

NASLOVNA STRAN NAČRTA



GRADBENI INŽENIRING

PODATKI O GRADNJI

naziv gradnje	Varstveno delovni center Kranj - statična kontrola strehe
kratak opis gradnje	Investitor želi namestiti fotovoltaične panele (sončno elektrarno) na obstoječo streho. Namen tega načrta je preveriti ali je streha primerna za omenjeni poseg.
VRSTE GRADNJE	<input type="checkbox"/> NOVOGRADNJA - NOVOZGRAJEN OBJEKT
<i>označiti vse ustrezne vrste gradnje</i>	<input checked="" type="checkbox"/> NOVOGRADNJA - PRIZIDAVA
	<input type="checkbox"/> REKONSTRUKCIJA
	<input type="checkbox"/> SPREMEMBA NAMEMBOSTI
	<input type="checkbox"/> ODSTRANITEV CELOTNEGA OBJEKTA
	<input type="checkbox"/> LEGALIZACIJA
	<input type="checkbox"/> MANJŠA REKONSTRUKCIJA


PODATKI O PROJEKTNi DOKUMENTACIJI

vrsta dokumentacije	PZI
številka projekta	138/2024/GK

PODATKI O NAČRTU

strokovno področje načrta	2 Načrt s področja gradbeništva
naziv načrta	2/1 Načrt gradbenih konstrukcij
številka načrta	138/2024/GK
datum izdelave	11.06.2024
datum spremembe	

PODATKI O PROJEKTANTU NAČRTA

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PRILOGA 2C

IZJAVA PROJEKTANTA NAČRTA IN POOBLAŠČENEGA STOKOVNJAKA, KI JE IZDELAL NAČRT V PZI IN PID



PROJEKTANT NAČRTA

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IN POOBLAŠČENI STROKOVNJAK, KI JE IZDELAL NAČRT

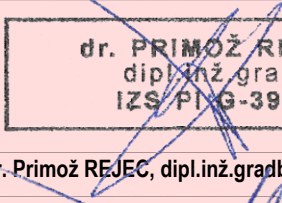


pooblaščen strokovnjak	PI dr. Primož REJEC, dipl.inž.gradb. IZS G-3946
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IZJAVLJAVA:

da načrt

vrsta dokumentacije	PZI - projekt za izvedbo
strokovno področje načrta	2 Načrt s področja gradbeništva
naziv načrta	2/1 Načrt gradbenih konstrukcij
številka načrta	138/2024/GK
datum izdelave	11.06.2024

upošteva relevantne predpise in druge normativne dokumente ter da so upoštevane ustrezne bistvene in druge zahteve.

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podpis odgovorne osebe projektanta načrta	<div><div><div>B-P gradbeni inženiring d.o.o. Vrbno 20, 3230 ŠENTJUR www.bp-ingeniring.com Davčna: SI90618254 Matična: 82000487000</div></div></div>



INVESTITOR:

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PROJEKT:

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PROJEKTIVNO PODJETJE:

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14. junij 2024



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KAZALO VSEBINE NAČRTA

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0. Kazalo tehničnih predpisov in standardov

KAZALO TEHNIČNIH PREDPISOV IN STANDARDOV

SPLOŠNI PRAVILNIKI IN ZAKONI

- Pravilnik o podrobnejši vsebini dokumentacije in obrazcih, povezanih z graditvijo objektov (Uradni list RS, št. [36/18](#), [51/18 – popr.](#) in [197/20](#)).
- Gradbeni zakon (Uradni list RS, št. [61/17](#), [72/17 – popr.](#), [65/20](#) in [15/21](#) – ZDUOP).
- Pravilnik o obliki tehničnih smernic za projektiranje, gradnjo in vzdrževanje objektov (Uradni list RS, št. [54/03](#) in [61/17](#) – GZ).
- Pravilnik o mehanski odpornosti in stabilnosti objektov (Uradni list RS, št. [101/05](#) in [61/17](#) – GZ).
- Pravilnik o zaščiti pred hrupom v stavbah (Uradni list RS, št. [10/12](#) in [61/17](#) – GZ).
- Pravilnik o univerzalni graditvi in uporabi objektov (Uradni list RS, št. [41/18](#)).
- Pravilnik o požarni varnosti v stavbah (Uradni list RS, št. [31/04](#), [10/05](#), [83/05](#), [14/07](#), [12/13](#) in [61/17](#) – GZ)
- Zakon o arhitekturi in inženirski dejavnosti (Uradni list RS, št. [61/17](#)).
- Uredba o graditvi in vzdrževanju zaklonišč (Uradni list RS, št. [57/96](#) in [54/15](#)).
- Pravilnik o zaščiti stavb pred vlago (Uradni list RS, št. [29/04](#) in [61/17](#) – GZ)

NAČRTI SO IZDELANI NA PODLAGI 5. ČLENA PRAVILNIKA O MEHANSKI ODPORNOSTI IN STABILNOSTI OBJEKTOV

SLOVENSKI STANDARDI

- SIST EN 1990 (Osnove projektiranja konstrukcij)
- SIST EN 1991-1-1 (Vplivi na konstrukcije)
- SIST EN 1991-1-2 (Vpliv požara na konstrukcije)
- SIST EN 1991-1-3 (Obtežba snega)
- SIST EN 1991-1-4 (Vpliv vetra)
- SIST 1992-1-1 (Projektiranje betonskih konstrukcij)
- SIST 1992-1-2 (Projektiranje betonskih konstrukcij – projektiranje požarnovarnih konstrukcij)
- SIST 1993-1-1 (projektiranje jeklenih konstrukcij)
- SIST 1993-1-2 (projektiranje jeklenih konstrukcij – požarnoodporne konstrukcij)
- SIST 1993-1-8 (projektiranje jeklenih konstrukcij – Projektiranje spojev)
- SIST 1993-1-9 (projektiranje jeklenih konstrukcij – Utrujanje)
- SIST 1995-1-1 (Projektiranje lesenih konstrukcij)
- SIST 1996-1-1 (Projektiranje zidanih konstrukcij)
- SIST 1997-1 (Geotehnično projektiranje)
- SIST 1998-1 (Projektiranje potresno odpornih konstrukcij)
- SIST EN 1990:2004/A101 (Nacionalni dodatek)
- SIST EN 1991-1-1:2004/A101
- SIST EN 1991-1-2:2004/A101
- SIST EN 1991-1-3:2005/oA101
- SIST EN 1991-1-4:2005/oA101
- SIST EN 1992-1-1:2005/A101
- SIST EN 1993-1-1:2005/A101
- SIST EN 1992-1-1:2005/A101
- SIST EN 1993-1-2:2005/A101
- SIST EN 1993-1-8:2005/A101
- SIST EN 1992-1-9:2005/A101
- SIST EN 1993-1-10:2005/A101
- SIST EN 1994-1-1:2005/A101
- SIST EN 1994-1-2:2006/A101
- SIST EN 1995-1-1:2005/A101
- SIST EN 1997-1:2005/A101
- SIST EN 1998-1:2005/A101
- SIST EN 1998-2:2006/A101
- SIST EN 1998-3:2005/A101
- SIST EN 1998-4:200/A101
- SIST EN 1998-5:2005/A101
- SIST EN 1998-6:2006/A101

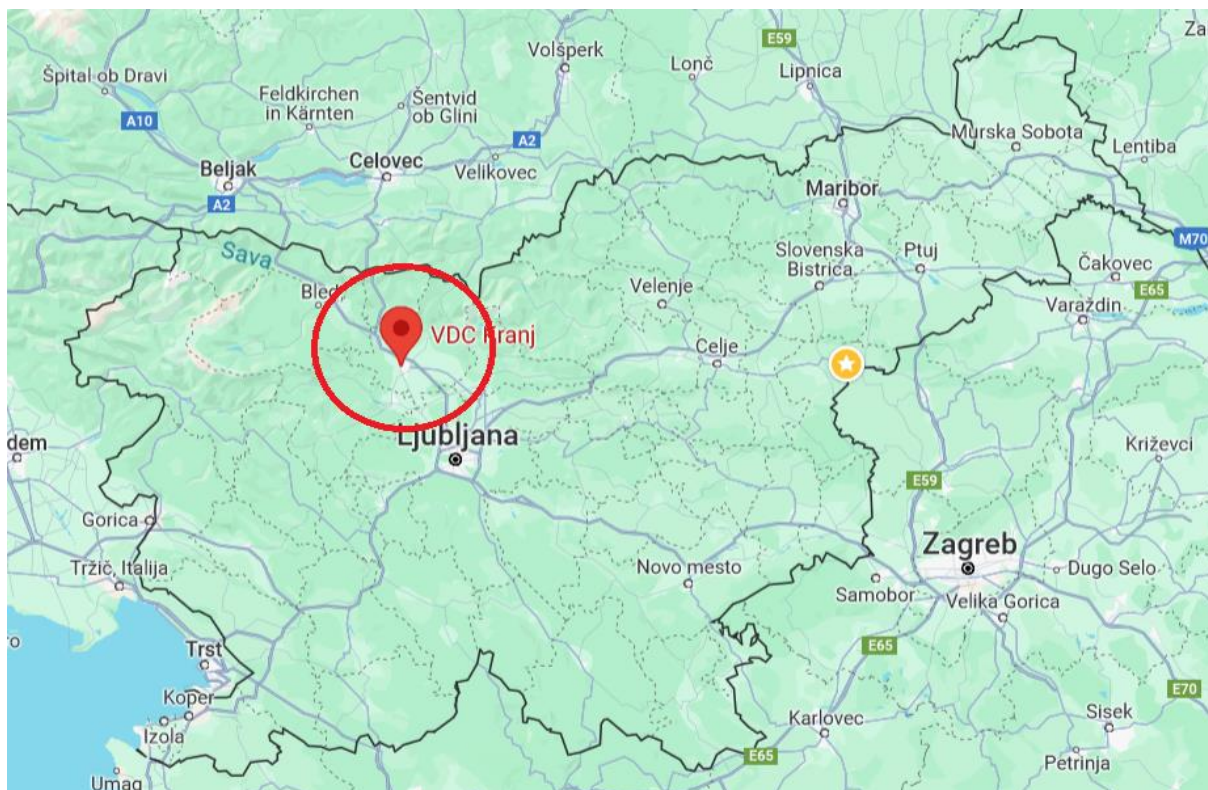
1. PODATKI O OBJEKTU

Splošno

Predvidena je postavitev sončne elektrarne na obstoječo streho in izvedba toplotnega ovoja strehe.

Lokacija nameravane gradnje

Objekt je lociran v kraju Kranj.



Slika 1 - Lokacija gradnje (Vir: Gmaps, 2024)

Podloga za projektiranje

Studio Tržič, d.o.o. PGD in PZI faza – tloris ostrešja.



Tehnični predpisi

Pri izdelavi predložene tehnične dokumentacije je bila upoštevana vsa veljavna tehnična regulativa, ki zajema gradnjo objektov, varovanje okolja, varstvo pri delu, varstvo pred hrupom, varstvo pred požarom in potresom. Upoštevani so tehnični predpisi za področja gradbene mehanike, materialov in izvedbe. Pri obravnavi obtežb, statični in dinamični analizi ter dimenzioniranju so bili upoštevani standardi Eurocode.

Funkcija

Namen gradnje je postavitve sončne elektrarne na obstoječo streho in namestitev toplotnega ovoja.

Oblikovanje

Streha je v tlorisu zasnovana v obliki pravokotnika s tlorisnimi dimenzijami 19,00m x 30,06m. Streha je izvedena iz dveh simetričnih dvokapnic z naklonom -6° . Ostrešje je izvedeno iz lesa C24 kvalitete (vizualna ocena), konstrukcijski elementi so naslednji:

- lege $b/h=14/16\text{cm}$
- špirovci $b/h=10/12\text{cm}$
- sohe $a/b=20/20\text{cm}$.
- diagonale $b/h=20/20\text{cm}$
- sidra za lege M18

Vse dimenzije, prečni prerezi in ostale karakteristike so podani v statičnem izračunu.

1.1. Fotografije obstoječega stanja



Slika 2 - Obstojече leseno ostrešje (Vir: Rejec, 2024)



Slika 3 - Obstojече leseno ostrešje (Vir: Rejec, 2024)



1.2. Statična zasnova objekta in računski model konstrukcije

Pri izdelavi računskega modela konstrukcije smo uporabili projektno dokumentacijo Studio Tržič, d.o.o. PGD in PZI faza – tloris ostrešja.

Statično in dinamično zasnovo in izračune ter vse potrebne analize, smo izvedli s programskim orodjem RFEM6 ter lastno napisanimi računalniškimi programi.

3D statični model konstrukcije je prikazan v predhodnih poglavjih, rezultati statične analize pa so prikazani na koncu tega tehničnega poročila.

Pri statični zasnovi so upoštevani vsi veljavni predpisi v RS.

2. OBTEŽBE NA KONSTRUKCIJO

Lastno težo konstruktivnih elementov upošteva RFEM 6 sam.

Osnovna obtežba

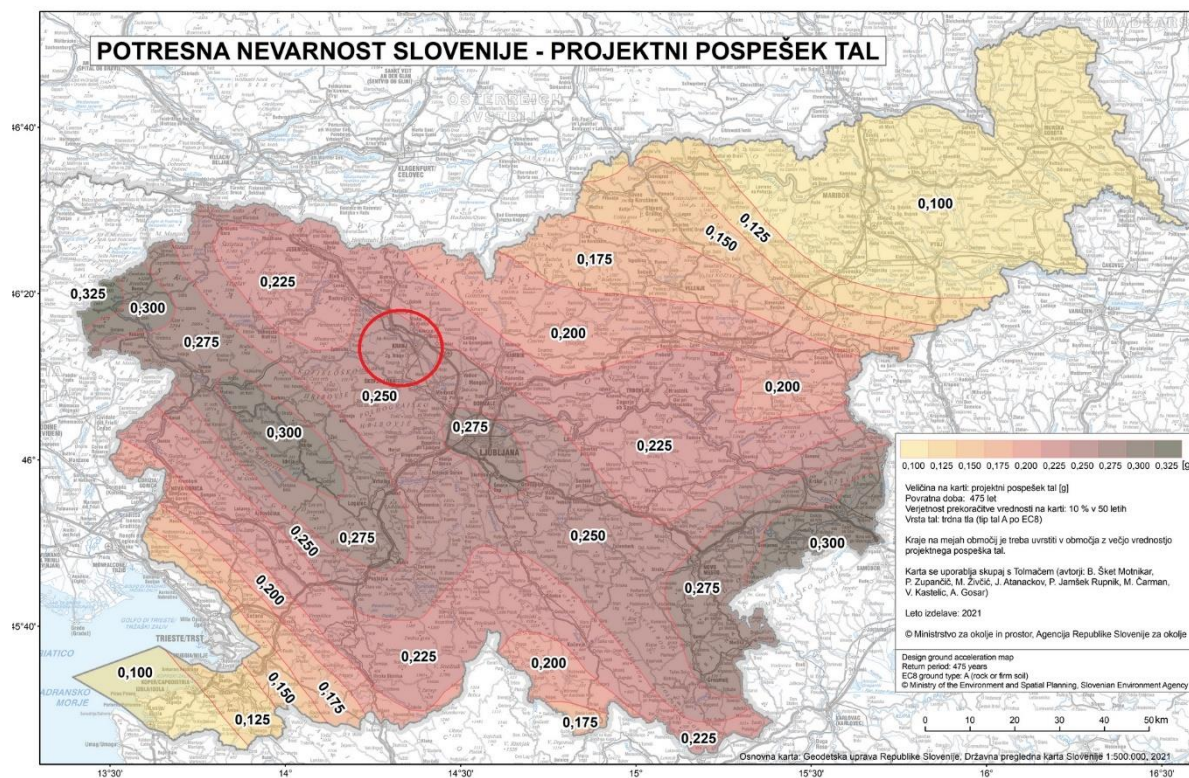
Vertikalno obtežbo predstavljajo stalni vplivi (lastna teža elementov nosilne konstrukcije in teža nenosilnih slojev na horizontalnih in vertikalnih elementih) ter spremenljivi vplivi (obtežba snega, vetra in koristne obtežbe). Stalni vplivi so določeni na osnovi podatkov iz načrta arhitekture, kjer so podane sestave strehe, tlakov in sten. Koristne obtežbe so določene v skladu s standardom Evrokod.

Dopolnilna obtežba

Vpliv temperaturnih sprememb in krčenja betona je v analizi konstrukcije opuščen, kajti razsežnost objekta zagotavlja relativno majhne vplive, ki jih dodatno zmanjšuje pričakovana kontinuirna gradnja. Velikostni red teh vplivov je manjši, kot so dopustna povečanja nosilnosti elementov pri obravnavi skupnega učinkovanja osnovnih in dopolnilnih obtežb.

Izredna obtežba - Potres

Izredno obtežbo predstavlja potres. Objekt je po pregledni karti ARSO lociran v potresni coni s projektnim pospeškom temeljnih tal **$a_g = 0,250\text{ g}$** . Konstrukcija je analizirana v pogojih vzbujanja s seizmičnimi pospeški. Kategorija pomena objekta je II (Objekti, ki ne pripadajo drugim kategorijam). V analizi je upoštevan **tip tal C**. V primeru drugačnih pogojev na terenu nujno kontaktirati odg. projektanta gradbenih konstrukcij.



Slika 4: Projektni pospešek tal (Vir: Arso, 2024)

2.1.1. Lastna teža konstruktivnih elementov

Program RFEM 6 samodejno upošteva lastno težo konstruktivnih elementov (plošče, stebri, nosilci ...).

2.1.2. Lastna teža kritine

* Po izvedeni rekonstrukciji

material	Deb.	prost.teža kN/m3	kN/m2
Sončna elektrarna (fotovoltaika)	/	/	0,30
Kovinska kritina	/	/	0,10
Deskanje	0,05	5,50	0,275
Kamena volna	0,30	0,50	0,15
Spuščen strop (GK)	/	/	0,30
SKUPAJ			1,13

2.1.3. Obtežba snega

Upoštevana je obtežba snega na objektu v skladu s SIST EN 1991-1-3. Nadmorska višina na mestu predvidene gradnje je **388,00 m**. Območje spada v **2. alpsko regijo**. Upoštevan je redukcijski faktor (glej izračun v nadaljevanju).

Za trajna/začasna projektna stanja:

$$s = \mu_i C_e C_t S_k \quad \text{SIST EN 1991-1-3, str. 13}$$

kjer so:

μ_i oblikovni koeficient obtežbe snega (glej 5.3 in dodatek B)

S_k karakteristična obtežba snega na tleh

S_{Ad} projektna vrednost izjemne obtežbe snega na tleh v določenem kraju (glej 4.3)

C_e koeficient izpostavljenosti

C_t toplotni koeficient

Oblikovni koeficient obtežbe snega: SIST EN 1991-1-3, str. 15

Preglednica 5.2: Oblikovna koeficienta obtežbe snega

Nagib strehe α	$0^\circ \leq \alpha \leq 30^\circ$	$30^\circ < \alpha < 60^\circ$	$\alpha \geq 60^\circ$
μ_1	0,8	$0,8(60 - \alpha)/30$	0,0
μ_2	$0,8 + 0,8 \alpha / 30$	1,6	--

Izračunam $\mu_i = 0,80$

$$C_e = 1$$

$$C_t = 1$$

$$S_k = 1,293 * [1 + (\frac{A}{728})^2]$$

$$S_k = 1,293 * [1 + (\frac{388}{728})^2]$$

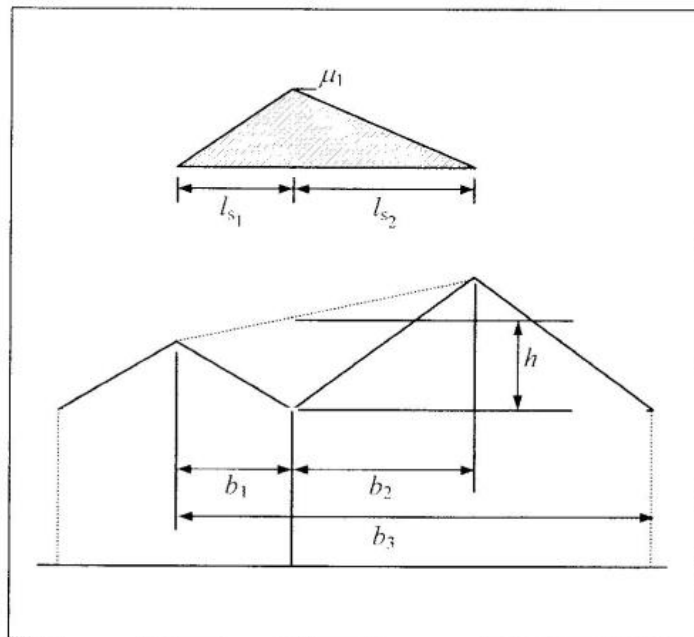
$$S_k = 1,66 \text{ kN/m}^2$$

$$S_d = 1,66 * 1,50 = 2,49 \text{ kN/m}^2$$

Kopičenje snega v večladijskih strehah

B.2 Večladijske strehe

- (1) Oblikovni koeficient obtežbe snega pri izjemnem kopičenju, ki se uporablja za doline večladijskih streh, je prikazan na sliki B1 in podan v B.2(2).



