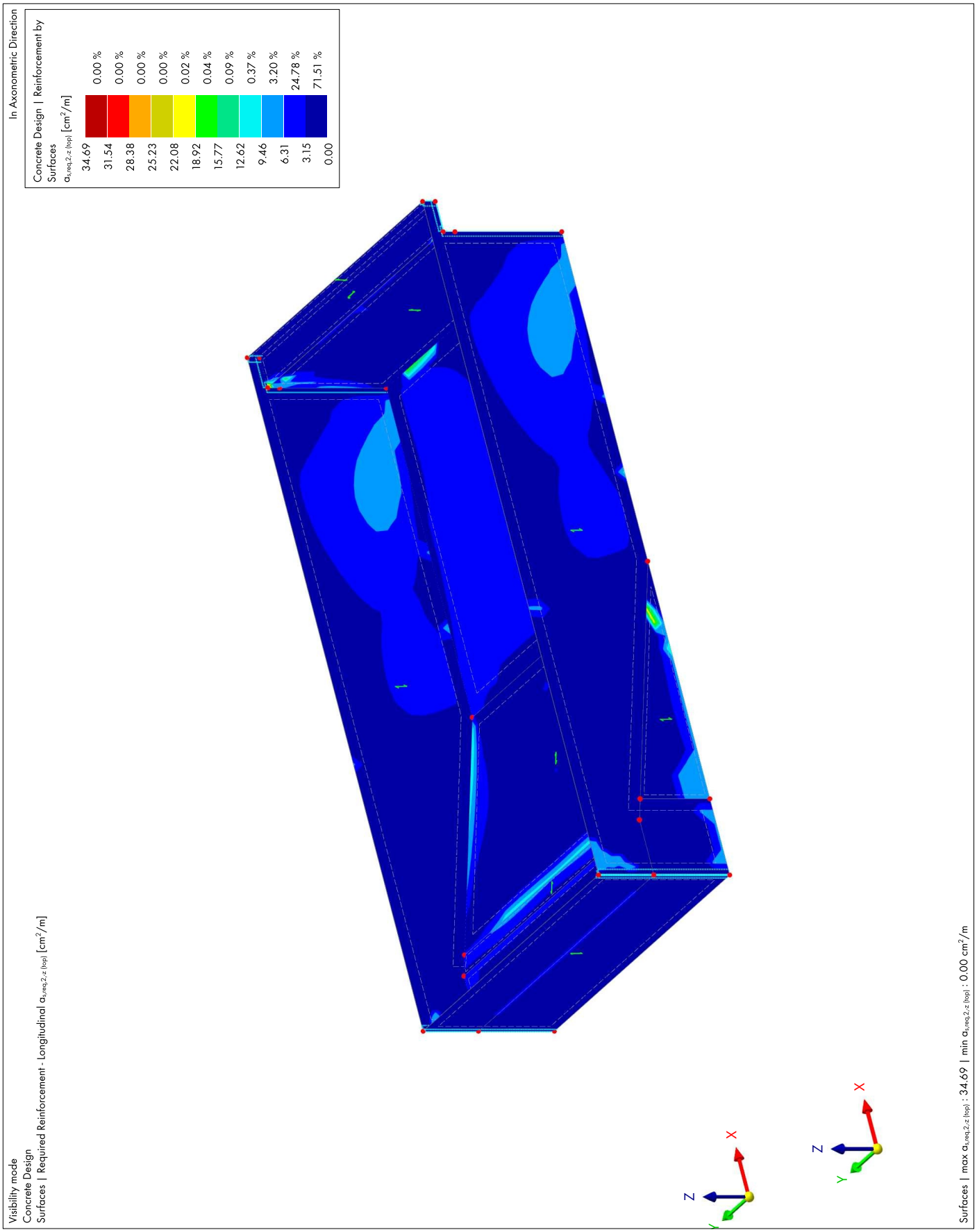
5.3.9 Reinforcement of pool

5.3.9.1

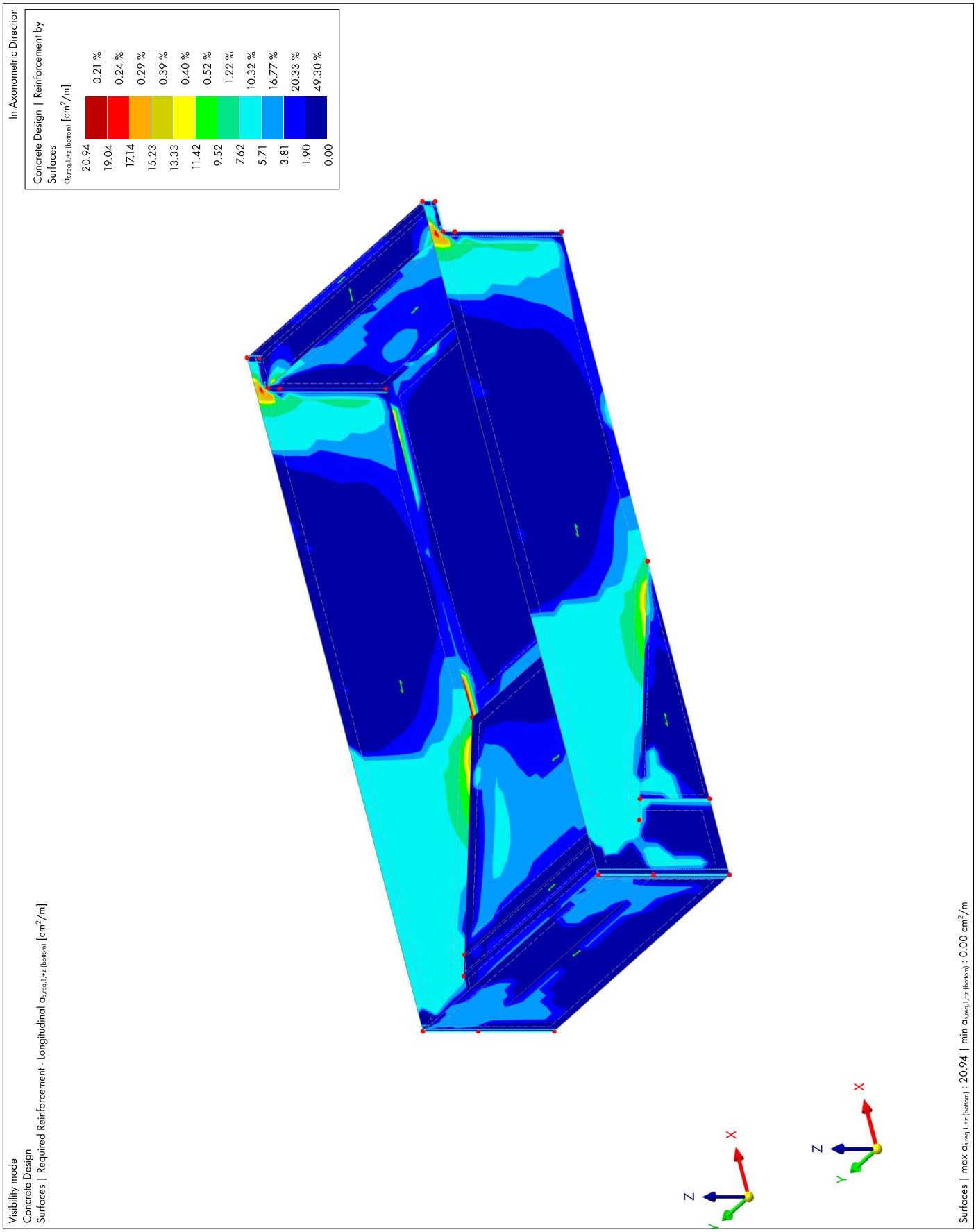
CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,1,-z\ (top)}$, IN AXONOMETRIC DIRECTION