Slika B1: Oblikovni koeficient in dolžine nanosov pri izjemnem kopičenju snega v dolinah večladijskih streh

- (2) Oblikovni koeficient, prikazan na sliki B1, je določen kot najmanjša vrednost med:

$$\mu_1 = 2h/l_{sk}$$

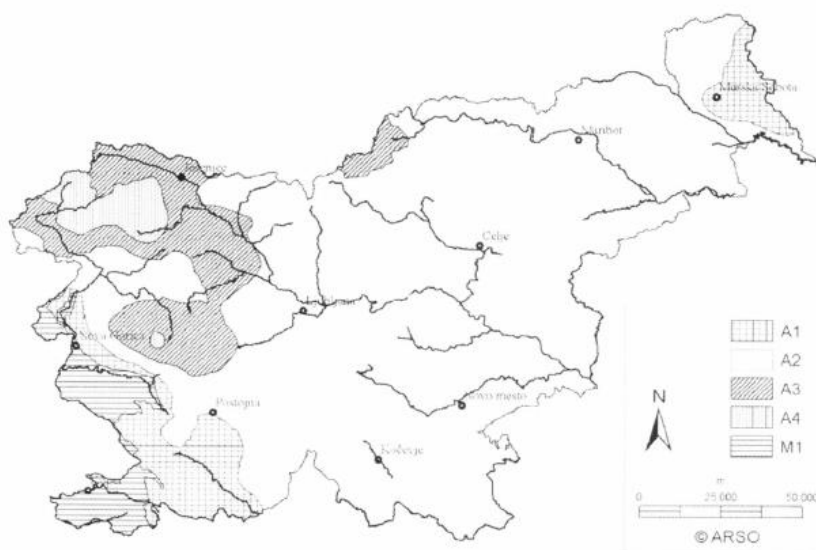
$$\mu_1 = 2b_3/(l_{s1} + l_{s2})$$

$$\mu_1 = 5$$

dolžini nanosov sta:

$$l_{s1} = b_1, l_{s2} = b_2$$

$$\mu_{11} = 2 \cdot 1,25\text{m} / 1,66 = 1,50$$



$$A1 \quad s_k = 0,651 \left[1 + \left(\frac{A}{728} \right)^2 \right]$$

$$A2 \quad s_k = 1,293 \left[1 + \left(\frac{A}{728} \right)^2 \right]$$

$$A3 \quad s_k = 1,935 \left[1 + \left(\frac{A}{728} \right)^2 \right]$$

$$A4 \quad s_k = 2,577 \left[1 + \left(\frac{A}{728} \right)^2 \right]$$

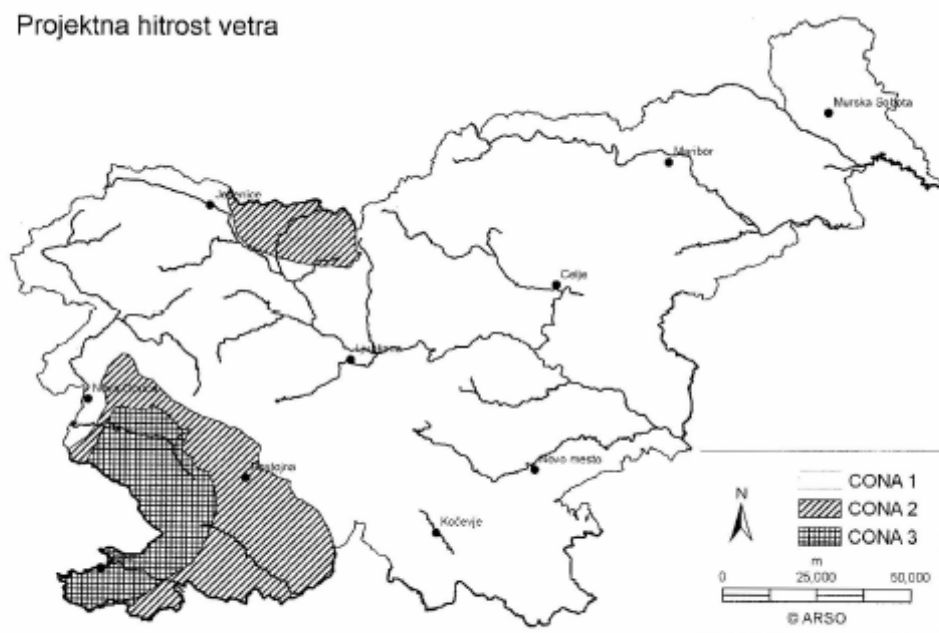
$$M1 \quad s_k = 0,289 \left[1 + \left(\frac{A}{452} \right)^2 \right]$$

V 1. alpski coni se upošteva najmanj $1,2 \text{ kN/m}^2$.

Slika 1: Obtežba snega na tleh na nadmorski višini $A = 0 \text{ m}$

Slika 5: Obtežba snega na tleh nadmorske višine $A=0\text{m}$

2.1.4. Obtežba vetra



Hitrosti vetra:

Cona 1 (večina Slovenije):

20 m/s pod 800m
25 m/s od 800 m do 1600 m
30 m/s od 1600 m do 2000 m
40 m/s nad 2000 m

Cona 2 (Trnovski gozd, Notranjska, Karavanke):

25m/s pod 1600 m
30 m/s od 1600 do 2000 m
40 m/s nad 2000 m

Cona 3 (Primorje, Kras in del Vipavske doline):

30 m/s

Slika 6: Mikrolokacija objekta za določitev temeljne hitrosti vetra

Upoštevano avtomatsko v RFEM 6.

2.1.5. Koristna obtežba

V skladu s SIST EN 1991-1-1 upoštevam razred H – strehe dostopne le za normalno vzdrževanje in popravila.

Preglednica 6.9: Kategorije streh

Kategorije obteženih površin	Opis uporabe
H	Strehe, dostopne le za normalno vzdrževanje in popravila
I	Strehe, dostopne za uporabo v skladu s kategorijami A do D
K	Strehe, dostopne za posebne namene, kot je pristajanje s helikopterjem

Preglednica 6.10: Koristne obtežbe streh kategorije H

Streha	q_k [kN/m ²]	Q_k [kN]
kategorija H	q_k	Q_k
<p>OPOMBA 1: Za kategorijo H se lahko za q_k izberejo vrednosti med 0,0 in 1,0 kN/m², za Q_k pa med 0,9 in 1,5 kN. Kjer je dan razpon vrednosti, je lahko v nacionalnem dodatku določena ena vrednost. Priporočeni vrednosti sta $q_k = 0,4$ kN/m² in $Q_k = 1,0$ kN.</p> <p>OPOMBA 2: q_k se lahko spreminja glede na naklon strehe, kar je določeno v nacionalnem dodatku.</p> <p>OPOMBA 3: q_k deluje na površini A, ki je določena v nacionalnem dodatku. Priporočena površina je 10 m², mogoče pa jo je določiti v razponu od 0 do celotne površine strehe.</p> <p>OPOMBA 4: Glej tudi 3.3.2(1).</p>		

Slika 7: Koristna obtežba na strehah



2.1.6. Potresna obtežba

Izvedli smo modalno analizo s spektri odziva. Rezultati so prikazani v posameznih izpisih statike (RFEM, Amquake).

2.2. Požarna odpornost konstrukcije

Požarno odpornost konstrukcije je treba zagotoviti z ustreznimi dimenzijami konstruktivnih elementov oz. požarnim premazom. Izvajalec mora pripraviti elaborat požarne zaščite, ki ga potrdi odgovorni projektant gradbenih konstrukcij.

2.3. Izvedba del in nadzor nad opravljenimi deli

Investitor je med gradnjo objekta dolžan zagotoviti strokovni nadzor in kontrolo izdelave z vsemi ustreznimi meritvami vgrajenega materiala po veljavnih predpisih in standardih. Izvajalec je dolžan pred pričetkom gradnje izdelati elaborat postopka gradnje, vključno z vsemi varstvenimi ukrepi. Med gradnjo mora voditi vso po veljavnih predpisih zahtevano dokumentacijo, ki se nanaša na dokazovanje kvalitete vgrajenih materialov in tehnoloških postopkov posameznih faz gradnje. Vsi vgrajeni produkti morajo imeti ustrezna tehnična soglasja oz. certifikate. Ves vgrajen, dodajni in spojni material mora biti opremljen v skladu z Zakonom o gradbenih proizvodih (ZGPro) oziroma Direktivo EU o gradbenih proizvodih (DGP), z izjavami o skladnosti proizvoda oz. certifikati o skladnosti proizvoda in mora biti vgrajen po veljavnih predpisih in standardih. Pri delu je potrebno upoštevati ustrezne predpise iz varstva pri delu.

Dokumenti morajo biti pregledani s strani strokovnega nadzora investitorja!



2.4. Uporabljena programska oprema

Statična in dinamična zasnova – RFEM 6.

Preračun spojev – APF Wood joint.

Preračun sider – Hilti profis.

Vsa uporabljena programska oprema je originalna in last podjetja B-P gradbeni inženiring, d. o. o.



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MODEL



Structural Analysis

CLIENT

VDC Kranj, d.o.o.

Kidričeva cesta 51
4000 Kranj

CREATED BY

PI dr. Primož REJEC, dipl.inž.gradb. IZS G-3946

PROJECT

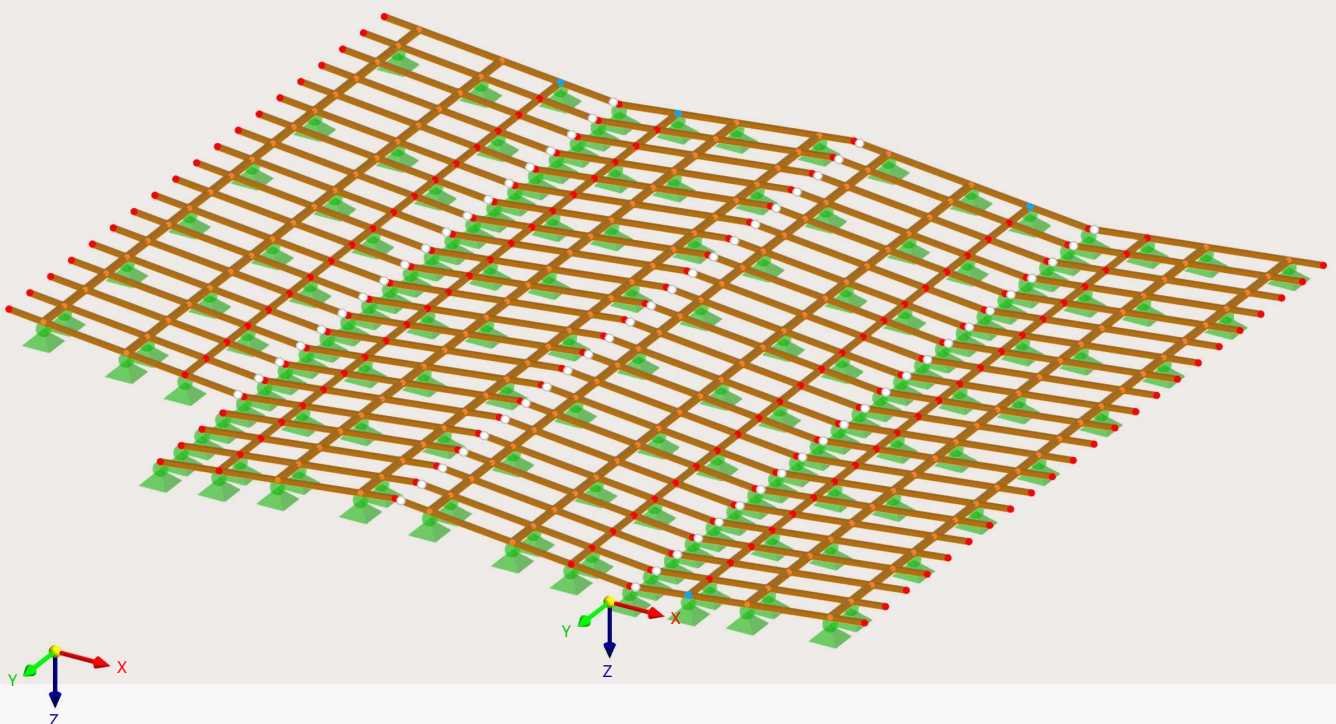
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MODEL

In Axonometric Direction





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MODEL





A MODEL - LOCATION

Location 	Country	: Slovenia
	Street	: Slovenski trg
	Zip / Postal code	: 4000
	City	: Kranj
	State	:
	Latitude	: 46.243 deg
	Longitude	: 14.355 deg
	Altitude	: 397.000 m

1 Basic Objects

1.1 MATERIALS

Legend
 Stiffness modification

Material No.	Material Name	Material Type	Analysis Model	Options
4	 C24 Isotropic Linear Elastic	 Timber	 Isotropic Linear Elastic	



1.2 MODEL, IN AXONOMETRIC DIRECTION

Visibility mode

In Axonometric Direction

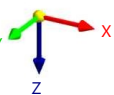
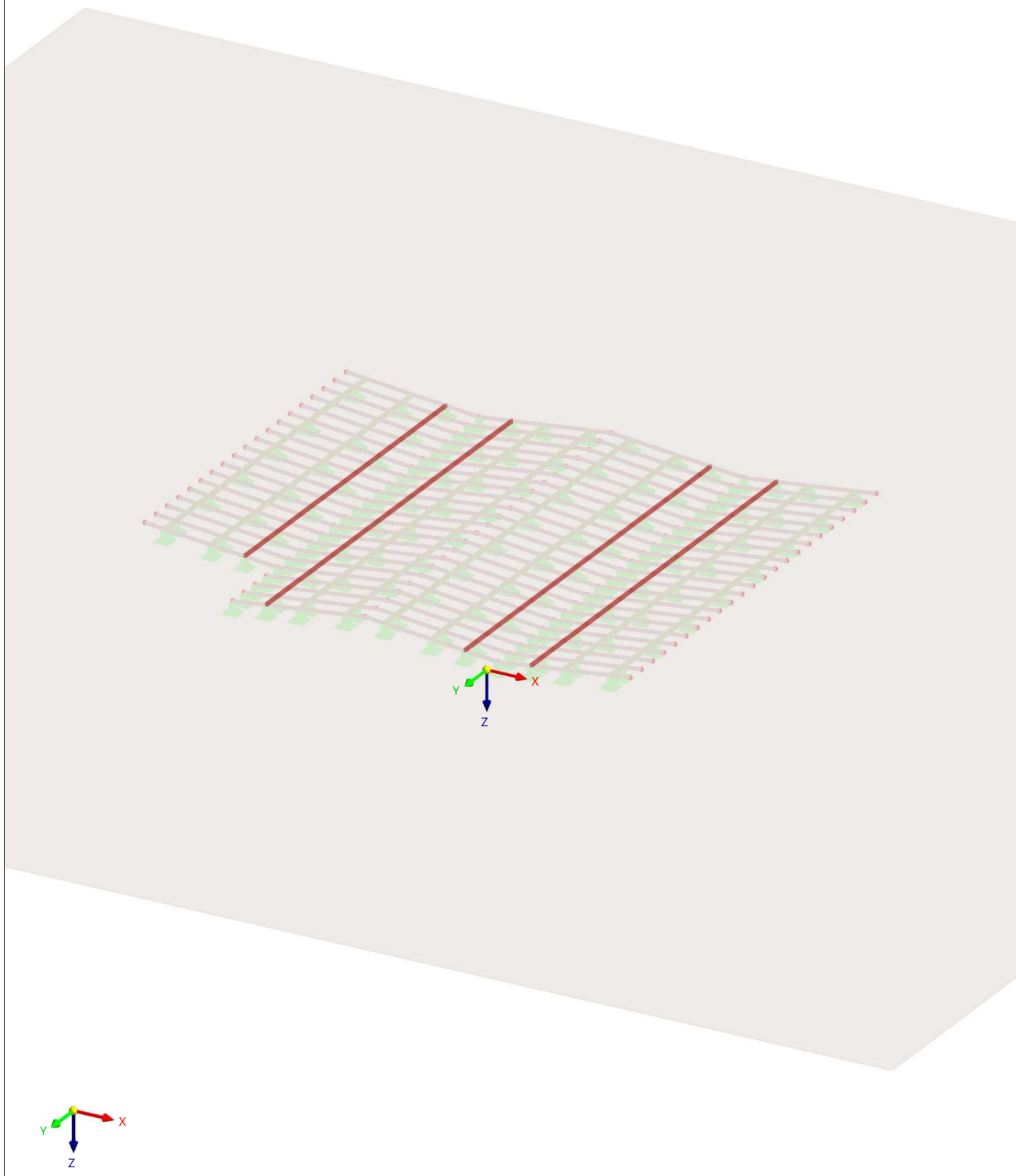
Colors of Rendered Objects

Node | Display Properties

Line | Display Properties

Member | Section

■ 5 - R_M1 120/140



1.3 MODEL, IN AXONOMETRIC DIRECTION

Visibility mode

In Axonometric Direction

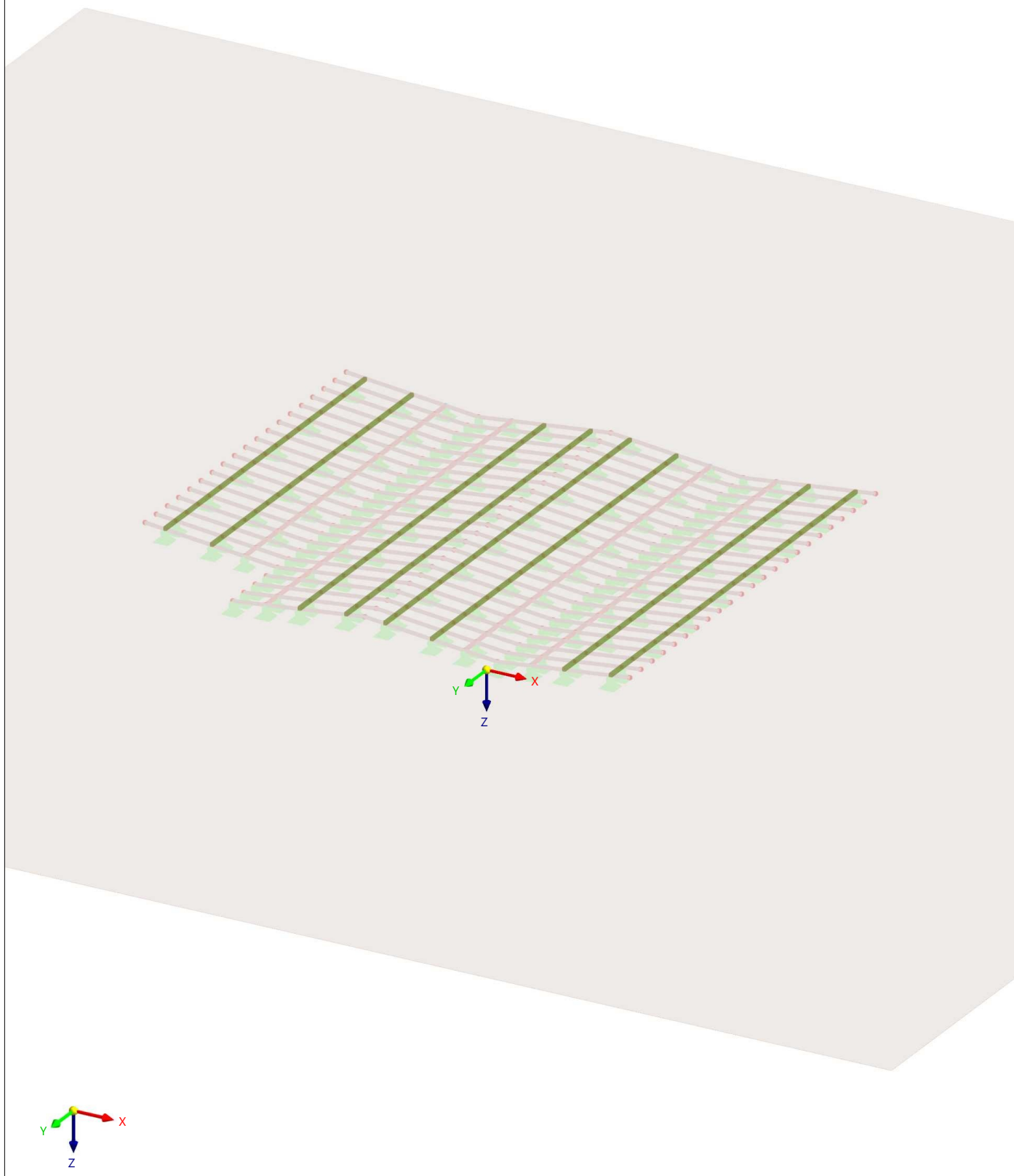
Colors of Rendered Objects

Node | Display Properties

Line | Display Properties

Member | Section

■ 4 - R_M1 140/160





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MODEL

1.4

MODEL, IN AXONOMETRIC DIRECTION

Visibility mode

In Axonometric Direction

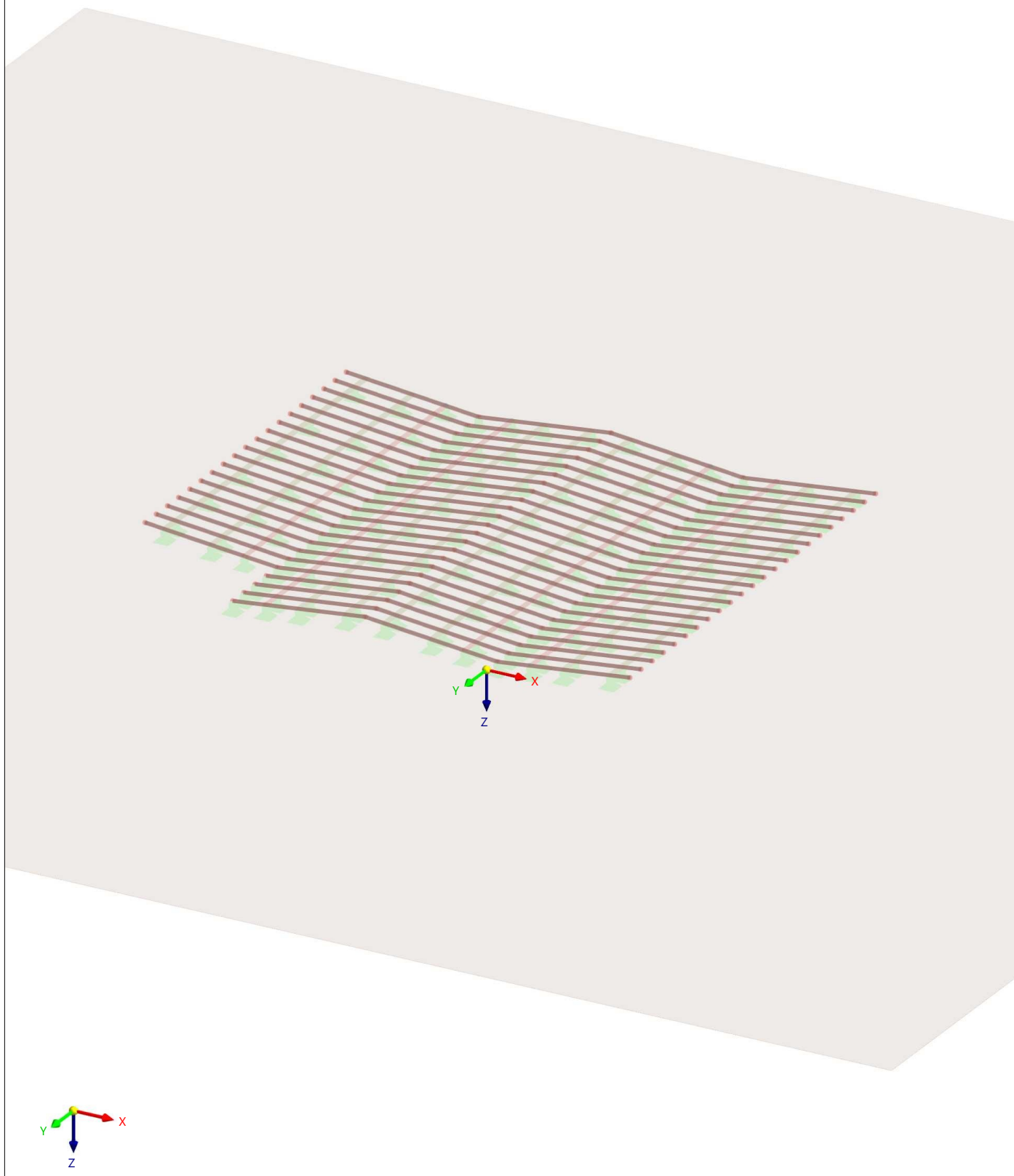
Colors of Rendered Objects

Node | Display Properties

Line | Display Properties

Member | Section

■ 3 - R_M1 100/120





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MODEL

1.5

SECTIONS

R_M1
100/120R_M1
140/160R_M1
120/140

Section No.	Material No.	Section Type	Manufacturing Type	I _x [cm ⁴] A [cm ²]	I _y [cm ⁴] A _y [cm ²]	I _z [cm ⁴] A _z [cm ²]	Overall Dimensions b [mm] h [mm]	
3	4	R_M1 100/120 4 - C24 Parametric - Massive I		1984.39	1440.00	1000.00	100.0	120.0
				120.00	100.00	100.00		
4	4	R_M1 140/160 4 - C24 Parametric - Massive I		6961.38	4778.67	3658.67	140.0	160.0
				224.00	186.67	186.67		
5	4	R_M1 120/140 4 - C24 Parametric - Massive I		3905.31	2744.00	2016.00	120.0	140.0
				168.00	140.00	140.00		

1.6

THICKNESSES

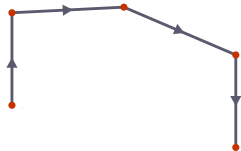
Thick. No.	Type	Assigned to Surface No.	Material	Symbol	Thickness Value Unit		Nodes	Direction
1	Uniform d : 250.0 mm		??	d	250.0	mm		
	Uniform							
2	Uniform d : 250.0 mm		??	d	250.0	mm		
	Uniform							

1.7

LINES

Legend
Member
Nodes on Line

Polyline



Line No.	Line Type	Nodes No.	Line Length L [m]	Position	Options	Comment
1	Polyline	1,2	6.800	XZ		
2	Polyline	4,1	6.800	XZ		
3	Polyline	6,4	6.800	XZ		
5	Polyline	9,10	6.800	XZ		
6	Polyline	11,9	6.800	XZ		
7	Polyline	12,11	6.800	XZ		
9	Polyline	14,15	6.800	XZ		
10	Polyline	16,14	6.800	XZ		
11	Polyline	17,16	6.800	XZ		
13	Polyline	19,20	6.800	XZ		
14	Polyline	21,19	6.800	XZ		
15	Polyline	22,21	6.800	XZ		
17	Polyline	24,25	6.800	XZ		
18	Polyline	26,24	6.800	XZ		
19	Polyline	27,26	6.800	XZ		
20	Polyline	28,27	6.800	XZ		
21	Polyline	29,30	6.800	XZ		
22	Polyline	31,29	6.800	XZ		
23	Polyline	32,31	6.800	XZ		
24	Polyline	33,32	6.800	XZ		
25	Polyline	34,35	6.800	XZ		
26	Polyline	36,34	6.800	XZ		
27	Polyline	37,36	6.800	XZ		
28	Polyline	38,37	6.800	XZ		
29	Polyline	39,40	6.800	XZ		
30	Polyline	41,39	6.800	XZ		
31	Polyline	42,41	6.800	XZ		
32	Polyline	43,42	6.800	XZ		
33	Polyline	44,45	6.800	XZ		
34	Polyline	46,44	6.800	XZ		
35	Polyline	47,46	6.800	XZ		
36	Polyline	48,47	6.800	XZ		
37	Polyline	49,50	6.800	XZ		
38	Polyline	51,49	6.800	XZ		
39	Polyline	52,51	6.800	XZ		
40	Polyline	53,52	6.800	XZ		
41	Polyline	54,55	6.800	XZ		
42	Polyline	56,54	6.800	XZ		
43	Polyline	57,56	6.800	XZ		
44	Polyline	58,57	6.800	XZ		
45	Polyline	59,60	6.800	XZ		
46	Polyline	61,59	6.800	XZ		
47	Polyline	62,61	6.800	XZ		
48	Polyline	63,62	6.800	XZ		
49	Polyline	64,65	6.800	XZ		
50	Polyline	66,64	6.800	XZ		



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LINES

Line No.	Line Type	Nodes No.	Line Length L [m]	Position	Options	Comment
51	Polyline	67,66	6.800	XZ		
52	Polyline	68,67	6.800	XZ		
53	Polyline	69,70	6.800	XZ		
54	Polyline	71,69	6.800	XZ		
55	Polyline	72,71	6.800	XZ		
56	Polyline	73,72	6.800	XZ		
57	Polyline	74,75	6.800	XZ		
58	Polyline	76,74	6.800	XZ		
59	Polyline	77,76	6.800	XZ		
60	Polyline	78,77	6.800	XZ		
61	Polyline	79,80	6.800	XZ		
62	Polyline	81,79	6.800	XZ		
63	Polyline	82,81	6.800	XZ		
64	Polyline	83,82	6.800	XZ		
65	Polyline	84,85	6.800	XZ		
66	Polyline	86,84	6.800	XZ		
67	Polyline	87,86	6.800	XZ		
68	Polyline	88,87	6.800	XZ		
69	Polyline	89,90	6.800	XZ		
70	Polyline	91,89	6.800	XZ		
71	Polyline	92,91	6.800	XZ		
72	Polyline	93,92	6.800	XZ		
73	Polyline	94,95	6.800	XZ		
74	Polyline	96,94	6.800	XZ		
75	Polyline	97,96	6.800	XZ		
76	Polyline	98,97	6.800	XZ		
77	Polyline	99,100	6.800	XZ		
78	Polyline	101,99	6.800	XZ		
79	Polyline	102,101	6.800	XZ		
80	Polyline	103,102	6.800	XZ		
81	Polyline	104,105	6.800	XZ		
82	Polyline	106,104	6.800	XZ		
83	Polyline	107,106	6.800	XZ		
84	Polyline	108,107	6.800	XZ		
85	Polyline	109,110	6.800	XZ		
86	Polyline	111,109	6.800	XZ		
87	Polyline	112,111	6.800	XZ		
88	Polyline	113,112	6.800	XZ		
89	Polyline	114,115	6.800	XZ		
90	Polyline	116,114	6.800	XZ		
91	Polyline	117,116	6.800	XZ		
92	Polyline	118,117	6.800	XZ		
117	Polyline	126,127	1.030	Y		
118	Polyline	127,128	1.030	Y		
119	Polyline	128,129	1.030	Y		
120	Polyline	129,130	1.030	Y		
121	Polyline	130,131	1.030	Y		
122	Polyline	131,132	1.030	Y		
123	Polyline	132,133	1.030	Y		
124	Polyline	133,134	1.030	Y		
125	Polyline	134,135	1.030	Y		
126	Polyline	135,136	1.030	Y		
127	Polyline	136,137	1.030	Y		
128	Polyline	137,138	1.030	Y		
129	Polyline	138,139	1.030	Y		
130	Polyline	139,140	1.030	Y		
131	Polyline	140,141	1.030	Y		
132	Polyline	141,142	1.030	Y		
133	Polyline	142,143	1.030	Y		
134	Polyline	143,144	1.030	Y		
135	Polyline	144,145	1.030	Y		
136	Polyline	145,146	1.030	Y		
137	Polyline	146,147	1.030	Y		
138	Polyline	147,148	1.030	Y		
139	Polyline	168,170	1.030	Y		
140	Polyline	170,171	1.030	Y		
141	Polyline	171,172	1.030	Y		
142	Polyline	172,173	1.030	Y		
143	Polyline	173,174	1.030	Y		
144	Polyline	174,175	1.030	Y		
145	Polyline	175,176	1.030	Y		
146	Polyline	176,177	1.030	Y		
147	Polyline	177,178	1.030	Y		
148	Polyline	178,179	1.030	Y		
149	Polyline	179,180	1.030	Y		
150	Polyline	180,181	1.030	Y		
151	Polyline	181,182	1.030	Y		



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LINES

Line No.	Line Type	Nodes No.	Line Length L [m]	Position	Options	Comment
152	Polyline	182,183	1.030	Y		
153	Polyline	183,184	1.030	Y		
154	Polyline	184,185	1.030	Y		
155	Polyline	185,186	1.030	Y		
156	Polyline	186,187	1.030	Y		
157	Polyline	187,188	1.030	Y		
158	Polyline	188,189	1.030	Y		
159	Polyline	189,190	1.030	Y		
160	Polyline	190,169	1.030	Y		
161	Polyline	191,193	1.030	Y		
162	Polyline	193,194	1.030	Y		
163	Polyline	194,195	1.030	Y		
164	Polyline	195,196	1.030	Y		
165	Polyline	196,197	1.030	Y		
166	Polyline	197,198	1.030	Y		
167	Polyline	198,199	1.030	Y		
168	Polyline	199,200	1.030	Y		
169	Polyline	200,201	1.030	Y		
170	Polyline	201,202	1.030	Y		
171	Polyline	202,203	1.030	Y		
172	Polyline	203,204	1.030	Y		
173	Polyline	204,205	1.030	Y		
174	Polyline	205,206	1.030	Y		
175	Polyline	206,207	1.030	Y		
176	Polyline	207,208	1.030	Y		
177	Polyline	208,209	1.030	Y		
178	Polyline	209,210	1.030	Y		
179	Polyline	210,211	1.030	Y		
180	Polyline	211,212	1.030	Y		
181	Polyline	212,213	1.030	Y		
182	Polyline	213,192	1.030	Y		
183	Polyline	214,216	1.030	Y		
184	Polyline	216,217	1.030	Y		
185	Polyline	217,218	1.030	Y		
186	Polyline	218,219	1.030	Y		
187	Polyline	219,220	1.030	Y		
188	Polyline	220,221	1.030	Y		
189	Polyline	221,222	1.030	Y		
190	Polyline	222,223	1.030	Y		
191	Polyline	223,224	1.030	Y		
192	Polyline	224,225	1.030	Y		
193	Polyline	225,226	1.030	Y		
194	Polyline	226,227	1.030	Y		
195	Polyline	227,228	1.030	Y		
196	Polyline	228,229	1.030	Y		
197	Polyline	229,230	1.030	Y		
198	Polyline	230,231	1.030	Y		
199	Polyline	231,232	1.030	Y		
200	Polyline	232,233	1.030	Y		
201	Polyline	233,234	1.030	Y		
202	Polyline	234,235	1.030	Y		
203	Polyline	235,236	1.030	Y		
204	Polyline	236,215	1.030	Y		
205	Polyline	237,239	1.030	Y		
206	Polyline	239,240	1.030	Y		
207	Polyline	240,241	1.030	Y		
208	Polyline	241,242	1.030	Y		
209	Polyline	242,243	1.030	Y		
210	Polyline	243,244	1.030	Y		
211	Polyline	244,245	1.030	Y		
212	Polyline	245,246	1.030	Y		
213	Polyline	246,247	1.030	Y		
214	Polyline	247,248	1.030	Y		
215	Polyline	248,249	1.030	Y		
216	Polyline	249,250	1.030	Y		
217	Polyline	250,251	1.030	Y		
218	Polyline	251,252	1.030	Y		
219	Polyline	252,253	1.030	Y		
220	Polyline	253,254	1.030	Y		
221	Polyline	254,255	1.030	Y		
222	Polyline	255,256	1.030	Y		
223	Polyline	256,257	1.030	Y		
224	Polyline	257,258	1.030	Y		
225	Polyline	258,259	1.030	Y		
226	Polyline	259,238	1.030	Y		
227	Polyline	260,262	1.030	Y		
228	Polyline	262,263	1.030	Y		



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MODEL

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LINES

Line No.	Line Type	Nodes No.	Line Length L [m]	Position	Options	Comment
229	Polyline	263,264	1.030	Y		
230	Polyline	264,265	1.030	Y		
231	Polyline	265,266	1.030	Y		
232	Polyline	266,267	1.030	Y		
233	Polyline	267,268	1.030	Y		
234	Polyline	268,269	1.030	Y		
235	Polyline	269,270	1.030	Y		
236	Polyline	270,271	1.030	Y		
237	Polyline	271,272	1.030	Y		
238	Polyline	272,273	1.030	Y		
239	Polyline	273,274	1.030	Y		
240	Polyline	274,275	1.030	Y		
241	Polyline	275,276	1.030	Y		
242	Polyline	276,277	1.030	Y		
243	Polyline	277,278	1.030	Y		
244	Polyline	278,279	1.030	Y		
245	Polyline	279,280	1.030	Y		
246	Polyline	280,281	1.030	Y		
247	Polyline	281,282	1.030	Y		
248	Polyline	282,281	1.030	Y		
249	Polyline	283,285	1.030	Y		
250	Polyline	285,286	1.030	Y		
251	Polyline	286,287	1.030	Y		
252	Polyline	287,288	1.030	Y		
253	Polyline	288,289	1.030	Y		
254	Polyline	289,290	1.030	Y		
255	Polyline	290,291	1.030	Y		
256	Polyline	291,292	1.030	Y		
257	Polyline	292,293	1.030	Y		
258	Polyline	293,294	1.030	Y		
259	Polyline	294,295	1.030	Y		
260	Polyline	295,296	1.030	Y		
261	Polyline	296,297	1.030	Y		
262	Polyline	297,298	1.030	Y		
263	Polyline	298,299	1.030	Y		
264	Polyline	299,300	1.030	Y		
265	Polyline	300,301	1.030	Y		
266	Polyline	301,284	1.030	Y		
267	Polyline	149,150	1.030	Y		
268	Polyline	150,151	1.030	Y		
269	Polyline	151,152	1.030	Y		
270	Polyline	152,153	1.030	Y		
271	Polyline	153,154	1.030	Y		
272	Polyline	154,155	1.030	Y		
273	Polyline	155,156	1.030	Y		
274	Polyline	156,157	1.030	Y		
275	Polyline	157,158	1.030	Y		
276	Polyline	158,159	1.030	Y		
277	Polyline	159,160	1.030	Y		
278	Polyline	160,161	1.030	Y		
279	Polyline	161,162	1.030	Y		
280	Polyline	162,163	1.030	Y		
281	Polyline	163,164	1.030	Y		
282	Polyline	164,165	1.030	Y		
283	Polyline	165,166	1.030	Y		
284	Polyline	166,167	1.030	Y		
294	Polyline	326,327	1.030	Y		
295	Polyline	327,328	1.030	Y		
296	Polyline	328,329	1.030	Y		
297	Polyline	329,330	1.030	Y		
298	Polyline	330,331	1.030	Y		
299	Polyline	331,332	1.030	Y		
300	Polyline	332,333	1.030	Y		
301	Polyline	333,334	1.030	Y		
302	Polyline	334,335	1.030	Y		
303	Polyline	335,336	1.030	Y		
304	Polyline	336,337	1.030	Y		
305	Polyline	337,338	1.030	Y		
306	Polyline	338,339	1.030	Y		
307	Polyline	339,340	1.030	Y		
308	Polyline	340,341	1.030	Y		
309	Polyline	341,342	1.030	Y		
310	Polyline	342,343	1.030	Y		
311	Polyline	343,344	1.030	Y		
312	Polyline	344,345	1.030	Y		
313	Polyline	345,346	1.030	Y		
314	Polyline	346,347	1.030	Y		





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LINES

Line No.	Line Type	Nodes No.	Line Length L [m]	Position	Options	Comment
315	Polyline	347,348	1.030	Y		
316	Polyline	372,350	1.030	Y		
317	Polyline	350,351	1.030	Y		
318	Polyline	351,352	1.030	Y		
319	Polyline	352,353	1.030	Y		
320	Polyline	353,354	1.030	Y		
321	Polyline	354,355	1.030	Y		
322	Polyline	355,356	1.030	Y		
323	Polyline	356,357	1.030	Y		
324	Polyline	357,358	1.030	Y		
325	Polyline	358,359	1.030	Y		
326	Polyline	359,360	1.030	Y		
327	Polyline	360,361	1.030	Y		
328	Polyline	361,362	1.030	Y		
329	Polyline	362,363	1.030	Y		
330	Polyline	363,364	1.030	Y		
331	Polyline	364,365	1.030	Y		
332	Polyline	365,366	1.030	Y		
333	Polyline	366,367	1.030	Y		
334	Polyline	367,368	1.030	Y		
335	Polyline	368,369	1.030	Y		
336	Polyline	369,370	1.030	Y		
337	Polyline	370,349	1.030	Y		
338	Polyline	396,374	1.030	Y		
339	Polyline	374,375	1.030	Y		
340	Polyline	375,376	1.030	Y		
341	Polyline	376,377	1.030	Y		
342	Polyline	377,378	1.030	Y		
343	Polyline	378,379	1.030	Y		
344	Polyline	379,380	1.030	Y		
345	Polyline	380,381	1.030	Y		
346	Polyline	381,382	1.030	Y		
347	Polyline	382,383	1.030	Y		
348	Polyline	383,384	1.030	Y		
349	Polyline	384,385	1.030	Y		
350	Polyline	385,386	1.030	Y		
351	Polyline	386,387	1.030	Y		
352	Polyline	387,388	1.030	Y		
353	Polyline	388,389	1.030	Y		
354	Polyline	389,390	1.030	Y		
355	Polyline	390,391	1.030	Y		
356	Polyline	391,392	1.030	Y		
357	Polyline	392,393	1.030	Y		
358	Polyline	393,394	1.030	Y		
359	Polyline	394,373	1.030	Y		
364	Polyline	401,402	1.030	Y		
365	Polyline	402,403	1.030	Y		
366	Polyline	403,404	1.030	Y		
367	Polyline	404,405	1.030	Y		
368	Polyline	405,406	1.030	Y		
369	Polyline	406,407	1.030	Y		
370	Polyline	407,408	1.030	Y		
371	Polyline	408,409	1.030	Y		
372	Polyline	409,410	1.030	Y		
373	Polyline	410,411	1.030	Y		
374	Polyline	411,412	1.030	Y		
375	Polyline	412,413	1.030	Y		
376	Polyline	413,414	1.030	Y		
377	Polyline	414,415	1.030	Y		
378	Polyline	415,416	1.030	Y		
379	Polyline	416,417	1.030	Y		
380	Polyline	417,418	1.030	Y		
381	Polyline	418,397	1.030	Y		

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MEMBERS

Legend

- Design properties
- Member Hinge
- Member Hinge
- Nodes on Member
- Service Class (Timber Design)

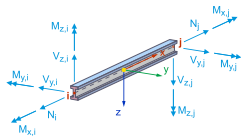
Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
1	1	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
2	2	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ



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MEMBERS

Beam



Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
3	3	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
4	5	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
5	6	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
6	7	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
7	9	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
8	10	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
9	11	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
10	13	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
11	14	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
12	15	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
13	17	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
14	18	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
15	19	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
16	20	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
17	21	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
18	22	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
19	23	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
20	24	Beam Uniform	Angle	0.00	3	—	—	6.800	XZ
21	25	Beam Uniform	Angle	0.00	3	1	—	6.800	XZ
22	26	Beam	Angle	0.00	3	1	—	6.800	XZ



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Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
		Uniform				–	–		
23	27	Beam Uniform	Angle	0.00	3	–	–	6.800	XZ
24	28	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
25	29	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
26	30	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
27	31	Beam Uniform	Angle	0.00	3	–	–	6.800	XZ
28	32	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
29	33	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
30	34	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
31	35	Beam Uniform	Angle	0.00	3	–	–	6.800	XZ
32	36	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
33	37	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
34	38	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
35	39	Beam Uniform	Angle	0.00	3	–	–	6.800	XZ
36	40	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
37	41	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
38	42	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
39	43	Beam Uniform	Angle	0.00	3	–	–	6.800	XZ
40	44	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ
41	45	Beam Uniform	Angle	0.00	3	1	–	6.800	XZ





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
42	46	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
43	47	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
44	48	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
45	49	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
46	50	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
47	51	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
48	52	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
49	53	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
50	54	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
51	55	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
52	56	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
53	57	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
54	58	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
55	59	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
56	60	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
57	61	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
58	62	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
59	63	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
60	64	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ



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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
61	65	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
62	66	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
63	67	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				--	--		
64	68	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				1	--		
65	69	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
66	70	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
67	71	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				--	--		
68	72	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				1	--		
69	73	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
70	74	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
71	75	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				--	--		
72	76	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				1	--		
73	77	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
74	78	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
75	79	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				--	--		
76	80	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				1	--		
77	81	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
78	82	Beam	Angle	0.00	3	1	--	6.800	XZ
		Uniform				--	--		
79	83	Beam	Angle	0.00	3	--	--	6.800	XZ
		Uniform				--	--		
80	84	Beam	Angle	0.00	3	--	--	6.800	XZ