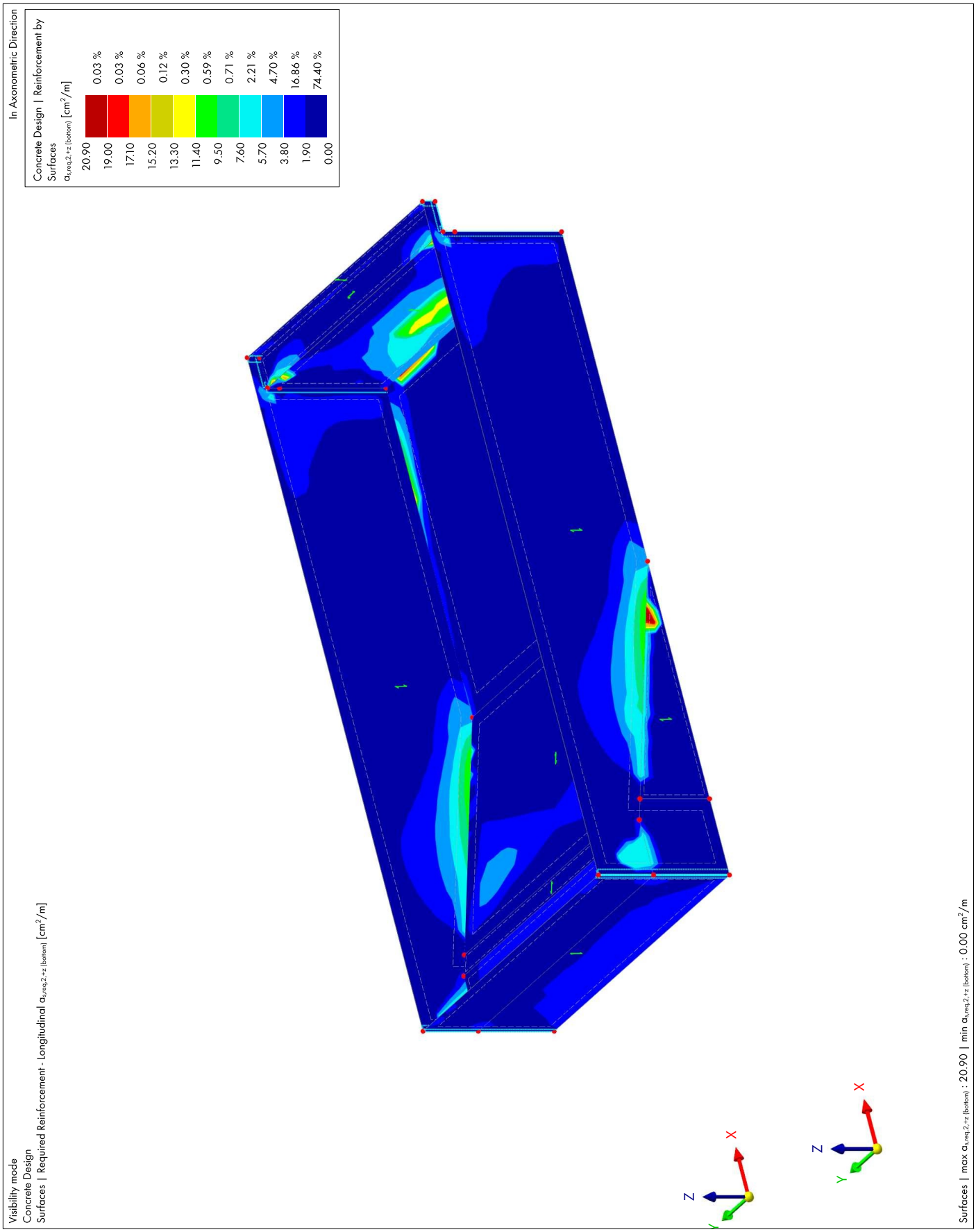
5.3.9.2 CONCRETE DESIGN: MAX. OF ALL VALUES, REQUIRED REINFORCEMENT, $a_{s,req,2,-z\ (top)}$, IN AXONOMETRIC DIRECTION