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
		Uniform				1	--		
81	85	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
82	86	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
83	87	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
84	88	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
85	89	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
86	90	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
87	91	Beam Uniform	Angle	0.00	3	--	--	6.800	XZ
88	92	Beam Uniform	Angle	0.00	3	1	--	6.800	XZ
89	117	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
90	118	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
91	119	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
92	120	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
93	121	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
94	122	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
95	123	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
96	124	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
97	125	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
98	126	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
99	127	Beam Uniform	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
100	128	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
101	129	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
102	130	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
103	131	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
104	132	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
105	133	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
106	134	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
107	135	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
108	136	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
109	137	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
110	138	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
111	139	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
112	140	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
113	141	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
114	142	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
115	143	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
116	144	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
117	145	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
118	146	Beam Uniform	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
119	147	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
120	148	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
121	149	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
122	150	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
123	151	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
124	152	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
125	153	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
126	154	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
127	155	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
128	156	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
129	157	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
130	158	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
131	159	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
132	160	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
133	161	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
134	162	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
135	163	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
136	164	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
137	165	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
138	166	Beam	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
		Uniform				--	--		
139	167	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
140	168	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
141	169	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
142	170	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
143	171	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
144	172	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
145	173	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
146	174	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
147	175	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
148	176	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
149	177	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
150	178	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
151	179	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
152	180	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
153	181	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
154	182	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
155	183	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
156	184	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
157	185	Beam Uniform	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
158	186	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
159	187	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
160	188	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
161	189	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
162	190	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
163	191	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
164	192	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
165	193	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
166	194	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
167	195	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
168	196	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
169	197	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
170	198	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
171	199	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
172	200	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
173	201	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
174	202	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
175	203	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
176	204	Beam Uniform	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
177	249	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
178	250	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
179	251	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
180	252	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
181	253	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
182	254	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
183	255	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
184	256	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
185	257	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
186	258	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
187	259	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
188	260	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
189	261	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
190	262	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
191	263	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
192	264	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
193	265	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
194	266	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
195	267	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
196	268	Beam	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
		Uniform				--	--		
197	269	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
198	270	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
199	271	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
200	272	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
201	273	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
202	274	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
203	275	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
204	276	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
205	277	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
206	278	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
207	279	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
208	280	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
209	281	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
210	282	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
211	283	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
212	284	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
213	205	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
214	206	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
215	207	Beam Uniform	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
216	208	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
217	209	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
218	210	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
219	211	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
220	212	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
221	213	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
222	214	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
223	215	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
224	216	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
225	217	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
226	218	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
227	219	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
228	220	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
229	221	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
230	222	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
231	223	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
232	224	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
233	225	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
234	226	Beam Uniform	Angle	0.00	4	--	--	1.030	Y



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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
235	227	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
236	228	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
237	229	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
238	230	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
239	231	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
240	232	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
241	233	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
242	234	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
243	235	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
244	236	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
245	237	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
246	238	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
247	239	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
248	240	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
249	241	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
250	242	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
251	243	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
252	244	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
253	245	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
254	246	Beam	Angle	0.00	4	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
		Uniform				--	--		
255	247	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
256	248	Beam Uniform	Angle	0.00	4	--	--	1.030	Y
268	294	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
269	295	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
270	296	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
271	297	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
272	298	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
273	299	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
274	300	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
275	301	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
276	302	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
277	303	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
278	304	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
279	305	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
280	306	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
281	307	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
282	308	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
283	309	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
284	310	Beam Uniform	Angle	0.00	5	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
285	311	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
286	312	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
287	313	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
288	314	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
289	315	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
290	316	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
291	317	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
292	318	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
293	319	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
294	320	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
295	321	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
296	322	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
297	323	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
298	324	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
299	325	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
300	326	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
301	327	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
302	328	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
303	329	Beam Uniform	Angle	0.00	5	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
304	330	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
305	331	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
306	332	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
307	333	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
308	334	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
309	335	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
310	336	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
311	337	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
312	338	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
313	339	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
314	340	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
315	341	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
316	342	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
317	343	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
318	344	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
319	345	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
320	346	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
321	347	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
322	348	Beam Uniform	Angle	0.00	5	-- --	-- --	1.030	Y
323	349	Beam	Angle	0.00	5	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
		Uniform				--	--		
324	350	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
325	351	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
326	352	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
327	353	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
328	354	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
329	355	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
330	356	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
331	357	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
332	358	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
333	359	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
338	364	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
339	365	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
340	366	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
341	367	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
342	368	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
343	369	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
344	370	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
345	371	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
		Beam Uniform				--	--		
346	372	Beam Uniform	Angle	0.00	5	--	--	1.030	Y





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MEMBERS

Member No.	Line No.	Member Type Section Distribution	Rotation Type	β [deg]	Section i/k/j	Hinge i/j	Eccentricity i/j	Length L [m]	Position
347	373	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
348	374	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
349	375	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
350	376	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
351	377	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
352	378	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
353	379	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
354	380	Beam Uniform	Angle	0.00	5	--	--	1.030	Y
355	381	Beam Uniform	Angle	0.00	5	--	--	1.030	Y

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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
1	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
2	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
3	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
4	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
5	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
6	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
7	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
8	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
9	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
10	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
11	Beam 3 - R_M1 100/120 L : 6.800 m	6.800	0.0		Beam	☒	6.800	0.0		Beam
12	Beam 3 - R_M1 100/120 L : 6.800 m									





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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Segments in z-Axis			
	Active	Length [m]	Precamber [mm]	Type	Active	Length [m]	Precamber [mm]	Type
	<input checked="" type="checkbox"/>	6.800	0.0	Beam	<input checked="" type="checkbox"/>	6.800	0.0	Beam
13	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
14	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
15	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
16	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
17	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
18	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
19	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
20	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
21	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
22	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
23	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
24	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
25	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
26	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
27	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
28	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
29	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
30	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
31	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
32	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
33	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
34	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
35	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
36	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam
37	Beam 3 - R_M1 100/120 L : 6.800 m				<input checked="" type="checkbox"/>	6.800	0.0	Beam





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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
38	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
39	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
40	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
41	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
42	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
43	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
44	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
45	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
46	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
47	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
48	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
49	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
50	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
51	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
52	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
53	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
54	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
55	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
56	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
57	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
58	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
59	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
60	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
61	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
62	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
63	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam





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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
64	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
65	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
66	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
67	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
68	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
69	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
70	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
71	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
72	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
73	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
74	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
75	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
76	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
77	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
78	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
79	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
80	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
81	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
82	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
83	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
84	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
85	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
86	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
87	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
88	Beam 3 - R_M1 100/120 L : 6.800 m <input checked="" type="checkbox"/>	6.800	0.0		Beam	<input checked="" type="checkbox"/>	6.800	0.0		Beam
89	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam





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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
90	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
91	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
92	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
93	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
94	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
95	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
96	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
97	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
98	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
99	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
100	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
101	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
102	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
103	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
104	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
105	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
106	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
107	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
108	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
109	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
110	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
111	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
112	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
113	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
114	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
115	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam





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Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
116	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
117	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
118	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
119	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
120	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
121	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
122	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
123	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
124	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
125	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
126	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
127	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
128	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
129	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
130	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
131	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
132	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
133	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
134	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
135	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
136	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
137	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
138	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
139	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
140	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
141	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam





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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
142	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
143	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
144	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
145	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
146	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
147	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
148	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
149	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
150	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
151	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
152	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
153	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
154	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
155	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
156	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
157	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
158	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
159	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
160	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
161	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
162	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
163	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
164	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
165	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
166	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
167	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam





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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
168	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
169	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
170	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
171	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
172	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
173	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
174	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
175	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
176	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
177	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
178	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
179	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
180	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
181	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
182	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
183	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
184	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
185	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
186	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
187	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
188	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
189	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
190	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
191	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
192	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
193	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam



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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
194	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
195	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
196	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
197	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
198	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
199	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
200	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
201	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
202	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
203	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
204	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
205	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
206	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
207	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
208	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
209	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
210	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
211	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
212	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
213	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
214	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
215	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
216	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
217	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
218	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
219	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam





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Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
220	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
221	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
222	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
223	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
224	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
225	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
226	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
227	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
228	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
229	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
230	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
231	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
232	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
233	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
234	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
235	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
236	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
237	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
238	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
239	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
240	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
241	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
242	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
243	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
244	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
245	Beam 4 - R_M1 140/160 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam



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Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
246	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
247	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
248	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
249	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
250	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
251	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
252	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
253	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
254	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
255	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
256	Beam 4 - R_M1 140/160 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
268	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
269	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
270	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
271	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
272	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
273	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
274	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
275	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
276	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
277	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
278	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
279	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
280	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
281	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
282	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam



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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
283	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
284	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
285	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
286	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
287	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
288	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
289	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
290	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
291	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
292	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
293	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
294	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
295	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
296	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
297	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
298	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
299	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
300	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
301	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
302	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
303	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
304	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
305	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
306	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
307	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
308	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam





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1.8.1

MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
309	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
310	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
311	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
312	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
313	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
314	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
315	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
316	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
317	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
318	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
319	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
320	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
321	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
322	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
323	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
324	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
325	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
326	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
327	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
328	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
329	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
330	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
331	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
332	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
333	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
338	Beam 5 - R_M1 120/140 L : 1.030 m	<input checked="" type="checkbox"/>	1.030	0.0	Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam



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MEMBERS - DEFLECTION CHECK - SEGMENTS

Member No.	Segments in y-Axis				Type	Segments in z-Axis				Type
	Active	Length [m]	Precamber [mm]			Active	Length [m]	Precamber [mm]		
339	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
340	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
341	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
342	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
343	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
344	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
345	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
346	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
347	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
348	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
349	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
350	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
351	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
352	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
353	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
354	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam
355	Beam 5 - R_M1 120/140 L : 1.030 m <input checked="" type="checkbox"/>	1.030	0.0		Beam	<input checked="" type="checkbox"/>	1.030	0.0		Beam

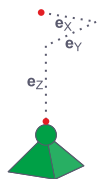
2 Types for Nodes



2.1

NODAL SUPPORTS

Global Coordinate System



Support No.	Nodes No.	Coordinate System	Translation Spring [kN/m]			Rotation Spring [kNm/rad]		
			C _{u,X}	C _{u,Y}	C _{u,Z}	C _{φ,X}	C _{φ,Y}	C _{φ,Z}
1	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Hinged 1, 6,9,12,14,17,19,22,24,2 7,29,32,34,37,39,42,44, 47,49,52,54,57,59,62,64 ,67,69,72,74,77,79,82,8 4,87,89,92,94,97,99,102 ,104,107,109,112,114,11 7,126,127,130,133,136, 139,142,145,148-150,15 3,156,159,162,166,168- 170,173,176,179,182,18 5,188,191-193,196,199, 202,205,208,211,214-21 6,219,222,225,228,231, 234,237-239,242,245,24 8,251,254,257,260-262,	1 - Global XYZ	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



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NODAL SUPPORTS

Support No.	Nodes No.	Coordinate System	Translation Spring [kN/m]			Rotation Spring [kNm/rad]		
			C _{u,x}	C _{u,y}	C _{u,z}	C _{φ,x}	C _{φ,y}	C _{φ,z}
	265,268,271,274,277,280,283,285,288,291,294,297,301,326,327,330,333,336,339,342,345,348-350,353,356,359,362,365,368,372-374,377,380,383,386,389,392,396,397,401,404,407,410,413,416							

3 Types for Members

3.1

MEMBER HINGES

Hinge No.	Coordinate System	Translation Spring [kN/m]			Rotation Spring [kNm/rad]		
		C _{u,x}	C _{u,y}	C _{u,z}	C _{φ,x}	C _{φ,y}	C _{φ,z}
1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Local xyz Local xyz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

4 Types for Timber Design

4.1

SERVICE CLASSES

Class No.	Members	Assigned to			Service Class Type	Comment
		Member Sets	Surfaces	Surface Sets		
1	<input checked="" type="checkbox"/> Service Class 1 (Members : 1-256,268-333,338-355)				1 - Dry	

5 Load Cases & Combinations

5.1

LOAD CASES

LC No.	Settings	Value	Unit	To Solve
1	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Self-weight Analysis type Associated standard Static analysis settings Action category Self-weight - Factor in direction X Self-weight - Factor in direction Y Self-weight - Factor in direction Z Load duration Self-weight mode for geotechnical analysis	<input checked="" type="checkbox"/> Static Analysis <input checked="" type="checkbox"/> EN 1990 Base + Timber SIST 2010-09 <input checked="" type="checkbox"/> SA1 - Geometrically linear <input checked="" type="checkbox"/> Permanent 0.000 0.000 1.000 Permanent Normal	-- -- -- -- -- -- -- -- -- --	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> kritina Analysis type Associated standard Static analysis settings Action category Load duration Self-weight mode for geotechnical analysis	<input checked="" type="checkbox"/> Static Analysis <input checked="" type="checkbox"/> EN 1990 Base + Timber SIST 2010-09 <input checked="" type="checkbox"/> SA1 - Geometrically linear <input checked="" type="checkbox"/> Permanent Permanent Normal	-- -- -- -- -- -- -- -- -- --	<input checked="" type="checkbox"/>
3	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> sneg Analysis type Associated standard Static analysis settings Action category Load duration Self-weight mode for geotechnical analysis	<input checked="" type="checkbox"/> Static Analysis <input checked="" type="checkbox"/> EN 1990 Base + Timber SIST 2010-09 <input checked="" type="checkbox"/> SA1 - Geometrically linear <input checked="" type="checkbox"/> Snow/Ice loads - H ≤ 1000 m Short-term Normal	-- -- -- -- -- -- -- -- -- --	<input checked="" type="checkbox"/>
4	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> veter Analysis type Associated standard Static analysis settings Action category Load duration	<input checked="" type="checkbox"/> Static Analysis <input checked="" type="checkbox"/> EN 1990 Base + Timber SIST 2010-09 <input checked="" type="checkbox"/> SA1 - Geometrically linear <input checked="" type="checkbox"/> Wind Short-term	-- -- -- -- -- -- -- -- -- --	<input checked="" type="checkbox"/>





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LOADS

5.1 LOAD CASES

LC No.	Settings	Value	Unit	To Solve
	Self-weight mode for geotechnical analysis	Normal		

5.2 DESIGN SITUATIONS

DS No.	Settings	Value	Active
1	ULS ULS (STR/GEO) - Permanent and transient - Eq. 6.10 Design situation type Associated standard Combination wizard Consider inclusive/exclusive load cases	ULS ULS (STR/GEO) - Permanent and transient - Eq. 6.10 EN 1990 Base + Timber SIST 2010-09 1 <input type="checkbox"/>	<input checked="" type="checkbox"/>
2	SCh SLS - Characteristic Design situation type Associated standard Combination wizard Consider inclusive/exclusive load cases	SCh SLS - Characteristic EN 1990 Base + Timber SIST 2010-09 2 <input type="checkbox"/>	<input checked="" type="checkbox"/>
3	SQ SLS - Quasi-permanent Design situation type Associated standard Combination wizard Consider inclusive/exclusive load cases	SQ SLS - Quasi-permanent EN 1990 Base + Timber SIST 2010-09 2 <input type="checkbox"/>	<input checked="" type="checkbox"/>
4	SF SLS - Frequent base Design situation type Associated standard Combination wizard Consider inclusive/exclusive load cases	SF SLS - Frequent base EN 1990 Base + Timber SIST 2010-09 2 <input type="checkbox"/>	<input checked="" type="checkbox"/>
5	SQ SLS - Quasi-permanent base Design situation type Associated standard Combination wizard Consider inclusive/exclusive load cases	SQ SLS - Quasi-permanent base EN 1990 Base + Timber SIST 2010-09 2 <input type="checkbox"/>	<input checked="" type="checkbox"/>

5.3 ACTION COMBINATIONS

AC No.	Settings	Value	Active
1	ULS 1.35 * A1 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 ULS DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 1 Design Situation No. 1	<input checked="" type="checkbox"/>
2	ULS 1.35 * A1 + 1.50 * A2 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 ULS DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 2 Design Situation No. 1	<input checked="" type="checkbox"/>
3	ULS 1.35 * A1 + 1.50 * A2 + 0.90 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 ULS DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 3 Design Situation No. 1	<input checked="" type="checkbox"/>
4	ULS 1.35 * A1 + 1.50 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 ULS DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 4 Design Situation No. 1	<input checked="" type="checkbox"/>
5	ULS 1.35 * A1 + 0.75 * A2 + 1.50 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 ULS DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 5 Design Situation No. 1	<input checked="" type="checkbox"/>
6	SCh A1 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SCh DS2 - SLS - Characteristic 6 Design Situation No. 2	<input checked="" type="checkbox"/>



5.3

ACTION COMBINATIONS

AC No.	Settings	Value	Active
7	SCh A1 + A2 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SCh DS2 - SLS - Characteristic 7 Design Situation No. 2	<input checked="" type="checkbox"/>
8	SCh A1 + A2 + 0.60 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SCh DS2 - SLS - Characteristic 8 Design Situation No. 2	<input checked="" type="checkbox"/>
9	SCh A1 + A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SCh DS2 - SLS - Characteristic 9 Design Situation No. 2	<input checked="" type="checkbox"/>
10	SCh A1 + 0.50 * A2 + A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SCh DS2 - SLS - Characteristic 10 Design Situation No. 2	<input checked="" type="checkbox"/>
11	SQ 1.60 * A1 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SQ DS3 - SLS - Quasi-permanent 11 Design Situation No. 3	<input checked="" type="checkbox"/>
12	SQ 1.60 * A1 + A2 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SQ DS3 - SLS - Quasi-permanent 12 Design Situation No. 3	<input checked="" type="checkbox"/>
13	SQ 1.60 * A1 + A2 + 0.60 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SQ DS3 - SLS - Quasi-permanent 13 Design Situation No. 3	<input checked="" type="checkbox"/>
14	SQ 1.60 * A1 + A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SQ DS3 - SLS - Quasi-permanent 14 Design Situation No. 3	<input checked="" type="checkbox"/>
15	SQ 1.60 * A1 + 0.50 * A2 + A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SQ DS3 - SLS - Quasi-permanent 15 Design Situation No. 3	<input checked="" type="checkbox"/>
16	SF A1 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SF DS4 - SLS - Frequent base 16 Design Situation No. 4	<input checked="" type="checkbox"/>
17	SF A1 + 0.20 * A2 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SF DS4 - SLS - Frequent base 17 Design Situation No. 4	<input checked="" type="checkbox"/>
18	SF A1 + 0.20 * A2 + 0.00 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SF DS4 - SLS - Frequent base Design Situation No. 4	<input type="checkbox"/>
19	SF A1 + 0.20 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 SF DS4 - SLS - Frequent base 18 Design Situation No. 4	<input checked="" type="checkbox"/>



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ACTION COMBINATIONS

AC No.	Settings	Value	Active
20	A1 + 0.00 * A2 + 0.20 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 DS4 - SLS - Frequent base Design Situation No. 4	<input type="checkbox"/>
21	A1 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 DS5 - SLS - Quasi-permanent base 19 Design Situation No. 5	<input checked="" type="checkbox"/>
22	A1 + 0.00 * A2 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 DS5 - SLS - Quasi-permanent base Design Situation No. 5	<input type="checkbox"/>
23	A1 + 0.00 * A2 + 0.00 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 DS5 - SLS - Quasi-permanent base Design Situation No. 5	<input type="checkbox"/>
24	A1 + 0.00 * A3 Associated standard Design Situation Generated load combinations Generated by	EN 1990 Base + Timber SIST 2010-09 DS5 - SLS - Quasi-permanent base Design Situation No. 5	<input type="checkbox"/>

5.4

LOAD COMBINATIONS

CO No.	Settings	Value	Unit	To Solve
1	1.35 * LC1 + 1.35 * LC2 Analysis type Associated standard Static analysis settings Design Situation Load duration	Static Analysis EN 1990 Base + Timber SIST 2010-09 SA2 - Second-order (P-Δ) Picard 100 1 DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 Permanent		<input checked="" type="checkbox"/>
2	1.35 * LC1 + 1.35 * LC2 + 1.50 * LC3 Analysis type Associated standard Static analysis settings Design Situation Load duration	Static Analysis EN 1990 Base + Timber SIST 2010-09 SA2 - Second-order (P-Δ) Picard 100 1 DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 Short-term		<input checked="" type="checkbox"/>
3	1.35 * LC1 + 1.35 * LC2 + 1.50 * LC3 + 0.90 * LC4 Analysis type Associated standard Static analysis settings Design Situation Load duration	Static Analysis EN 1990 Base + Timber SIST 2010-09 SA2 - Second-order (P-Δ) Picard 100 1 DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 Short-term		<input checked="" type="checkbox"/>
4	1.35 * LC1 + 1.35 * LC2 + 1.50 * LC4 Analysis type Associated standard Static analysis settings Design Situation Load duration	Static Analysis EN 1990 Base + Timber SIST 2010-09 SA2 - Second-order (P-Δ) Picard 100 1 DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 Short-term		<input checked="" type="checkbox"/>
5	1.35 * LC1 + 1.35 * LC2 + 0.75 * LC3 + 1.50 * LC4 Analysis type Associated standard Static analysis settings Design Situation Load duration	Static Analysis EN 1990 Base + Timber SIST 2010-09 SA2 - Second-order (P-Δ) Picard 100 1 DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10 Short-term		<input checked="" type="checkbox"/>
6	LC1 + LC2 Analysis type Associated standard Static analysis settings Design Situation	Static Analysis EN 1990 Base + Timber SIST 2010-09 SA1 - Geometrically linear DS2 - SLS - Characteristic		<input checked="" type="checkbox"/>
7	LC1 + LC2 + LC3			



5.4

LOAD COMBINATIONS

CO No.	Settings	Value	Unit	To Solve
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS2 - SLS - Characteristic		
8	S.Ch LC1 + LC2 + LC3 + 0.60 * LC4			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS2 - SLS - Characteristic		
9	S.Ch LC1 + LC2 + LC4			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS2 - SLS - Characteristic		
10	S.Ch LC1 + LC2 + 0.50 * LC3 + LC4			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS2 - SLS - Characteristic		
11	S.Ch 1.60 * LC1 + 1.60 * LC2			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS3 - SLS - Quasi-permanent		
12	S.Ch 1.60 * LC1 + 1.60 * LC2 + LC3			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS3 - SLS - Quasi-permanent		
13	S.Ch 1.60 * LC1 + 1.60 * LC2 + LC3 + 0.60 * LC4			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS3 - SLS - Quasi-permanent		
14	S.Ch 1.60 * LC1 + 1.60 * LC2 + LC4			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS3 - SLS - Quasi-permanent		
15	S.Ch 1.60 * LC1 + 1.60 * LC2 + 0.50 * LC3 + LC4			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS3 - SLS - Quasi-permanent		
16	S.Fr LC1 + LC2			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Fr DS4 - SLS - Frequent base		
17	S.Fr LC1 + LC2 + 0.20 * LC3			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Fr DS4 - SLS - Frequent base		
18	S.Fr LC1 + LC2 + 0.20 * LC4			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Fr DS4 - SLS - Frequent base		
19	S.Ch LC1 + LC2			
	Analysis type	Static Analysis		<input checked="" type="checkbox"/>
	Associated standard	EN 1990 Base + Timber SIST 2010-09		
	Static analysis settings	SA1 - Geometrically linear		
	Design Situation	S.Ch DS5 - SLS - Quasi-permanent base		