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

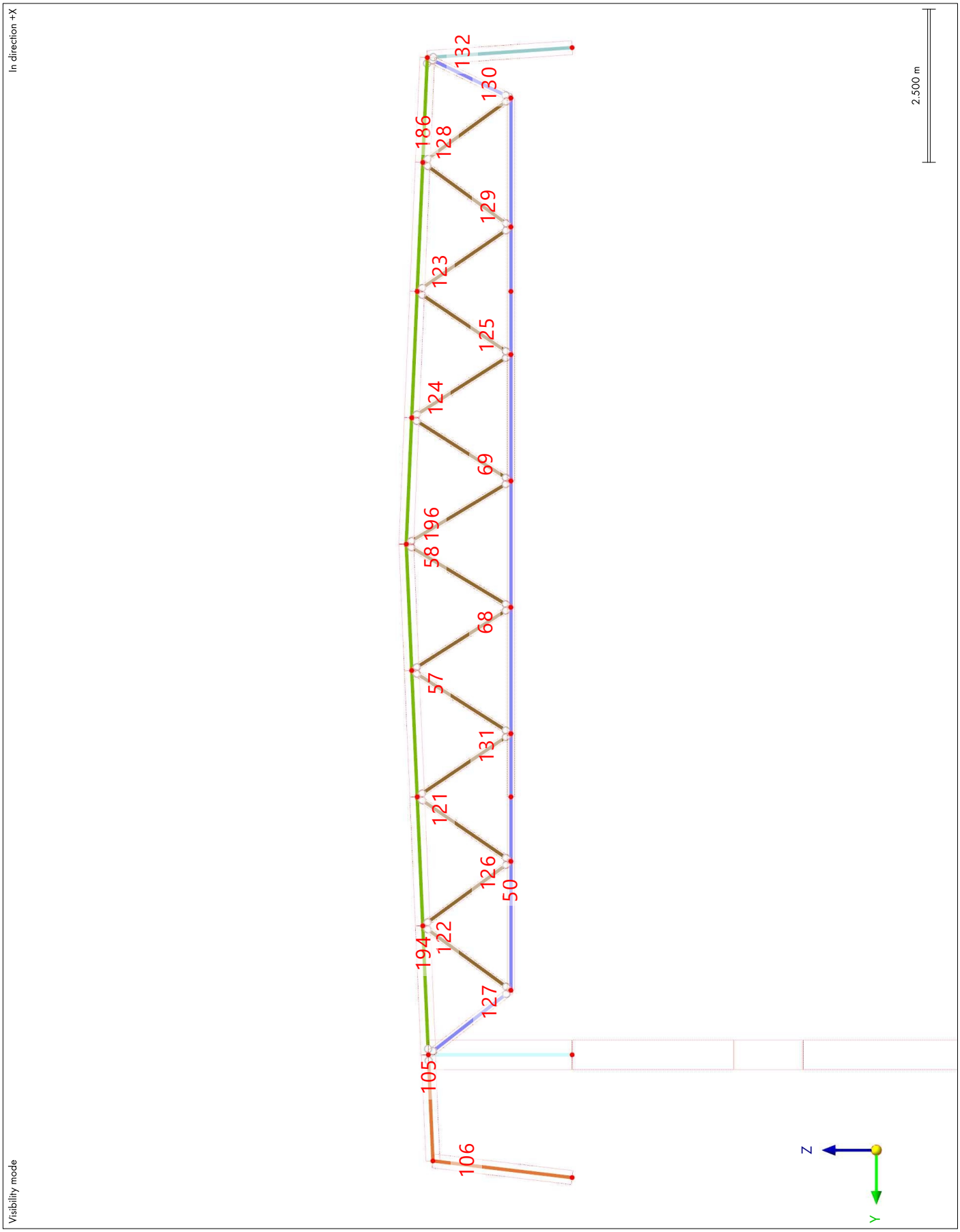
	Object Type	Design All	Objects to Design Selected	To Calculate	Removed	Not Valid / Deact.	Comment
	Members	☐	253,254,286	253,254,286			
	Member Sets	☐	50,57,58,68,69,121 -131,186,194,196	50,57,58,68,69,121 -131,186,194,196			
	Surfaces	☒	1-3,5-12,14-32,35-39,43,50-59,61-74,76-103,106-116				

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	0.655	SP1100.00	Section Proof | Tension acc. to EN 1993-1-1, 6.2.3
	151	0.000		DS1	CO3	0.018	SP3100.02	Section Proof | Shear in z-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	0.065	SP4100.03	Section Proof | Bending about y-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.050		DS1	CO1	0.003	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		1.050		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
	154	1.029		DS1	CO5	0.688	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
	157	0.000		DS1	CO1	0.000	ST2100.00	Stability | Lateral torsional buckling acc. to EN 1993-1-1, 6.3.2
	152	0.000		DS1	CO3	0.066	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	0.477	SE1100.00	Serviceability | Deflections in z-direction
	153	1.029		DS2	CO10	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	CO1	0.003	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.958		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	0.123	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	0.187	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.187	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.191	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	CO6	0.006	SE1200.00	Serviceability | Deflections in y-direction
	194 | Continuous Members | 6759795							
58	194	0.000		DS1	CO4	0.000	SP0100.00	Section Proof | Negligible internal forces
		1.991		DS1	CO2	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
		0.995		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
		0.995		DS1	CO1	0.000	ST2100.00	Stability | Lateral torsional buckling acc. to EN 1993-1-1, 6.3.2
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
		0.995		DS2	CO9	0.006	SE1100.00	Serviceability | Deflections in z-direction
	204 | Continuous Members | 6760203							
68	204	1.915		DS1	CO1	0.000	SP0100.00	Section Proof | Negligible internal forces
		0.000		DS1	CO3	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	CO1	0.003	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.958		DS1	CO2	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	CO2	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	CO1	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	CO1	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	CO8	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.958		DS2	CO6	0.005	SE1200.00	Serviceability | Deflections in y-direction
	205 | Continuous Members | 6760211							
69	205	0.000		DS1	CO5	0.032	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
		0.958		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
		0.958		DS1	CO1	0.000	ST2100.00	Stability | Lateral torsional buckling acc. to EN 1993-1-1, 6.3.2

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
69	205	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	0.273	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	CO1	0.012	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	0.280	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	0.407	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.407	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.416	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	CO10	0.006	SE1100.00	Serviceability | Deflections in z-direction
		0.926		DS2	CO6	0.012	SE1200.00	Serviceability | Deflections in y-direction
	276 | Continuous Members | 6761076							
122	276	0.000		DS1	CO5	0.457	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
		1.778		DS1	CO5	0.459	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	0.662	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.662	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.668	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	CO9	0.005	SE1200.00	Serviceability | Deflections in y-direction
	277 | Continuous Members | 6761084							
123	277	0.000		DS1	CO5	0.306	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	CO1	0.001	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.926		DS1	CO5	0.307	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
		1.853		DS1	CO5	0.306	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	0.456	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.456	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.460	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
	278 | Continuous Members | 6761092							
124	278	0.000		DS1	CO5	0.150	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	CO1	0.002	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.958		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
		0.958		DS1	CO5	0.151	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
		1.915		DS1	CO5	0.150	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	0.229	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.229	ST1300.00	Stability | Flexural buckling about principal z-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
124	278							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	CO6	0.003	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
		1.841		DS1	CO5	0.001	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
		1.841		DS1	CO5	0.165	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
		0.920		DS2	CO9	0.005	SE1100.00	Serviceability | Deflections in z-direction
	280 | Continuous Members | 6761108							
126	280	0.000		DS1	CO5	0.294	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	CO1	0.001	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.889		DS1	CO5	0.295	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	CO2	0.186	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
		0.889		DS1	CO3	0.000	ST2100.00	Stability | Lateral torsional buckling acc. to EN 1993-1-1, 6.3.2
		0.000		DS1	CO1	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
		0.889		DS2	CO10	0.005	SE1100.00	Serviceability | Deflections in z-direction
	281 | Continuous Members | 6761116							
127	281	0.000		DS1	CO5	0.301	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
		0.000		DS1	CO5	0.004	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.853		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	0.305	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	0.005	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
		0.853		DS2	CO8	0.003	SE1100.00	Serviceability | Deflections in z-direction
		0.853		DS2	CO10	0.006	SE1200.00	Serviceability | Deflections in y-direction
	282 | Continuous Members | 6761124							
128	282	0.000		DS1	CO5	0.472	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
		0.889		DS1	CO5	0.474	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	0.684	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.684	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.688	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	0.326	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
		0.889		DS1	CO5	0.328	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
		0.889		DS1	CO1	0.000	ST2100.00	Stability | Lateral torsional buckling acc. to EN 1993-1-1, 6.3.2
		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
129	283	0.889		DS2	CO6	0.005	SE1100.00	Serviceability | Deflections in z-direction
	284 | Continuous Members | 6761140							
130	284	0.000		DS1	CO5	0.273	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
		0.756		DS1	CO5	0.273	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
		0.756		DS1	CO1	0.000	ST2100.00	Stability | Lateral torsional buckling acc. to EN 1993-1-1, 6.3.2
		0.000		DS2	CO6	0.000	SE0100.00	Serviceability | Negligible deflections
	285 | Continuous Members | 6761148							
131	285	0.000		DS1	CO5	0.137	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	CO1	0.011	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	0.143	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	0.008	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	CO6	0.009	SE1200.00	Serviceability | Deflections in y-direction
	272-274,384 | Continuous Members							
186	384	0.000		DS1	CO5	0.349	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
	384	1.030		DS1	CO5	0.420	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	0.382	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.717	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.789	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	0.244	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	0.354	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
	159	1.030		DS1	CO5	0.425	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	0.387	ST1100.00	Stability | Flexural buckling about principal y-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.726	ST1300.00	Stability | Flexural buckling about principal z-axis acc. to EN 1993-1-1, 6.3.1
		0.000		DS1	CO5	0.796	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	0.257	SE1100.00	Serviceability | Deflections in z-direction
		0.000		DS2	CO6	0.002	SE1200.00	Serviceability | Deflections in y-direction
	212 | Continuous Members							
196	212	0.000		DS1	CO4	0.023	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	CO1	0.002	SP5100.03	Section Proof | Bending about z-axis acc. to EN 1993-1-1, 6.2.5 | Plastic design
		0.995		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
		1.991		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

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
196	212	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	CO6	0.006 ✓	SE1100.00	Serviceability | Deflections in z-direction
		0.995		DS2	CO6	0.003 ✓	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

Steel Design