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5.5

STATIC ANALYSIS SETTINGS

Settings No.	Description	Symbol	Value	Unit
1	<input checked="" type="checkbox"/> Geometrically linear		<input checked="" type="checkbox"/> Geometrically linear	
	Analysis type		<input type="checkbox"/>	
	Modify standard precision and tolerance settings		<input type="checkbox"/>	
	Modify loading by multiplier factor		<input type="checkbox"/>	
	Displacements due to member load of type 'Pipe internal pressure' (Bourdon effect)		<input type="checkbox"/>	
	Method for equation system		Direct	
	Plate bending theory		Mindlin	
	Activate mass conversion to load		<input type="checkbox"/>	
	Asymmetric direct solver		<input checked="" type="checkbox"/>	
	Equilibrium for undeformed structure		<input type="checkbox"/>	
2	<input checked="" type="checkbox"/> Second-order (P-Δ) Picard 100 1		<input checked="" type="checkbox"/> Second-order (P-Δ)	
	Analysis type		<input checked="" type="checkbox"/> Picard	
	Iterative method for nonlinear analysis		100	
	Maximum number of iterations		1	
	Number of load increments		<input type="checkbox"/>	
	Modify standard precision and tolerance settings		<input type="checkbox"/>	
	Ignore all nonlinearities		<input type="checkbox"/>	
	Modify loading by multiplier factor		<input type="checkbox"/>	
	Consider favorable effect due to tension in members		<input checked="" type="checkbox"/>	
	Displacements due to member load of type 'Pipe internal pressure' (Bourdon effect)		<input type="checkbox"/>	
	Refer internal forces to deformed structure		<input checked="" type="checkbox"/>	
	Refer internal forces to deformed structure for axial forces		<input checked="" type="checkbox"/>	
	Refer internal forces to deformed structure for shear forces		<input checked="" type="checkbox"/>	
	Refer internal forces to deformed structure for moments		<input checked="" type="checkbox"/>	
	Method for equation system		Direct	
	Plate bending theory		Mindlin	
	Activate mass conversion to load		<input type="checkbox"/>	
	Asymmetric direct solver		<input checked="" type="checkbox"/>	
	Equilibrium for undeformed structure		<input type="checkbox"/>	
	Stability check based on deformation rate		<input type="checkbox"/>	
3	<input checked="" type="checkbox"/> Large deformations Newton-Raphson 100 1		<input checked="" type="checkbox"/> Large deformations	
	Analysis type		<input checked="" type="checkbox"/> Newton-Raphson	
	Iterative method for nonlinear analysis		100	
	Maximum number of iterations		1	
	Number of load increments		<input type="checkbox"/>	
	Modify standard precision and tolerance settings		<input type="checkbox"/>	
	Ignore all nonlinearities		<input type="checkbox"/>	
	Modify loading by multiplier factor		<input type="checkbox"/>	
	Consider favorable effect due to tension in members		<input checked="" type="checkbox"/>	
	Try to calculate unstable structure		<input type="checkbox"/>	
	Displacements due to member load of type 'Pipe internal pressure' (Bourdon effect)		<input type="checkbox"/>	
	Method for equation system		Direct	
	Plate bending theory		Mindlin	
	Activate mass conversion to load		<input type="checkbox"/>	
	Asymmetric direct solver		<input checked="" type="checkbox"/>	
	Equilibrium for undeformed structure		<input type="checkbox"/>	
	Stability check based on deformation rate		<input type="checkbox"/>	

5.6

STABILITY ANALYSIS SETTINGS

Settings No.	Description	Symbol	Value	Unit
1	<input checked="" type="checkbox"/> #4 Eigenvalue method (linear) Lanczos		<input checked="" type="checkbox"/> Eigenvalue method (linear)	
	Analysis type		4	
	Number of lowest eigenvalues		<input checked="" type="checkbox"/>	
	Considered favorable effect		<input type="checkbox"/>	
	Calculate without loading for instability		<input checked="" type="checkbox"/>	
	Activate minimum initial prestress			
	Minimum initial strain	ϵ_{min}	0.01	‰
	Display local torsional rotations		<input type="checkbox"/>	
	Eigenvalue method		Lanczos	
	Matrix type		Standard	
2	<input checked="" type="checkbox"/> #10 Eigenvalue method (linear) Lanczos		<input checked="" type="checkbox"/> Eigenvalue method (linear)	
	Analysis type		10	
	Number of lowest eigenvalues		<input checked="" type="checkbox"/>	
	Considered favorable effect		<input type="checkbox"/>	
	Calculate without loading for instability		<input checked="" type="checkbox"/>	
	Activate minimum initial prestress			





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STABILITY ANALYSIS SETTINGS

Settings No.	Description	Symbol	Value	Unit
	Minimum initial strain	ϵ_{min}	0.01	%
	Display local torsional rotations		<input type="checkbox"/>	
	Eigenvalue method		Lanczos	
	Matrix type		Standard	

5.7

COMBINATION WIZARDS

Wizard No.	Settings	Value
1	<input checked="" type="checkbox"/> Load combinations SA2 - Second-order (P-Δ) Picard 100 1	
	Assigned to	DS 1
	Generate combinations	Load combinations (non-linear analysis)
	Static analysis settings	<input checked="" type="checkbox"/> SA2 - Second-order (P-Δ) Picard 100 1
	Consider imperfection case	<input checked="" type="checkbox"/>
	Consider initial state	<input type="checkbox"/>
	Structure modification enabled	<input type="checkbox"/>
	Generate same combinations without imperfection case	<input type="checkbox"/>
	User-defined action combinations	<input type="checkbox"/>
	Favorable permanent actions	<input type="checkbox"/>
	Reduce number of generated combinations	<input type="checkbox"/>
	Assigned to	DS 1
	Generate combinations	Load combinations (non-linear analysis)
	Static analysis settings	<input checked="" type="checkbox"/> SA2 - Second-order (P-Δ) Picard 100 1
	Consider imperfection case	<input checked="" type="checkbox"/>
	Consider initial state	<input type="checkbox"/>
	Structure modification enabled	<input type="checkbox"/>
	Generate same combinations without imperfection case	<input type="checkbox"/>
	User-defined action combinations	<input type="checkbox"/>
	Favorable permanent actions	<input type="checkbox"/>
	Reduce number of generated combinations	<input type="checkbox"/>
2	<input checked="" type="checkbox"/> Load combinations SA1 - Geometrically linear	
	Assigned to	DS 2-5
	Generate combinations	Load combinations (non-linear analysis)
	Static analysis settings	<input checked="" type="checkbox"/> SA1 - Geometrically linear
	Consider imperfection case	<input type="checkbox"/>
	Consider initial state	<input type="checkbox"/>
	Structure modification enabled	<input type="checkbox"/>
	User-defined action combinations	<input type="checkbox"/>
	Favorable permanent actions	<input type="checkbox"/>
	Reduce number of generated combinations	<input type="checkbox"/>
	Assigned to	DS 2-5
	Generate combinations	Load combinations (non-linear analysis)
	Static analysis settings	<input checked="" type="checkbox"/> SA1 - Geometrically linear
	Consider imperfection case	<input type="checkbox"/>
	Consider initial state	<input type="checkbox"/>
	Structure modification enabled	<input type="checkbox"/>
	User-defined action combinations	<input type="checkbox"/>
	Favorable permanent actions	<input type="checkbox"/>
	Reduce number of generated combinations	<input type="checkbox"/>

5.7.1

COMBINATION WIZARDS - INITIAL STATE ITEMS

Wizard No.	Definition Type	Case Object
1	<input checked="" type="checkbox"/> Load combinations SA2 - Second-order (P-Δ) Picard 100 1	
2	<input checked="" type="checkbox"/> Load combinations SA1 - Geometrically linear	

6 Load Wizards

6.1

MEMBER LOADS FROM AREA LOAD

Load No.	Description	Symbol	Value	Unit
1	<input checked="" type="checkbox"/> LC2 - kritina Uniform Z_A p : 1.13 kN/m ²			
	Generated on Members No.		1-256,268-333,338-355	
	Generate into load case		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> LC2 - kritina	
	Load distribution		Uniform	
	Coordinate system		<input checked="" type="checkbox"/> 1 - Global XYZ	
	Load direction		Z_A	
	Load magnitude	p	1.13	kN/m ²
	Single members			



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6.1

MEMBER LOADS FROM AREA LOAD

Load No.	Description	Symbol	Value	Unit
	Members parallel to member			
	Area of load application		Fully closed plane	
	Convert into single members	<input type="checkbox"/>		
	Is smooth concentrated load enabled?	<input type="checkbox"/>		
	Consider member eccentricity	<input type="checkbox"/>		
	Consider section distribution	<input type="checkbox"/>		
	Lock for new members	<input type="checkbox"/>		
	Tolerance type for member in plane		Absolute by distance	
	Absolute tolerance for member in plane	Δ_e	0.001	m
	Tolerance type for node on line		Absolute by distance	
	Absolute tolerance for node on line	Δ_s	0.001	m
2	■ LC3 - sneg Uniform Z_A p : 2.49 kN/m ²			
	Generated on Members No.		1-256,268-333,338-355	
	Generate into load case	<input checked="" type="checkbox"/> ■ ■ LC3 - sneg		
	Load distribution	<input checked="" type="checkbox"/> Uniform		
	Coordinate system	<input checked="" type="checkbox"/> 1 - Global XYZ		
	Load direction		Z_A	
	Load magnitude	p	2.49	kN/m ²
	Single members			
	Members parallel to member			
	Area of load application		Fully closed plane	
	Convert into single members	<input type="checkbox"/>		
	Is smooth concentrated load enabled?	<input type="checkbox"/>		
	Consider member eccentricity	<input type="checkbox"/>		
	Consider section distribution	<input type="checkbox"/>		
	Lock for new members	<input type="checkbox"/>		
	Tolerance type for member in plane		Absolute by distance	
	Absolute tolerance for member in plane	Δ_e	0.001	m
	Tolerance type for node on line		Absolute by distance	
	Absolute tolerance for node on line	Δ_s	0.001	m
3	■ LC4 - veter Uniform Z_A p : -1.40 kN/m ²			
	Generated on Members No.		1-256	
	Generate into load case	<input checked="" type="checkbox"/> ■ ■ LC4 - veter		
	Load distribution	<input checked="" type="checkbox"/> Uniform		
	Coordinate system	<input checked="" type="checkbox"/> 1 - Global XYZ		
	Load direction		Z_A	
	Load magnitude	p	-1.40	kN/m ²
	Single members			
	Members parallel to member			
	Area of load application		Fully closed plane	
	Convert into single members	<input type="checkbox"/>		
	Is smooth concentrated load enabled?	<input type="checkbox"/>		
	Consider member eccentricity	<input type="checkbox"/>		
	Consider section distribution	<input type="checkbox"/>		
	Lock for new members	<input type="checkbox"/>		
	Tolerance type for member in plane		Absolute by distance	
	Absolute tolerance for member in plane	Δ_e	0.001	m
	Tolerance type for node on line		Absolute by distance	
	Absolute tolerance for node on line	Δ_s	0.001	m
4	■ LC4 - veter Uniform Z_A p : -0.59 kN/m ²			
	Generated on Members No.		1-88,111-194,268-333,338-355	
	Generate into load case	<input checked="" type="checkbox"/> ■ ■ LC4 - veter		
	Load distribution	<input checked="" type="checkbox"/> Uniform		
	Coordinate system	<input checked="" type="checkbox"/> 1 - Global XYZ		
	Load direction		Z_A	
	Load magnitude	p	-0.59	kN/m ²
	Single members			
	Members parallel to member			
	Area of load application		Fully closed plane	
	Convert into single members	<input type="checkbox"/>		
	Is smooth concentrated load enabled?	<input type="checkbox"/>		
	Consider member eccentricity	<input type="checkbox"/>		
	Consider section distribution	<input type="checkbox"/>		
	Lock for new members	<input type="checkbox"/>		
	Tolerance type for member in plane		Absolute by distance	
	Absolute tolerance for member in plane	Δ_e	0.001	m
	Tolerance type for node on line		Absolute by distance	
	Absolute tolerance for node on line	Δ_s	0.001	m

7 Loads





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LOADS

7.1 LC2 - kritina

7.1.1 MEMBER LOADS

LC2: kritina G

Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Symbol	Parameters Value	Unit
267		Force	Uniform	1	Z	p	1.160	kN/m

7.2 LC3 - sneg

7.2.1 MEMBER LOADS

LC3: sneg Qs

Load No.	Members No.	Load Type	Load Distribution	Coord. System	Load Direction	Symbol	Parameters Value	Unit
267		Force	Uniform	1	Z	p	1.370	kN/m

8 Guide Objects

8.1 COORDINATE SYSTEMS

System No.	Type	Symbol	Coordinates Value	Unit	Rotation Sequence	Symbol	Value	Unit	Comment
1	Global XYZ								

9 Static Analysis Results

9.1 SUMMARY

Static Analysis

Description	Value	Unit	Notes
LC1 - Self-weight			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	52.54	kN	
Sum of support forces in Z	52.54	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	0.00	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	0.00	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-0.1	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.0	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	0.6	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	0.6	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	0.4	mrad	Member No. 211, x: 0.515 m
Maximum rotation about Y-axis	0.3	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	0.0	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
LC2 - kritina			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	



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
RESULTS


9.1

SUMMARY

Static Analysis

	Description	Value	Unit	Notes
	Sum of loads in Y	0.00	kN	
	Sum of support forces in Y	0.00	kN	
	Sum of loads in Z	664.82	kN	
	Sum of support forces in Z	664.82	kN	Deviation: 0.00 %
	Resultant of reactions			
	Resultant of reactions about X	1.27	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
	Resultant of reactions about Y	-2.89	kNm	At center of gravity of model
	Resultant of reactions about Z	0.00	kNm	At center of gravity of model
	Maximum deformations			
	Maximum displacement in X-direction	-1.0	mm	Member No. 76, x: 0.000 m
	Maximum displacement in Y-direction	0.6	mm	Member No. 84, x: 0.000 m
	Maximum displacement in Z-direction	9.4	mm	Member No. 76, x: 0.000 m
	Maximum vectorial displacement	9.4	mm	Member No. 76, x: 0.000 m
	Maximum rotation about X-axis	5.8	mrad	Member No. 211, x: 0.644 m
	Maximum rotation about Y-axis	3.5	mrad	Member No. 76, x: 3.967 m
	Maximum rotation about Z-axis	0.7	mrad	Member No. 211, x: 0.258 m
	Calculation statistic			
	Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
	Minimum value of element of stiffness matrix on diagonal	30007.30	--	
	Stiffness matrix determinant	3.12e+127489	--	
	Infinity Norm	5.82e+11	--	
	Static Analysis Settings No. 1 - Geometrically linear			
	Analysis type	Geometrically linear		
	Modify loading by multiplier factor	<input type="checkbox"/>		
	Asymmetric direct solver	<input checked="" type="checkbox"/>		
	Method for Equation System	Direct		
	Plate bending theory	Mindlin		

 Qs LC3 - sneg			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	1464.96	kN	
Sum of support forces in Z	1464.96	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	2.82	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-6.37	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-2.2	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	1.2	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	20.7	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	20.8	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	12.9	mrad	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	7.7	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	1.4	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		

 Qw LC4 - veter			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	-585.39	kN	
Sum of support forces in Z	-585.39	kN	Deviation: 0.00 %





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RESULTS

9.1 SUMMARY

Static Analysis

Description	Value	Unit	Notes
Resultant of reactions			
Resultant of reactions about X	-1.12	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	21.58	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	1.3	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	-0.7	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	-12.1	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	12.1	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	-7.1	mrاد	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	-4.0	mrاد	Member No. 76, x: 3.400 m
Maximum rotation about Z-axis	-0.8	mrاد	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
ULS DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10			
Maximum deformations			
Maximum displacement in X-direction	-4.6	mm	Member No. 76, x: 0.000 m CO2
Maximum displacement in Y-direction	2.6	mm	Member No. 84, x: 0.000 m CO2
Maximum displacement in Z-direction	44.5	mm	Member No. 76, x: 0.000 m CO2
Maximum vectorial displacement	44.5	mm	Member No. 76, x: 0.000 m CO2
Maximum rotation about X-axis	27.7	mrاد	Member No. 211, x: 0.644 m CO2
Maximum rotation about Y-axis	16.7	mrاد	Member No. 76, x: 3.967 m CO2
Maximum rotation about Z-axis	3.1	mrاد	Member No. 211, x: 0.258 m CO2
SCh DS2 - SLS - Characteristic			
Maximum deformations			
Maximum displacement in X-direction	-3.2	mm	Member No. 76, x: 0.000 m CO7
Maximum displacement in Y-direction	1.8	mm	Member No. 84, x: 0.000 m CO7
Maximum displacement in Z-direction	30.7	mm	Member No. 76, x: 0.000 m CO7
Maximum vectorial displacement	30.7	mm	Member No. 76, x: 0.000 m CO7
Maximum rotation about X-axis	19.1	mrاد	Member No. 211, x: 0.644 m CO7
Maximum rotation about Y-axis	11.5	mrاد	Member No. 76, x: 3.967 m CO7
Maximum rotation about Z-axis	2.1	mrاد	Member No. 211, x: 0.258 m CO7
SQ DS3 - SLS - Quasi-permanent			
Maximum deformations			
Maximum displacement in X-direction	-3.8	mm	Member No. 76, x: 0.000 m CO12
Maximum displacement in Y-direction	2.2	mm	Member No. 84, x: 0.000 m CO12
Maximum displacement in Z-direction	36.7	mm	Member No. 76, x: 0.000 m CO12
Maximum vectorial displacement	36.7	mm	Member No. 76, x: 0.000 m CO12
Maximum rotation about X-axis	22.8	mrاد	Member No. 211, x: 0.644 m CO12
Maximum rotation about Y-axis	13.7	mrاد	Member No. 76, x: 3.967 m CO12
Maximum rotation about Z-axis	2.6	mrاد	Member No. 211, x: 0.258 m CO12
SLF DS4 - SLS - Frequent base			
Maximum deformations			
Maximum displacement in X-direction	-1.5	mm	Member No. 76, x: 0.000 m CO17
Maximum displacement in Y-direction	0.8	mm	Member No. 84, x: 0.000 m CO17
Maximum displacement in Z-direction	14.2	mm	Member No. 76, x: 0.000 m CO17
Maximum vectorial displacement	14.2	mm	Member No. 76, x: 0.000 m CO17
Maximum rotation about X-axis	8.8	mrاد	Member No. 211, x: 0.644 m CO17
Maximum rotation about Y-axis	5.3	mrاد	Member No. 76, x: 3.967 m CO17
Maximum rotation about Z-axis	1.0	mrاد	Member No. 211, x: 0.258 m CO17
SQ DS5 - SLS - Quasi-permanent base			
Maximum deformations			
Maximum displacement in X-direction	-1.0	mm	Member No. 76, x: 0.000 m CO19
Maximum displacement in Y-direction	0.6	mm	Member No. 84, x: 0.000 m CO19
Maximum displacement in Z-direction	10.0	mm	Member No. 76, x: 0.000 m CO19
Maximum vectorial displacement	10.1	mm	Member No. 76, x: 0.000 m CO19
Maximum rotation about X-axis	6.2	mrاد	Member No. 211, x: 0.618 m CO19
Maximum rotation about Y-axis	3.8	mrاد	Member No. 76, x: 3.967 m CO19
Maximum rotation about Z-axis	0.7	mrاد	Member No. 211, x: 0.258 m CO19



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SUMMARY

Static Analysis

Description	Value	Unit	Notes
CO1 - 1.35 * LC1 + 1.35 * LC2			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	968.44	kN	
Sum of support forces in Z	968.44	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	1.73	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-3.88	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-1.4	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.8	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	13.5	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	13.6	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	8.4	mrad	Member No. 211, x: 0.618 m
Maximum rotation about Y-axis	5.1	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	0.9	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Number of iterations	2		
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30005.10	--	
Stiffness matrix determinant	4.80e+127488	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 2 - Second-order (P-Δ) Picard 100 1			
Analysis type	Second-order (P-Δ)		
Iterative method	Picard		
Maximum number of iterations	100		
Number of load increments	1		
Modify loading by multiplier factor	<input type="checkbox"/>		
Consider favorable effects due to tension forces of members	<input checked="" type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		

CO2 - 1.35 * LC1 + 1.35 * LC2 + 1.50 * LC3			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	3165.88	kN	
Sum of support forces in Z	3165.92	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	5.86	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-13.22	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-4.6	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	2.6	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	44.5	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	44.8	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	27.7	mrad	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	16.7	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	3.1	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Number of iterations	2		
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30000.10	--	
Stiffness matrix determinant	6.49e+127486	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 2 - Second-order (P-Δ) Picard 100 1			
Analysis type	Second-order (P-Δ)		
Iterative method	Picard		
Maximum number of iterations	100		
Number of load increments	1		
Modify loading by multiplier factor	<input type="checkbox"/>		



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Description	Value	Unit	Notes
Consider favorable effects due to tension forces of members	<input checked="" type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
CO3 - 1.35 * LC1 + 1.35 * LC2 + 1.50 * LC3 + 0.90 * LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	2639.02	kN	
Sum of support forces in Z	2639.04	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	4.88	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	6.11	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-3.5	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	2.0	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	33.7	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	33.9	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	21.3	mrاد	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	14.4	mrاد	Member No. 84, x: 6.800 m
Maximum rotation about Z-axis	2.4	mrاد	Member No. 211, x: 0.258 m
Calculation statistic			
Number of iterations	2		
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30001.60	--	
Stiffness matrix determinant	2.56e+127487	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 2 - Second-order (P-Δ) Picard 100 1			
Analysis type	Second-order (P-Δ)		
Iterative method	Picard		
Maximum number of iterations	100		
Number of load increments	1		
Modify loading by multiplier factor	<input type="checkbox"/>		
Consider favorable effects due to tension forces of members	<input checked="" type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
CO4 - 1.35 * LC1 + 1.35 * LC2 + 1.50 * LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	90.35	kN	
Sum of support forces in Z	90.35	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	0.04	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	28.47	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	0.5	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	-0.2	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	-4.5	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	4.6	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	2.4	mrاد	Member No. 85, x: 1.700 m
Maximum rotation about Y-axis	-2.3	mrاد	Member No. 81, x: 0.000 m
Maximum rotation about Z-axis	-0.3	mrاد	Member No. 85, x: 0.000 m
Calculation statistic			
Number of iterations	2		
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.20	--	
Stiffness matrix determinant	4.63e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 2 - Second-order (P-Δ) Picard 100 1			





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
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Static Analysis

	Description	Value	Unit	Notes
	Analysis type	Second-order (P-Δ)		
	Iterative method	Picard		
	Maximum number of iterations	100		
	Number of load increments	1		
	Modify loading by multiplier factor	<input type="checkbox"/>		
	Consider favorable effects due to tension forces of members	<input checked="" type="checkbox"/>		
	Asymmetric direct solver	<input checked="" type="checkbox"/>		
	Method for Equation System	Direct		
	Plate bending theory	Mindlin		
	 CO5 - 1.35 * LC1 + 1.35 * LC2 + 0.75 * LC3 + 1.50 * LC4			
	Sum of loads and sum of support forces			
	Sum of loads in X	0.00	kN	
	Sum of support forces in X	0.00	kN	
	Sum of loads in Y	0.00	kN	
	Sum of support forces in Y	0.00	kN	
	Sum of loads in Z	1189.07	kN	
	Sum of support forces in Z	1189.07	kN	Deviation: 0.00 %
	Resultant of reactions			
	Resultant of reactions about X	2.15	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
	Resultant of reactions about Y	23.71	kNm	At center of gravity of model
	Resultant of reactions about Z	0.00	kNm	At center of gravity of model
	Maximum deformations			
	Maximum displacement in X-direction	-1.2	mm	Member No. 76, x: 1.960 m
	Maximum displacement in Y-direction	0.7	mm	Member No. 84, x: 0.000 m
	Maximum displacement in Z-direction	11.8	mm	Member No. 76, x: 1.960 m
	Maximum vectorial displacement	11.8	mm	Member No. 76, x: 1.960 m
	Maximum rotation about X-axis	8.3	mrad	Member No. 85, x: 1.700 m
	Maximum rotation about Y-axis	7.8	mrad	Member No. 84, x: 6.800 m
	Maximum rotation about Z-axis	-1.1	mrad	Member No. 85, x: 0.000 m
	Calculation statistic			
	Number of iterations	2		
	Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
	Minimum value of element of stiffness matrix on diagonal	30005.10	--	
	Stiffness matrix determinant	5.45e+127488	--	
	Infinity Norm	5.82e+11	--	
	Static Analysis Settings No. 2 - Second-order (P-Δ) Picard 100 1			
	Analysis type	Second-order (P-Δ)		
	Iterative method	Picard		
	Maximum number of iterations	100		
	Number of load increments	1		
	Modify loading by multiplier factor	<input type="checkbox"/>		
	Consider favorable effects due to tension forces of members	<input checked="" type="checkbox"/>		
	Asymmetric direct solver	<input checked="" type="checkbox"/>		
	Method for Equation System	Direct		
	Plate bending theory	Mindlin		
	 CO6 - LC1 + LC2			
	Sum of loads and sum of support forces			
	Sum of loads in X	0.00	kN	
	Sum of support forces in X	0.00	kN	
	Sum of loads in Y	0.00	kN	
	Sum of support forces in Y	0.00	kN	
	Sum of loads in Z	717.36	kN	
	Sum of support forces in Z	717.36	kN	Deviation: 0.00 %
	Resultant of reactions			
	Resultant of reactions about X	1.28	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
	Resultant of reactions about Y	-2.89	kNm	At center of gravity of model
	Resultant of reactions about Z	0.00	kNm	At center of gravity of model
	Maximum deformations			
	Maximum displacement in X-direction	-1.0	mm	Member No. 76, x: 0.000 m
	Maximum displacement in Y-direction	0.6	mm	Member No. 84, x: 0.000 m
	Maximum displacement in Z-direction	10.0	mm	Member No. 76, x: 0.000 m
	Maximum vectorial displacement	10.1	mm	Member No. 76, x: 0.000 m
	Maximum rotation about X-axis	6.2	mrad	Member No. 211, x: 0.618 m
	Maximum rotation about Y-axis	3.8	mrad	Member No. 76, x: 3.967 m
	Maximum rotation about Z-axis	0.7	mrad	Member No. 211, x: 0.258 m
	Calculation statistic			
	Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
	Minimum value of element of stiffness matrix on diagonal	30007.30	--	



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Static Analysis

Description		Value	Unit	Notes
Stiffness matrix determinant		3.12e+127489	--	
Infinity Norm		5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear				
Analysis type		Geometrically linear		
Modify loading by multiplier factor		<input type="checkbox"/>		
Asymmetric direct solver		<input checked="" type="checkbox"/>		
Method for Equation System		Direct		
Plate bending theory		Mindlin		
SCh CO7 - LC1 + LC2 + LC3				
Sum of loads and sum of support forces				
Sum of loads in X		0.00	kN	
Sum of support forces in X		0.00	kN	
Sum of loads in Y		0.00	kN	
Sum of support forces in Y		0.00	kN	
Sum of loads in Z		2182.32	kN	
Sum of support forces in Z		2182.32	kN	Deviation: 0.00 %
Resultant of reactions				
Resultant of reactions about X		4.08	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y		-9.27	kNm	At center of gravity of model
Resultant of reactions about Z		0.00	kNm	At center of gravity of model
Maximum deformations				
Maximum displacement in X-direction		-3.2	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction		1.8	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction		30.7	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement		30.9	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis		19.1	mrad	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis		11.5	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis		2.1	mrad	Member No. 211, x: 0.258 m
Calculation statistic				
Maximum value of element of stiffness matrix on diagonal		2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal		30007.30	--	
Stiffness matrix determinant		3.12e+127489	--	
Infinity Norm		5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear				
Analysis type		Geometrically linear		
Modify loading by multiplier factor		<input type="checkbox"/>		
Asymmetric direct solver		<input checked="" type="checkbox"/>		
Method for Equation System		Direct		
Plate bending theory		Mindlin		
SCh CO8 - LC1 + LC2 + LC3 + 0.60 * LC4				
Sum of loads and sum of support forces				
Sum of loads in X		0.00	kN	
Sum of support forces in X		0.00	kN	
Sum of loads in Y		0.00	kN	
Sum of support forces in Y		0.00	kN	
Sum of loads in Z		1831.08	kN	
Sum of support forces in Z		1831.08	kN	Deviation: 0.00 %
Resultant of reactions				
Resultant of reactions about X		3.41	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y		3.69	kNm	At center of gravity of model
Resultant of reactions about Z		0.00	kNm	At center of gravity of model
Maximum deformations				
Maximum displacement in X-direction		-2.4	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction		1.4	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction		23.5	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement		23.6	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis		14.8	mrad	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis		9.9	mrad	Member No. 84, x: 6.800 m
Maximum rotation about Z-axis		1.7	mrad	Member No. 211, x: 0.258 m
Calculation statistic				
Maximum value of element of stiffness matrix on diagonal		2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal		30007.30	--	
Stiffness matrix determinant		3.12e+127489	--	
Infinity Norm		5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear				
Analysis type		Geometrically linear		





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Static Analysis

Description	Value	Unit	Notes
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
SCh CO9 - LC1 + LC2 + LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	131.97	kN	
Sum of support forces in Z	131.97	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	0.15	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	18.69	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	0.2	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	-0.1	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	-2.0	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	2.0	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	2.0	mrاد	Member No. 85, x: 1.700 m
Maximum rotation about Y-axis	-1.9	mrاد	Member No. 81, x: 0.000 m
Maximum rotation about Z-axis	-0.3	mrاد	Member No. 85, x: 0.000 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
SCh CO10 - LC1 + LC2 + 0.50 * LC3 + LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	864.45	kN	
Sum of support forces in Z	864.45	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	1.56	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	15.51	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-0.9	mm	Member No. 76, x: 1.960 m
Maximum displacement in Y-direction	0.5	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	8.8	mm	Member No. 76, x: 1.960 m
Maximum vectorial displacement	8.8	mm	Member No. 76, x: 1.960 m
Maximum rotation about X-axis	5.9	mrاد	Member No. 85, x: 1.700 m
Maximum rotation about Y-axis	5.5	mrاد	Member No. 84, x: 6.800 m
Maximum rotation about Z-axis	-0.8	mrاد	Member No. 85, x: 0.000 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		





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Static Analysis

Description	Value	Unit	Notes
CO11 - 1.60 * LC1 + 1.60 * LC2			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	1147.78	kN	
Sum of support forces in Z	1147.78	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	2.05	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-4.63	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-1.7	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.9	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	16.0	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	16.1	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	10.0	mrad	Member No. 211, x: 0.618 m
Maximum rotation about Y-axis	6.0	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	1.1	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
CO12 - 1.60 * LC1 + 1.60 * LC2 + LC3			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	2612.74	kN	
Sum of support forces in Z	2612.74	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	4.85	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-10.99	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-3.8	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	2.2	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	36.7	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	36.9	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	22.8	mrad	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	13.7	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	2.6	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
CO13 - 1.60 * LC1 + 1.60 * LC2 + LC3 + 0.60 * LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	



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SUMMARY

Static Analysis

Description	Value	Unit	Notes
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	2261.50	kN	
Sum of support forces in Z	2261.50	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	4.18	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	1.95	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-3.1	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	1.8	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	29.5	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	29.6	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	18.6	mrad	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	12.1	mrad	Member No. 84, x: 6.800 m
Maximum rotation about Z-axis	2.1	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		

CO14 - 1.60 * LC1 + 1.60 * LC2 + LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	562.39	kN	
Sum of support forces in Z	562.39	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	0.92	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	16.96	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-0.5	mm	Member No. 76, x: 2.440 m
Maximum displacement in Y-direction	0.3	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	4.9	mm	Member No. 76, x: 2.440 m
Maximum vectorial displacement	5.0	mm	Member No. 76, x: 2.440 m
Maximum rotation about X-axis	4.3	mrad	Member No. 85, x: 1.700 m
Maximum rotation about Y-axis	4.0	mrad	Member No. 84, x: 6.800 m
Maximum rotation about Z-axis	-0.6	mrad	Member No. 85, x: 0.000 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		

CO15 - 1.60 * LC1 + 1.60 * LC2 + 0.50 * LC3 + LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	1294.86	kN	
Sum of support forces in Z	1294.86	kN	Deviation: 0.00 %
Resultant of reactions			



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SUMMARY

Static Analysis

Description	Value	Unit	Notes
Resultant of reactions about X	2.32	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	13.77	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-1.5	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.9	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	14.3	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	14.4	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	9.3	mrاد	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	7.7	mrاد	Member No. 84, x: 6.800 m
Maximum rotation about Z-axis	-1.1	mrاد	Member No. 85, x: 0.000 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		

CO16 - LC1 + LC2			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	717.36	kN	
Sum of support forces in Z	717.36	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	1.28	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-2.89	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-1.0	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.6	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	10.0	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	10.1	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	6.2	mrاد	Member No. 211, x: 0.618 m
Maximum rotation about Y-axis	3.8	mrاد	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	0.7	mrاد	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		

CO17 - LC1 + LC2 + 0.20 * LC3			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	1010.35	kN	
Sum of support forces in Z	1010.35	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	1.84	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-4.17	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			



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SUMMARY

Static Analysis

Description	Value	Unit	Notes
Maximum displacement in X-direction	-1.5	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.8	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	14.2	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	14.2	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	8.8	mrاد	Member No. 211, x: 0.644 m
Maximum rotation about Y-axis	5.3	mrاد	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	1.0	mrاد	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
CO18 - LC1 + LC2 + 0.20 * LC4			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	600.28	kN	
Sum of support forces in Z	600.28	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	1.05	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	1.43	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-0.8	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.5	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	7.6	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	7.7	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	4.8	mrاد	Member No. 211, x: 0.618 m
Maximum rotation about Y-axis	3.2	mrاد	Member No. 84, x: 6.800 m
Maximum rotation about Z-axis	0.5	mrاد	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		
CO19 - LC1 + LC2			
Sum of loads and sum of support forces			
Sum of loads in X	0.00	kN	
Sum of support forces in X	0.00	kN	
Sum of loads in Y	0.00	kN	
Sum of support forces in Y	0.00	kN	
Sum of loads in Z	717.36	kN	
Sum of support forces in Z	717.36	kN	Deviation: 0.00 %
Resultant of reactions			
Resultant of reactions about X	1.28	kNm	At center of gravity of model (-6.284, -12.773, -0.374 m)
Resultant of reactions about Y	-2.89	kNm	At center of gravity of model
Resultant of reactions about Z	0.00	kNm	At center of gravity of model
Maximum deformations			
Maximum displacement in X-direction	-1.0	mm	Member No. 76, x: 0.000 m
Maximum displacement in Y-direction	0.6	mm	Member No. 84, x: 0.000 m
Maximum displacement in Z-direction	10.0	mm	Member No. 76, x: 0.000 m
Maximum vectorial displacement	10.1	mm	Member No. 76, x: 0.000 m
Maximum rotation about X-axis	6.2	mrاد	Member No. 211, x: 0.618 m



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Static Analysis

Description	Value	Unit	Notes
Maximum rotation about Y-axis	3.8	mrad	Member No. 76, x: 3.967 m
Maximum rotation about Z-axis	0.7	mrad	Member No. 211, x: 0.258 m
Calculation statistic			
Maximum value of element of stiffness matrix on diagonal	2.66e+11	--	
Minimum value of element of stiffness matrix on diagonal	30007.30	--	
Stiffness matrix determinant	3.12e+127489	--	
Infinity Norm	5.82e+11	--	
Static Analysis Settings No. 1 - Geometrically linear			
Analysis type	Geometrically linear		
Modify loading by multiplier factor	<input type="checkbox"/>		
Asymmetric direct solver	<input checked="" type="checkbox"/>		
Method for Equation System	Direct		
Plate bending theory	Mindlin		

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
1	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
6	LC1	0.00	0.00	0.04	0.00	0.00	0.00	
9	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
12	LC1	0.00	0.00	0.03	0.00	0.00	0.00	
14	LC1	0.10	0.00	0.11	0.00	0.00	0.00	
17	LC1	-0.17	0.00	0.06	0.00	0.00	0.00	
19	LC1	0.10	0.00	0.10	0.00	0.00	0.00	
22	LC1	-0.14	0.00	0.06	0.00	0.00	0.00	
24	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
27	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
29	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
32	LC1	-0.10	0.00	0.11	0.00	0.00	0.00	
34	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
37	LC1	-0.06	0.00	0.11	0.00	0.00	0.00	
39	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
42	LC1	0.00	0.00	0.06	0.00	0.00	0.00	
44	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
47	LC1	-0.12	0.00	0.10	0.00	0.00	0.00	
49	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
52	LC1	-0.09	0.00	0.10	0.00	0.00	0.00	
54	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
57	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
59	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
62	LC1	-0.12	0.00	0.10	0.00	0.00	0.00	
64	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
67	LC1	-0.08	0.00	0.10	0.00	0.00	0.00	
69	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
72	LC1	0.00	0.00	0.06	0.00	0.00	0.00	
74	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
77	LC1	-0.12	0.00	0.10	0.00	0.00	0.00	
79	LC1	0.08	0.00	0.10	0.00	0.00	0.00	
82	LC1	-0.10	0.00	0.10	0.00	0.00	0.00	
84	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
87	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
89	LC1	0.07	0.00	0.10	0.00	0.00	0.00	
92	LC1	-0.10	0.00	0.10	0.00	0.00	0.00	
94	LC1	0.07	0.00	0.09	0.00	0.00	0.00	
97	LC1	-0.02	0.00	0.09	0.00	0.00	0.00	
99	LC1	0.00	0.00	0.07	0.00	0.00	0.00	
102	LC1	0.00	0.00	0.05	0.00	0.00	0.00	
104	LC1	0.13	0.00	0.12	0.00	0.00	0.00	
107	LC1	-0.09	0.00	0.11	0.00	0.00	0.00	
109	LC1	0.14	0.00	0.14	0.00	0.00	0.00	
112	LC1	-0.25	0.00	0.14	0.00	0.00	0.00	
114	LC1	0.00	-0.01	0.07	0.00	0.00	0.01	
117	LC1	0.00	-0.01	0.07	0.00	0.00	-0.01	
126	LC1	0.00	0.00	0.06	0.00	0.00	0.00	
127	LC1	0.02	0.00	0.51	0.00	0.00	0.02	
130	LC1	0.03	0.00	0.65	0.00	0.00	0.00	
133	LC1	0.03	0.00	0.62	0.00	0.00	0.00	
136	LC1	0.03	0.00	0.63	0.00	0.00	0.00	
139	LC1	0.03	0.00	0.63	0.00	0.00	0.00	
142	LC1	0.03	0.00	0.61	0.00	0.00	0.00	
145	LC1	0.04	0.00	0.70	0.00	0.00	0.02	
148	LC1	0.04	0.01	0.31	0.00	0.00	-0.03	
149	LC1	0.00	0.00	0.06	0.00	0.00	0.00	

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
150	LC1	-0.02	0.00	0.50	0.00	0.00	-0.02	
153	LC1	-0.03	0.00	0.64	0.00	0.00	0.01	
156	LC1	-0.03	0.00	0.63	0.00	0.00	0.00	
159	LC1	-0.03	0.00	0.57	0.00	0.00	0.01	
162	LC1	-0.05	0.00	0.80	0.00	0.00	-0.05	
166	LC1	-0.04	0.00	0.66	0.00	0.00	0.08	
168	LC1	0.00	0.00	0.04	0.00	0.00	0.00	
169	LC1	0.04	0.01	0.30	0.00	0.00	-0.05	
170	LC1	0.02	0.00	0.50	0.00	0.00	0.02	
173	LC1	0.03	0.00	0.64	0.00	0.00	-0.01	
176	LC1	0.03	0.00	0.61	0.00	0.00	0.00	
179	LC1	0.03	0.00	0.62	0.00	0.00	0.00	
182	LC1	0.03	0.00	0.62	0.00	0.00	0.00	
185	LC1	0.03	0.00	0.60	0.00	0.00	-0.01	
188	LC1	0.04	0.00	0.70	0.00	0.00	0.02	
191	LC1	0.00	0.00	0.04	0.00	0.00	0.00	
192	LC1	-0.04	0.01	0.31	0.00	0.00	0.04	
193	LC1	-0.02	0.00	0.51	0.00	0.00	-0.02	
196	LC1	-0.02	0.00	0.66	0.00	0.00	0.01	
199	LC1	-0.02	0.00	0.63	0.00	0.00	0.00	
202	LC1	-0.02	0.00	0.63	0.00	0.00	0.00	
205	LC1	-0.02	0.00	0.64	0.00	0.00	0.00	
208	LC1	-0.02	0.00	0.61	0.00	0.00	0.00	
211	LC1	-0.03	0.00	0.72	0.00	0.00	-0.02	
214	LC1	0.00	0.00	0.05	0.00	0.00	0.00	
215	LC1	0.04	0.01	0.31	0.00	0.00	-0.04	
216	LC1	0.02	0.00	0.51	0.00	0.00	0.02	
219	LC1	0.02	0.00	0.66	0.00	0.00	-0.01	
222	LC1	0.02	0.00	0.63	0.00	0.00	0.00	
225	LC1	0.02	0.00	0.63	0.00	0.00	0.00	
228	LC1	0.02	0.00	0.64	0.00	0.00	0.00	
231	LC1	0.02	0.00	0.61	0.00	0.00	0.00	
234	LC1	0.03	0.00	0.72	0.00	0.00	0.02	
237	LC1	0.04	0.00	0.06	0.00	0.00	0.00	
238	LC1	0.01	0.01	0.29	0.00	0.00	0.02	
239	LC1	0.03	0.00	0.48	0.00	0.00	-0.01	
242	LC1	0.02	0.00	0.61	0.00	0.00	0.00	
245	LC1	0.03	0.00	0.59	0.00	0.00	0.00	
248	LC1	0.02	0.00	0.59	0.00	0.00	0.00	
251	LC1	0.02	0.00	0.60	0.00	0.00	0.00	
254	LC1	0.03	0.00	0.58	0.00	0.00	0.00	
257	LC1	0.02	0.00	0.66	0.00	0.00	-0.01	
260	LC1	-0.04	0.00	0.06	0.00	0.00	0.00	
261	LC1	-0.01	0.01	0.29	0.00	0.00	-0.02	
262	LC1	-0.03	0.00	0.48	0.00	0.00	0.01	
265	LC1	-0.02	0.00	0.61	0.00	0.00	0.00	
268	LC1	-0.03	0.00	0.59	0.00	0.00	0.00	
271	LC1	-0.02	0.00	0.59	0.00	0.00	0.00	
274	LC1	-0.02	0.00	0.60	0.00	0.00	0.00	
277	LC1	-0.03	0.00	0.58	0.00	0.00	0.00	
280	LC1	-0.02	0.00	0.66	0.00	0.00	0.01	
283	LC1	0.00	-0.01	0.04	0.00	0.00	0.00	
285	LC1	-0.01	0.00	0.54	0.00	0.00	-0.02	
288	LC1	-0.03	0.00	0.63	0.00	0.00	0.00	
291	LC1	-0.03	0.00	0.62	0.00	0.00	0.00	
294	LC1	-0.02	0.00	0.59	0.00	0.00	0.01	
297	LC1	-0.03	0.00	0.72	0.00	0.00	-0.03	
301	LC1	-0.02	0.00	0.66	0.00	0.00	0.05	
326	LC1	0.00	0.00	0.05	0.00	0.00	0.00	
327	LC1	0.02	0.00	0.37	0.00	0.00	0.02	
330	LC1	0.02	0.00	0.47	0.00	0.00	0.00	
333	LC1	0.02	0.00	0.46	0.00	0.00	0.00	
336	LC1	0.02	0.00	0.46	0.00	0.00	0.00	
339	LC1	0.02	0.00	0.46	0.00	0.00	0.00	
342	LC1	0.02	0.00	0.45	0.00	0.00	0.00	
345	LC1	0.03	0.00	0.50	0.00	0.00	0.01	
348	LC1	0.03	-0.01	0.22	0.00	0.00	-0.03	
349	LC1	-0.03	0.00	0.22	0.00	0.00	0.04	
350	LC1	-0.01	0.00	0.37	0.00	0.00	-0.02	
353	LC1	-0.02	0.00	0.47	0.00	0.00	0.00	
356	LC1	-0.02	0.00	0.45	0.00	0.00	0.00	
359	LC1	-0.02	0.00	0.46	0.00	0.00	0.00	
362	LC1	-0.02	0.00	0.46	0.00	0.00	0.00	
365	LC1	-0.02	0.00	0.45	0.00	0.00	0.00	
368	LC1	-0.02	0.00	0.50	0.00	0.00	-0.01	
372	LC1	0.00	0.00	0.05	0.00	0.00	0.00	
373	LC1	0.03	0.00	0.22	0.00	0.00	-0.04	

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
374	LC1		0.01	0.00	0.37	0.00	0.00	0.02	
377	LC1		0.02	0.00	0.47	0.00	0.00	0.00	
380	LC1		0.02	0.00	0.45	0.00	0.00	0.00	
383	LC1		0.02	0.00	0.46	0.00	0.00	0.00	
386	LC1		0.02	0.00	0.46	0.00	0.00	0.00	
389	LC1		0.02	0.00	0.45	0.00	0.00	0.00	
392	LC1		0.02	0.00	0.50	0.00	0.00	0.01	
396	LC1		0.00	0.00	0.05	0.00	0.00	0.00	
397	LC1		-0.06	0.00	0.19	0.00	0.00	0.03	
401	LC1		-0.03	0.00	0.20	0.00	0.00	-0.03	
404	LC1		0.01	0.00	0.50	0.00	0.00	0.01	
407	LC1		0.01	0.00	0.46	0.00	0.00	0.00	
410	LC1		0.02	0.00	0.47	0.00	0.00	0.00	
413	LC1		-0.03	0.00	0.44	0.00	0.00	0.00	
416	LC1		0.00	0.00	0.59	0.00	0.00	-0.01	
Total max/min values with corresponding values									
109	LC1	P _x	0.14	0.00	0.14	0.00	0.00	0.00	
112			-0.25	0.00	0.14	0.00	0.00	0.00	
192		P _y	-0.04	0.01	0.31	0.00	0.00	0.04	
114			0.00	-0.01	0.07	0.00	0.00	0.01	
162		P _z	-0.05	0.00	0.80	0.00	0.00	-0.05	
12			0.00	0.00	0.03	0.00	0.00	0.00	
1		M _k	0.00	0.00	0.07	0.00	0.00	0.00	
1			0.00	0.00	0.07	0.00	0.00	0.00	
1		M _y	0.00	0.00	0.07	0.00	0.00	0.00	
1			0.00	0.00	0.07	0.00	0.00	0.00	
166		M _z	-0.04	0.00	0.66	0.00	0.00	0.08	
162			-0.05	0.00	0.80	0.00	0.00	-0.05	
Sum of loads and sum of support forces									
Σ	LC1		P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ			0.00	0.00	52.54	Support Forces			
Σ			0.00	0.00	52.54				
1	LC2		0.00	-0.02	0.81	0.00	0.00	0.01	
6	LC2		-0.01	-0.01	0.41	0.00	0.00	-0.01	
9	LC2		0.00	0.05	1.60	0.00	0.00	-0.03	
12	LC2		-0.02	0.04	0.80	0.00	0.00	0.03	
14	LC2		1.45	0.02	2.15	0.00	0.00	-0.02	
17	LC2		-2.28	0.02	1.15	0.00	0.00	0.02	
19	LC2		1.41	-0.03	2.08	0.00	0.00	0.03	
22	LC2		-1.99	-0.02	1.11	0.00	0.00	-0.03	
24	LC2		0.00	-0.01	1.60	0.00	0.00	0.01	
27	LC2		-0.01	0.06	1.20	0.00	0.00	0.02	
29	LC2		1.20	0.02	1.98	0.00	0.00	-0.02	
32	LC2		-1.42	0.02	2.15	0.00	0.00	0.02	
34	LC2		1.21	-0.02	2.00	0.00	0.00	0.02	
37	LC2		-1.02	-0.02	2.08	0.00	0.00	-0.03	
39	LC2		0.00	0.00	1.60	0.00	0.00	0.00	
42	LC2		0.01	-0.01	1.53	0.00	0.00	0.00	
44	LC2		1.25	0.02	2.02	0.00	0.00	-0.02	
47	LC2		-1.72	0.02	2.00	0.00	0.00	0.02	
49	LC2		1.25	-0.02	2.02	0.00	0.00	0.02	
52	LC2		-1.34	-0.02	2.00	0.00	0.00	-0.02	
54	LC2		0.00	0.00	1.60	0.00	0.00	0.00	
57	LC2		0.01	0.00	1.55	0.00	0.00	0.00	
59	LC2		1.23	0.02	2.01	0.00	0.00	-0.02	
62	LC2		-1.65	0.02	2.02	0.00	0.00	0.02	
64	LC2		1.23	-0.02	2.01	0.00	0.00	0.02	
67	LC2		-1.21	-0.02	2.01	0.00	0.00	-0.02	
69	LC2		0.00	0.00	1.60	0.00	0.00	0.00	
72	LC2		0.01	0.00	1.54	0.00	0.00	0.00	
74	LC2		1.26	0.02	2.02	0.00	0.00	-0.03	
77	LC2		-1.71	0.02	2.02	0.00	0.00	0.02	
79	LC2		1.26	-0.02	2.03	0.00	0.00	0.02	
82	LC2		-1.45	-0.02	2.03	0.00	0.00	-0.02	
84	LC2		0.00	-0.01	1.60	0.00	0.00	0.01	
87	LC2		0.00	-0.01	1.59	0.00	0.00	0.00	
89	LC2		1.13	0.02	1.97	0.00	0.00	-0.02	
92	LC2		-1.49	0.02	1.99	0.00	0.00	0.02	
94	LC2		1.11	-0.02	1.92	0.00	0.00	0.02	
97	LC2		-0.44	-0.02	1.86	0.00	0.00	-0.02	
99	LC2		0.00	0.04	1.60	0.00	0.00	-0.02	
102	LC2		0.03	0.03	1.30	0.00	0.00	0.02	
104	LC2		1.79	0.04	2.22	0.00	0.00	-0.05	
107	LC2		-1.06	0.03	2.18	0.00	0.00	0.04	
109	LC2		1.95	-0.01	2.48	0.00	0.00	0.02	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
112	LC2	-3.30	-0.01	2.46	0.00	0.00	-0.02	
114	LC2	0.00	-0.18	0.80	0.00	0.00	0.11	
117	LC2	-0.01	-0.17	0.92	0.00	0.00	-0.11	
126	LC2	0.00	0.01	0.04	0.00	0.00	-0.01	
127	LC2	0.28	-0.02	6.25	0.00	0.00	0.21	
130	LC2	0.41	0.01	8.04	0.00	0.00	-0.06	
133	LC2	0.38	0.00	7.72	0.00	0.00	0.01	
136	LC2	0.38	0.00	7.78	0.00	0.00	-0.01	
139	LC2	0.39	0.00	7.84	0.00	0.00	0.01	
142	LC2	0.36	0.00	7.56	0.00	0.00	-0.05	
145	LC2	0.47	-0.02	8.69	0.00	0.00	0.20	
148	LC2	0.49	0.07	3.11	0.00	0.00	-0.40	
149	LC2	0.00	0.01	0.02	0.00	0.00	0.01	
150	LC2	-0.27	-0.02	6.18	0.00	0.00	-0.21	
153	LC2	-0.42	0.01	8.00	0.00	0.00	0.08	
156	LC2	-0.40	0.00	7.91	0.00	0.00	-0.05	
159	LC2	-0.33	0.01	7.01	0.00	0.00	0.18	
162	LC2	-0.59	-0.04	10.27	0.00	0.00	-0.66	
166	LC2	-0.39	0.06	7.27	0.00	0.00	1.30	
168	LC2	0.00	0.01	-0.06	0.00	0.00	-0.02	
169	LC2	0.53	0.07	3.03	0.00	0.00	-0.55	
170	LC2	0.28	-0.02	5.97	0.00	0.00	0.25	
173	LC2	0.40	0.00	7.68	0.00	0.00	-0.07	
176	LC2	0.37	0.00	7.34	0.00	0.00	0.02	
179	LC2	0.38	0.00	7.41	0.00	0.00	-0.01	
182	LC2	0.38	0.00	7.46	0.00	0.00	0.02	
185	LC2	0.35	0.00	7.16	0.00	0.00	-0.06	
188	LC2	0.47	-0.02	8.38	0.00	0.00	0.24	
191	LC2	0.00	0.01	-0.07	0.00	0.00	0.02	
192	LC2	-0.45	0.08	3.17	0.00	0.00	0.50	
193	LC2	-0.22	-0.02	6.20	0.00	0.00	-0.20	
196	LC2	-0.28	0.01	7.98	0.00	0.00	0.07	
199	LC2	-0.25	0.00	7.62	0.00	0.00	-0.02	
202	LC2	-0.26	0.00	7.69	0.00	0.00	0.01	
205	LC2	-0.26	0.00	7.75	0.00	0.00	-0.02	
208	LC2	-0.24	0.00	7.42	0.00	0.00	0.06	
211	LC2	-0.33	-0.02	8.72	0.00	0.00	-0.23	
214	LC2	0.00	0.01	-0.07	0.00	0.00	-0.02	
215	LC2	0.45	0.08	3.17	0.00	0.00	-0.50	
216	LC2	0.22	-0.02	6.20	0.00	0.00	0.20	
219	LC2	0.28	0.00	7.98	0.00	0.00	-0.06	
222	LC2	0.25	0.00	7.62	0.00	0.00	0.02	
225	LC2	0.26	0.00	7.69	0.00	0.00	-0.01	
228	LC2	0.26	0.00	7.75	0.00	0.00	0.02	
231	LC2	0.24	0.00	7.42	0.00	0.00	-0.06	
234	LC2	0.33	-0.02	8.72	0.00	0.00	0.23	
237	LC2	0.38	0.01	0.13	0.00	0.00	0.01	
238	LC2	0.03	0.07	2.84	0.00	0.00	0.23	
239	LC2	0.87	-0.02	5.85	0.00	0.00	-0.10	
242	LC2	0.75	0.01	7.51	0.00	0.00	0.03	
245	LC2	0.79	0.00	7.25	0.00	0.00	-0.01	
248	LC2	0.78	0.00	7.30	0.00	0.00	0.00	
251	LC2	0.78	0.00	7.33	0.00	0.00	-0.01	
254	LC2	0.81	0.00	7.13	0.00	0.00	0.03	
257	LC2	0.68	-0.02	8.02	0.00	0.00	-0.12	
260	LC2	-0.38	0.01	0.13	0.00	0.00	-0.01	
261	LC2	-0.03	0.07	2.84	0.00	0.00	-0.23	
262	LC2	-0.87	-0.02	5.85	0.00	0.00	0.10	
265	LC2	-0.75	0.01	7.51	0.00	0.00	-0.03	
268	LC2	-0.79	0.00	7.25	0.00	0.00	0.01	
271	LC2	-0.78	0.00	7.30	0.00	0.00	0.00	
274	LC2	-0.78	0.00	7.33	0.00	0.00	0.01	
277	LC2	-0.81	0.00	7.13	0.00	0.00	-0.03	
280	LC2	-0.68	-0.02	8.02	0.00	0.00	0.12	
283	LC2	0.00	-0.07	-0.06	0.00	0.00	-0.03	
285	LC2	-0.10	0.01	6.50	0.00	0.00	-0.22	
288	LC2	-0.35	0.00	7.55	0.00	0.00	0.06	
291	LC2	-0.31	0.00	7.46	0.00	0.00	-0.04	
294	LC2	-0.28	0.00	7.00	0.00	0.00	0.10	
297	LC2	-0.40	0.01	8.83	0.00	0.00	-0.44	
301	LC2	-0.17	0.04	7.31	0.00	0.00	0.89	
326	LC2	0.00	-0.01	0.12	0.00	0.00	-0.02	
327	LC2	0.22	0.03	4.70	0.00	0.00	0.20	
330	LC2	0.31	-0.01	6.03	0.00	0.00	-0.04	
333	LC2	0.30	0.00	5.84	0.00	0.00	0.01	
336	LC2	0.30	0.00	5.88	0.00	0.00	0.00	
339	LC2	0.30	0.00	5.90	0.00	0.00	0.01	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
342	LC2	0.29	-0.01	5.76	0.00	0.00	-0.03	
345	LC2	0.34	0.03	6.39	0.00	0.00	0.14	
348	LC2	0.38	-0.10	2.24	0.00	0.00	-0.43	
349	LC2	-0.33	0.00	2.22	0.00	0.00	0.46	
350	LC2	-0.18	0.00	4.66	0.00	0.00	-0.20	
353	LC2	-0.24	0.00	5.96	0.00	0.00	0.04	
356	LC2	-0.23	0.00	5.78	0.00	0.00	-0.01	
359	LC2	-0.23	0.00	5.82	0.00	0.00	0.00	
362	LC2	-0.23	0.00	5.84	0.00	0.00	-0.01	
365	LC2	-0.23	0.00	5.70	0.00	0.00	0.03	
368	LC2	-0.26	0.00	6.33	0.00	0.00	-0.15	
372	LC2	0.00	0.00	0.11	0.00	0.00	0.02	
373	LC2	0.33	-0.01	2.22	0.00	0.00	-0.46	
374	LC2	0.19	0.00	4.65	0.00	0.00	0.19	
377	LC2	0.24	-0.03	5.97	0.00	0.00	-0.03	
380	LC2	0.23	0.01	5.78	0.00	0.00	0.01	
383	LC2	0.23	0.00	5.81	0.00	0.00	0.00	
386	LC2	0.23	0.00	5.84	0.00	0.00	0.01	
389	LC2	0.23	0.00	5.70	0.00	0.00	-0.03	
392	LC2	0.26	0.00	6.33	0.00	0.00	0.15	
396	LC2	0.00	0.00	0.11	0.00	0.00	-0.02	
397	LC2	-1.09	-0.05	1.65	0.00	0.00	0.34	
401	LC2	-0.33	0.03	2.06	0.00	0.00	-0.33	
404	LC2	0.14	0.00	6.37	0.00	0.00	0.09	
407	LC2	0.06	0.00	5.84	0.00	0.00	-0.01	
410	LC2	0.24	0.00	5.98	0.00	0.00	0.01	
413	LC2	-0.46	0.01	5.68	0.00	0.00	0.01	
416	LC2	0.03	0.00	7.60	0.00	0.00	-0.09	
Total max/min values with corresponding values								
109	LC2	P_x	1.95	-0.01	2.48	0.00	0.00	0.02
112			-3.30	-0.01	2.46	0.00	0.00	-0.02
192		P_y	-0.45	0.08	3.17	0.00	0.00	0.50
114			0.00	-0.18	0.80	0.00	0.00	0.11
162		P_z	-0.59	-0.04	10.27	0.00	0.00	-0.66
191			0.00	0.01	-0.07	0.00	0.00	0.02
1		M_x	0.00	-0.02	0.81	0.00	0.00	0.01
1			0.00	-0.02	0.81	0.00	0.00	0.01
1		M_y	0.00	-0.02	0.81	0.00	0.00	0.01
1			0.00	-0.02	0.81	0.00	0.00	0.01
166		M_z	-0.39	0.06	7.27	0.00	0.00	1.30
162			-0.59	-0.04	10.27	0.00	0.00	-0.66
Sum of loads and sum of support forces								
	LC2	P_x [kN]	P_y [kN]	P_z [kN]				
Σ		0.00	0.00	664.82	Loads			
Σ		0.00	0.00	664.82	Support Forces			
1	LC3	0.00	-0.04	1.78	0.00	0.00	0.02	
6	LC3	-0.02	-0.03	0.89	0.00	0.00	-0.02	
9	LC3	0.00	0.12	3.52	0.00	0.00	-0.08	
12	LC3	-0.04	0.08	1.77	0.00	0.00	0.07	
14	LC3	3.20	0.04	4.75	0.00	0.00	-0.05	
17	LC3	-5.02	0.04	2.54	0.00	0.00	0.05	
19	LC3	3.10	-0.06	4.57	0.00	0.00	0.07	
22	LC3	-4.39	-0.05	2.45	0.00	0.00	-0.06	
24	LC3	0.00	-0.03	3.52	0.00	0.00	0.02	
27	LC3	-0.02	0.12	2.65	0.00	0.00	0.05	
29	LC3	2.64	0.05	4.37	0.00	0.00	-0.05	
32	LC3	-3.13	0.04	4.75	0.00	0.00	0.06	
34	LC3	2.66	-0.05	4.41	0.00	0.00	0.05	
37	LC3	-2.24	-0.06	4.58	0.00	0.00	-0.07	
39	LC3	0.00	0.01	3.53	0.00	0.00	0.00	
42	LC3	0.02	-0.02	3.37	0.00	0.00	-0.01	
44	LC3	2.75	0.05	4.45	0.00	0.00	-0.05	
47	LC3	-3.79	0.05	4.40	0.00	0.00	0.05	
49	LC3	2.74	-0.05	4.44	0.00	0.00	0.05	
52	LC3	-2.95	-0.04	4.40	0.00	0.00	-0.05	
54	LC3	0.00	0.00	3.53	0.00	0.00	0.00	
57	LC3	0.01	0.00	3.42	0.00	0.00	0.00	
59	LC3	2.71	0.05	4.43	0.00	0.00	-0.05	
62	LC3	-3.64	0.05	4.45	0.00	0.00	0.05	
64	LC3	2.71	-0.05	4.42	0.00	0.00	0.05	
67	LC3	-2.66	-0.05	4.42	0.00	0.00	-0.05	
69	LC3	0.00	0.00	3.52	0.00	0.00	0.00	
72	LC3	0.02	0.00	3.39	0.00	0.00	0.00	
74	LC3	2.78	0.05	4.46	0.00	0.00	-0.06	
77	LC3	-3.77	0.05	4.45	0.00	0.00	0.05	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
79	Qs LC3	2.78	-0.05	4.48	0.00	0.00	0.05	
82	Qs LC3	-3.19	-0.04	4.48	0.00	0.00	-0.05	
84	Qs LC3	0.00	-0.02	3.53	0.00	0.00	0.01	
87	Qs LC3	0.00	-0.01	3.49	0.00	0.00	-0.01	
89	Qs LC3	2.49	0.04	4.35	0.00	0.00	-0.04	
92	Qs LC3	-3.29	0.04	4.38	0.00	0.00	0.05	
94	Qs LC3	2.45	-0.05	4.22	0.00	0.00	0.05	
97	Qs LC3	-0.97	-0.05	4.10	0.00	0.00	-0.05	
99	Qs LC3	0.00	0.09	3.52	0.00	0.00	-0.05	
102	Qs LC3	0.07	0.07	2.86	0.00	0.00	0.05	
104	Qs LC3	3.94	0.08	4.89	0.00	0.00	-0.10	
107	Qs LC3	-2.33	0.07	4.81	0.00	0.00	0.10	
109	Qs LC3	4.30	-0.02	5.47	0.00	0.00	0.05	
112	Qs LC3	-7.27	-0.02	5.41	0.00	0.00	-0.05	
114	Qs LC3	0.00	-0.40	1.76	0.00	0.00	0.25	
117	Qs LC3	-0.03	-0.38	2.03	0.00	0.00	-0.24	
126	Qs LC3	0.01	0.01	0.08	0.00	0.00	-0.02	
127	Qs LC3	0.62	-0.04	13.78	0.00	0.00	0.46	
130	Qs LC3	0.90	0.01	17.72	0.00	0.00	-0.12	
133	Qs LC3	0.83	0.00	17.01	0.00	0.00	0.03	
136	Qs LC3	0.84	0.00	17.15	0.00	0.00	-0.01	
139	Qs LC3	0.86	0.00	17.27	0.00	0.00	0.03	
142	Qs LC3	0.79	0.01	16.65	0.00	0.00	-0.11	
145	Qs LC3	1.04	-0.04	19.14	0.00	0.00	0.43	
148	Qs LC3	1.08	0.15	6.86	0.00	0.00	-0.89	
149	Qs LC3	-0.01	0.01	0.05	0.00	0.00	0.02	
150	Qs LC3	-0.60	-0.04	13.61	0.00	0.00	-0.47	
153	Qs LC3	-0.92	0.01	17.64	0.00	0.00	0.17	
156	Qs LC3	-0.89	-0.01	17.42	0.00	0.00	-0.10	
159	Qs LC3	-0.73	0.03	15.44	0.00	0.00	0.41	
162	Qs LC3	-1.29	-0.09	22.63	0.00	0.00	-1.46	
166	Qs LC3	-0.86	0.14	16.03	0.00	0.00	2.87	
168	Qs LC3	0.00	0.02	-0.13	0.00	0.00	-0.04	
169	Qs LC3	1.17	0.16	6.69	0.00	0.00	-1.21	
170	Qs LC3	0.63	-0.05	13.17	0.00	0.00	0.55	
173	Qs LC3	0.88	0.01	16.92	0.00	0.00	-0.15	
176	Qs LC3	0.81	0.00	16.17	0.00	0.00	0.04	
179	Qs LC3	0.83	0.00	16.32	0.00	0.00	-0.02	
182	Qs LC3	0.84	0.00	16.44	0.00	0.00	0.04	
185	Qs LC3	0.78	0.01	15.77	0.00	0.00	-0.14	
188	Qs LC3	1.03	-0.04	18.46	0.00	0.00	0.54	
191	Qs LC3	-0.01	0.02	-0.15	0.00	0.00	0.04	
192	Qs LC3	-0.98	0.17	6.99	0.00	0.00	1.10	
193	Qs LC3	-0.49	-0.05	13.67	0.00	0.00	-0.45	
196	Qs LC3	-0.62	0.01	17.58	0.00	0.00	0.14	
199	Qs LC3	-0.56	0.00	16.78	0.00	0.00	-0.04	
202	Qs LC3	-0.57	0.00	16.94	0.00	0.00	0.02	
205	Qs LC3	-0.58	0.00	17.07	0.00	0.00	-0.04	
208	Qs LC3	-0.53	0.01	16.36	0.00	0.00	0.13	
211	Qs LC3	-0.74	-0.04	19.22	0.00	0.00	-0.51	
214	Qs LC3	0.01	0.02	-0.15	0.00	0.00	-0.04	
215	Qs LC3	0.98	0.17	6.99	0.00	0.00	-1.10	
216	Qs LC3	0.49	-0.05	13.66	0.00	0.00	0.45	
219	Qs LC3	0.62	0.01	17.58	0.00	0.00	-0.14	
222	Qs LC3	0.56	0.00	16.78	0.00	0.00	0.04	
225	Qs LC3	0.57	0.00	16.94	0.00	0.00	-0.02	
228	Qs LC3	0.58	0.00	17.07	0.00	0.00	0.04	
231	Qs LC3	0.53	0.01	16.36	0.00	0.00	-0.13	
234	Qs LC3	0.74	-0.04	19.22	0.00	0.00	0.51	
237	Qs LC3	0.84	0.01	0.28	0.00	0.00	0.02	
238	Qs LC3	0.06	0.15	6.26	0.00	0.00	0.50	
239	Qs LC3	1.93	-0.05	12.88	0.00	0.00	-0.21	
242	Qs LC3	1.66	0.01	16.54	0.00	0.00	0.07	
245	Qs LC3	1.74	0.00	15.97	0.00	0.00	-0.02	
248	Qs LC3	1.72	0.00	16.08	0.00	0.00	0.01	
251	Qs LC3	1.71	0.00	16.16	0.00	0.00	-0.02	
254	Qs LC3	1.78	0.01	15.71	0.00	0.00	0.06	
257	Qs LC3	1.50	-0.04	17.67	0.00	0.00	-0.25	
260	Qs LC3	-0.84	0.01	0.28	0.00	0.00	-0.02	
261	Qs LC3	-0.06	0.15	6.26	0.00	0.00	-0.50	
262	Qs LC3	-1.93	-0.05	12.88	0.00	0.00	0.21	
265	Qs LC3	-1.66	0.01	16.54	0.00	0.00	-0.07	
268	Qs LC3	-1.74	0.00	15.97	0.00	0.00	0.02	
271	Qs LC3	-1.72	0.00	16.08	0.00	0.00	-0.01	
274	Qs LC3	-1.71	0.00	16.16	0.00	0.00	0.02	
277	Qs LC3	-1.78	0.01	15.71	0.00	0.00	-0.06	
280	Qs LC3	-1.50	-0.04	17.67	0.00	0.00	0.25	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
283	Qs LC3	0.00	-0.15	-0.13	0.00	0.00	-0.06	
285	Qs LC3	-0.22	0.03	14.32	0.00	0.00	-0.48	
288	Qs LC3	-0.76	0.01	16.64	0.00	0.00	0.13	
291	Qs LC3	-0.68	0.00	16.45	0.00	0.00	-0.09	
294	Qs LC3	-0.61	-0.01	15.43	0.00	0.00	0.22	
297	Qs LC3	-0.89	0.02	19.46	0.00	0.00	-0.98	
301	Qs LC3	-0.37	0.08	16.10	0.00	0.00	1.96	
326	Qs LC3	0.01	-0.02	0.27	0.00	0.00	-0.04	
327	Qs LC3	0.49	0.06	10.36	0.00	0.00	0.44	
330	Qs LC3	0.68	-0.02	13.28	0.00	0.00	-0.09	
333	Qs LC3	0.65	0.00	12.88	0.00	0.00	0.02	
336	Qs LC3	0.66	0.00	12.95	0.00	0.00	-0.01	
339	Qs LC3	0.66	0.00	13.00	0.00	0.00	0.02	
342	Qs LC3	0.64	-0.01	12.70	0.00	0.00	-0.07	
345	Qs LC3	0.75	0.06	14.09	0.00	0.00	0.32	
348	Qs LC3	0.84	-0.22	4.93	0.00	0.00	-0.96	
349	Qs LC3	-0.73	-0.01	4.89	0.00	0.00	1.02	
350	Qs LC3	-0.41	-0.01	10.26	0.00	0.00	-0.43	
353	Qs LC3	-0.53	0.00	13.14	0.00	0.00	0.10	
356	Qs LC3	-0.51	0.00	12.74	0.00	0.00	-0.02	
359	Qs LC3	-0.51	0.00	12.81	0.00	0.00	0.01	
362	Qs LC3	-0.52	0.00	12.87	0.00	0.00	-0.02	
365	Qs LC3	-0.50	0.00	12.56	0.00	0.00	0.08	
368	Qs LC3	-0.57	-0.01	13.95	0.00	0.00	-0.33	
372	Qs LC3	-0.01	0.00	0.25	0.00	0.00	0.05	
373	Qs LC3	0.73	-0.02	4.89	0.00	0.00	-1.02	
374	Qs LC3	0.41	0.00	10.25	0.00	0.00	0.43	
377	Qs LC3	0.53	-0.06	13.15	0.00	0.00	-0.06	
380	Qs LC3	0.50	0.02	12.74	0.00	0.00	0.02	
383	Qs LC3	0.51	0.00	12.81	0.00	0.00	-0.01	
386	Qs LC3	0.52	0.00	12.87	0.00	0.00	0.02	
389	Qs LC3	0.50	-0.01	12.56	0.00	0.00	-0.07	
392	Qs LC3	0.58	0.00	13.95	0.00	0.00	0.33	
396	Qs LC3	0.01	0.00	0.25	0.00	0.00	-0.05	
397	Qs LC3	-2.40	-0.12	3.63	0.00	0.00	0.75	
401	Qs LC3	-0.74	0.08	4.53	0.00	0.00	-0.73	
404	Qs LC3	0.30	-0.01	14.04	0.00	0.00	0.20	
407	Qs LC3	0.13	0.00	12.87	0.00	0.00	-0.03	
410	Qs LC3	0.53	-0.01	13.18	0.00	0.00	0.02	
413	Qs LC3	-1.02	0.03	12.51	0.00	0.00	0.02	
416	Qs LC3	0.07	-0.01	16.75	0.00	0.00	-0.19	
Total max/min values with corresponding values								
109	Qs LC3	P _x	4.30	-0.02	5.47	0.00	0.00	0.05
112			-7.27	-0.02	5.41	0.00	0.00	-0.05
192		P _y	-0.98	0.17	6.99	0.00	0.00	1.10
114			0.00	-0.40	1.76	0.00	0.00	0.25
162		P _z	-1.29	-0.09	22.63	0.00	0.00	-1.46
191			-0.01	0.02	-0.15	0.00	0.00	0.04
1		M _x	0.00	-0.04	1.78	0.00	0.00	0.02
1			0.00	-0.04	1.78	0.00	0.00	0.02
1		M _y	0.00	-0.04	1.78	0.00	0.00	0.02
1			0.00	-0.04	1.78	0.00	0.00	0.02
166		M _z	-0.86	0.14	16.03	0.00	0.00	2.87
162			-1.29	-0.09	22.63	0.00	0.00	-1.46
Sum of loads and sum of support forces								
	Qs LC3							
Σ		P _x [kN]	0.00	0.00	1464.96	Loads		
Σ			0.00	0.00	1464.96	Support Forces		
1	Qw LC4	0.00	0.01	-0.46	0.00	0.00	-0.01	
6	Qw LC4	0.00	0.01	-0.23	0.00	0.00	0.00	
9	Qw LC4	0.00	-0.03	-0.89	0.00	0.00	0.02	
12	Qw LC4	0.01	-0.02	-0.45	0.00	0.00	-0.01	
14	Qw LC4	-1.80	-0.01	-1.28	0.00	0.00	0.01	
17	Qw LC4	2.56	-0.01	-0.74	0.00	0.00	-0.01	
19	Qw LC4	-1.73	0.01	-1.23	0.00	0.00	-0.02	
22	Qw LC4	2.27	0.01	-0.70	0.00	0.00	0.01	
24	Qw LC4	0.00	0.01	-0.90	0.00	0.00	0.00	
27	Qw LC4	0.00	-0.02	-0.68	0.00	0.00	-0.01	
29	Qw LC4	-1.43	-0.01	-1.16	0.00	0.00	0.01	
32	Qw LC4	1.72	-0.01	-1.24	0.00	0.00	-0.01	
34	Qw LC4	-1.44	0.01	-1.17	0.00	0.00	-0.01	
37	Qw LC4	1.23	0.01	-1.21	0.00	0.00	0.01	
39	Qw LC4	0.00	0.00	-0.90	0.00	0.00	0.00	
42	Qw LC4	-0.01	0.01	-0.83	0.00	0.00	0.00	
44	Qw LC4	-1.50	-0.01	-1.19	0.00	0.00	0.01	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
47	Qw LC4	1.96	-0.01	-1.17	0.00	0.00	-0.01	
49	Qw LC4	-1.50	0.01	-1.18	0.00	0.00	-0.01	
52	Qw LC4	1.60	0.01	-1.17	0.00	0.00	0.01	
54	Qw LC4	0.00	0.00	-0.90	0.00	0.00	0.00	
57	Qw LC4	-0.01	0.00	-0.85	0.00	0.00	0.00	
59	Qw LC4	-1.48	-0.01	-1.18	0.00	0.00	0.01	
62	Qw LC4	1.90	-0.01	-1.18	0.00	0.00	-0.01	
64	Qw LC4	-1.48	0.01	-1.18	0.00	0.00	-0.01	
67	Qw LC4	1.45	0.01	-1.17	0.00	0.00	0.01	
69	Qw LC4	0.00	0.00	-0.90	0.00	0.00	0.00	
72	Qw LC4	-0.01	0.00	-0.84	0.00	0.00	0.00	
74	Qw LC4	-1.52	-0.01	-1.19	0.00	0.00	0.01	
77	Qw LC4	1.97	-0.01	-1.18	0.00	0.00	-0.01	
79	Qw LC4	-1.53	0.01	-1.20	0.00	0.00	-0.01	
82	Qw LC4	1.72	0.01	-1.20	0.00	0.00	0.01	
84	Qw LC4	0.00	0.01	-0.90	0.00	0.00	0.00	
87	Qw LC4	0.00	0.00	-0.88	0.00	0.00	0.00	
89	Qw LC4	-1.33	-0.01	-1.15	0.00	0.00	0.01	
92	Qw LC4	1.69	-0.01	-1.16	0.00	0.00	-0.01	
94	Qw LC4	-1.29	0.01	-1.10	0.00	0.00	-0.01	
97	Qw LC4	0.55	0.01	-1.06	0.00	0.00	0.01	
99	Qw LC4	0.00	-0.02	-0.89	0.00	0.00	0.01	
102	Qw LC4	-0.03	-0.02	-0.61	0.00	0.00	-0.01	
104	Qw LC4	-2.28	-0.02	-1.34	0.00	0.00	0.02	
107	Qw LC4	1.42	-0.02	-1.31	0.00	0.00	-0.02	
109	Qw LC4	-2.53	0.01	-1.53	0.00	0.00	-0.01	
112	Qw LC4	3.86	0.01	-1.49	0.00	0.00	0.01	
114	Qw LC4	0.00	0.09	-0.45	0.00	0.00	-0.06	
117	Qw LC4	0.01	0.09	-0.57	0.00	0.00	0.06	
126	Qw LC4	-0.01	-0.01	-0.04	0.00	0.00	0.01	
127	Qw LC4	-0.36	0.02	-7.84	0.00	0.00	-0.26	
130	Qw LC4	-0.53	-0.01	-10.09	0.00	0.00	0.07	
133	Qw LC4	-0.49	0.00	-9.68	0.00	0.00	-0.02	
136	Qw LC4	-0.50	0.00	-9.76	0.00	0.00	0.01	
139	Qw LC4	-0.50	0.00	-9.83	0.00	0.00	-0.02	
142	Qw LC4	-0.47	-0.01	-9.48	0.00	0.00	0.06	
145	Qw LC4	-0.60	0.02	-10.91	0.00	0.00	-0.24	
148	Qw LC4	-0.64	-0.07	-3.92	0.00	0.00	0.51	
149	Qw LC4	0.01	-0.01	-0.02	0.00	0.00	-0.01	
150	Qw LC4	0.36	0.02	-7.82	0.00	0.00	0.27	
153	Qw LC4	0.54	-0.01	-10.04	0.00	0.00	-0.09	
156	Qw LC4	0.52	0.00	-9.91	0.00	0.00	0.06	
159	Qw LC4	0.43	-0.01	-8.83	0.00	0.00	-0.22	
162	Qw LC4	0.74	0.05	-12.78	0.00	0.00	0.80	
166	Qw LC4	0.51	-0.07	-9.18	0.00	0.00	-1.57	
168	Qw LC4	-0.01	0.00	-0.03	0.00	0.00	0.02	
169	Qw LC4	-0.47	-0.02	-2.83	0.00	0.00	0.48	
170	Qw LC4	-0.27	0.01	-5.63	0.00	0.00	-0.22	
173	Qw LC4	-0.38	0.00	-7.25	0.00	0.00	0.06	
176	Qw LC4	-0.35	0.00	-6.96	0.00	0.00	-0.02	
179	Qw LC4	-0.36	0.00	-7.02	0.00	0.00	0.01	
182	Qw LC4	-0.36	0.00	-7.06	0.00	0.00	-0.01	
185	Qw LC4	-0.34	0.00	-6.81	0.00	0.00	0.05	
188	Qw LC4	-0.44	0.01	-7.84	0.00	0.00	-0.21	
191	Qw LC4	0.01	0.00	-0.01	0.00	0.00	-0.02	
192	Qw LC4	0.36	-0.03	-3.00	0.00	0.00	-0.41	
193	Qw LC4	0.19	0.01	-5.90	0.00	0.00	0.17	
196	Qw LC4	0.23	0.00	-7.60	0.00	0.00	-0.05	
199	Qw LC4	0.21	0.00	-7.28	0.00	0.00	0.01	
202	Qw LC4	0.21	0.00	-7.34	0.00	0.00	-0.01	
205	Qw LC4	0.22	0.00	-7.39	0.00	0.00	0.01	
208	Qw LC4	0.20	0.00	-7.11	0.00	0.00	-0.05	
211	Qw LC4	0.27	0.01	-8.25	0.00	0.00	0.19	
214	Qw LC4	-0.01	0.00	-0.01	0.00	0.00	0.02	
215	Qw LC4	-0.36	-0.03	-3.00	0.00	0.00	0.41	
216	Qw LC4	-0.19	0.01	-5.89	0.00	0.00	-0.17	
219	Qw LC4	-0.23	0.00	-7.60	0.00	0.00	0.05	
222	Qw LC4	-0.21	0.00	-7.28	0.00	0.00	-0.01	
225	Qw LC4	-0.21	0.00	-7.34	0.00	0.00	0.01	
228	Qw LC4	-0.22	0.00	-7.39	0.00	0.00	-0.01	
231	Qw LC4	-0.20	0.00	-7.11	0.00	0.00	0.05	
234	Qw LC4	-0.27	0.01	-8.25	0.00	0.00	-0.19	
237	Qw LC4	-0.36	-0.01	-0.15	0.00	0.00	-0.01	
238	Qw LC4	0.11	-0.07	-3.57	0.00	0.00	-0.28	
239	Qw LC4	-0.87	0.02	-7.35	0.00	0.00	0.13	
242	Qw LC4	-0.67	-0.01	-9.46	0.00	0.00	-0.04	
245	Qw LC4	-0.71	0.00	-9.13	0.00	0.00	0.01	



Model:

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
248	Qw LC4		-0.70	0.00	-9.19	0.00	0.00	0.00	
251	Qw LC4		-0.70	0.00	-9.23	0.00	0.00	0.01	
254	Qw LC4		-0.73	0.00	-8.99	0.00	0.00	-0.03	
257	Qw LC4		-0.58	0.02	-10.09	0.00	0.00	0.13	
260	Qw LC4		0.36	-0.01	-0.15	0.00	0.00	0.01	
261	Qw LC4		-0.11	-0.07	-3.57	0.00	0.00	0.28	
262	Qw LC4		0.87	0.02	-7.35	0.00	0.00	-0.13	
265	Qw LC4		0.67	-0.01	-9.46	0.00	0.00	0.04	
268	Qw LC4		0.71	0.00	-9.13	0.00	0.00	-0.01	
271	Qw LC4		0.70	0.00	-9.19	0.00	0.00	0.00	
274	Qw LC4		0.70	0.00	-9.23	0.00	0.00	-0.01	
277	Qw LC4		0.73	0.00	-8.99	0.00	0.00	0.03	
280	Qw LC4		0.58	0.02	-10.09	0.00	0.00	-0.13	
283	Qw LC4		0.00	0.03	-0.03	0.00	0.00	0.00	
285	Qw LC4		0.17	-0.01	-5.87	0.00	0.00	0.21	
288	Qw LC4		0.35	0.00	-7.16	0.00	0.00	-0.06	
291	Qw LC4		0.32	0.00	-7.07	0.00	0.00	0.03	
294	Qw LC4		0.29	0.01	-6.58	0.00	0.00	-0.11	
297	Qw LC4		0.41	-0.02	-8.46	0.00	0.00	0.45	
301	Qw LC4		0.21	0.00	-6.73	0.00	0.00	-0.89	
326	Qw LC4		0.01	0.01	0.00	0.00	0.00	0.01	
327	Qw LC4		-0.08	-0.02	-2.16	0.00	0.00	-0.10	
330	Qw LC4		-0.12	0.01	-2.74	0.00	0.00	0.02	
333	Qw LC4		-0.11	0.00	-2.64	0.00	0.00	-0.01	
336	Qw LC4		-0.11	0.00	-2.66	0.00	0.00	0.00	
339	Qw LC4		-0.11	0.00	-2.68	0.00	0.00	-0.01	
342	Qw LC4		-0.10	0.01	-2.59	0.00	0.00	0.02	
345	Qw LC4		-0.14	-0.02	-2.96	0.00	0.00	-0.09	
348	Qw LC4		-0.17	0.08	-1.03	0.00	0.00	0.23	
349	Qw LC4		0.12	0.03	-1.01	0.00	0.00	-0.23	
350	Qw LC4		0.04	-0.01	-2.11	0.00	0.00	0.08	
353	Qw LC4		0.05	0.00	-2.67	0.00	0.00	-0.02	
356	Qw LC4		0.04	0.00	-2.57	0.00	0.00	0.01	
359	Qw LC4		0.04	0.00	-2.59	0.00	0.00	0.00	
362	Qw LC4		0.04	0.00	-2.61	0.00	0.00	0.01	
365	Qw LC4		0.04	0.00	-2.51	0.00	0.00	-0.02	
368	Qw LC4		0.06	-0.01	-2.88	0.00	0.00	0.09	
372	Qw LC4		-0.01	0.00	0.01	0.00	0.00	-0.01	
373	Qw LC4		-0.12	0.03	-1.01	0.00	0.00	0.23	
374	Qw LC4		-0.04	-0.01	-2.11	0.00	0.00	-0.08	
377	Qw LC4		-0.05	0.02	-2.67	0.00	0.00	0.02	
380	Qw LC4		-0.04	-0.01	-2.57	0.00	0.00	0.00	
383	Qw LC4		-0.04	0.00	-2.59	0.00	0.00	0.00	
386	Qw LC4		-0.04	0.00	-2.61	0.00	0.00	-0.01	
389	Qw LC4		-0.04	0.00	-2.51	0.00	0.00	0.02	
392	Qw LC4		-0.06	-0.01	-2.88	0.00	0.00	-0.08	
396	Qw LC4		0.01	0.00	0.01	0.00	0.00	0.01	
397	Qw LC4		1.02	0.04	-0.50	0.00	0.00	-0.16	
401	Qw LC4		0.14	-0.02	-0.89	0.00	0.00	0.15	
404	Qw LC4		-0.38	0.00	-2.97	0.00	0.00	-0.04	
407	Qw LC4		-0.27	0.00	-2.67	0.00	0.00	0.01	
410	Qw LC4		-0.48	0.00	-2.77	0.00	0.00	-0.01	
413	Qw LC4		0.32	-0.01	-2.50	0.00	0.00	0.00	
416	Qw LC4		-0.28	0.00	-4.08	0.00	0.00	0.04	
Total max/min values with corresponding values									
112	Qw LC4	P _x	3.86	0.01	-1.49	0.00	0.00	0.01	
109			-2.53	0.01	-1.53	0.00	0.00	-0.01	
114		P _y	0.00	0.09	-0.45	0.00	0.00	-0.06	
238			0.11	-0.07	-3.57	0.00	0.00	-0.28	
372		P _z	-0.01	0.00	0.01	0.00	0.00	-0.01	
162			0.74	0.05	-12.78	0.00	0.00	0.80	
1		M _x	0.00	0.01	-0.46	0.00	0.00	-0.01	
1			0.00	0.01	-0.46	0.00	0.00	-0.01	
1		M _y	0.00	0.01	-0.46	0.00	0.00	-0.01	
1			0.00	0.01	-0.46	0.00	0.00	-0.01	
162		M _z	0.74	0.05	-12.78	0.00	0.00	0.80	
166			0.51	-0.07	-9.18	0.00	0.00	-1.57	
Sum of loads and sum of support forces									
	Qw LC4		P _x [kN]	P _y [kN]	P _z [kN]				
Σ			0.00	0.00	-585.39	Loads			
Σ			0.00	0.00	-585.39	Support Forces			
1	ULES DS1	P _x	0.00	-0.01	0.50	0.00	0.00	0.01	CO4
			0.00	-0.08	3.86	0.00	0.00	0.05	CO2
		P _y	0.00	-0.01	0.50	0.00	0.00	0.01	CO4
			0.00	-0.08	3.86	0.00	0.00	0.05	CO2

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
1		P_z	0.00	-0.08	3.86	0.00	0.00	0.05	CO2
			0.00	-0.01	0.50	0.00	0.00	0.01	CO4
		M_k	0.00	-0.02	1.19	0.00	0.00	0.02	CO1
			0.00	-0.02	1.19	0.00	0.00	0.02	CO1
		M_y	0.00	-0.02	1.19	0.00	0.00	0.02	CO1
			0.00	-0.02	1.19	0.00	0.00	0.02	CO1
		M_z	0.00	-0.08	3.86	0.00	0.00	0.05	CO2
			0.00	-0.01	0.50	0.00	0.00	0.01	CO4
		Extremes	0.00	-0.01	3.86	0.00	0.00	0.05	
			0.00	-0.08	0.50	0.00	0.00	0.01	
6	ULS DS1	P_x	-0.01	-0.01	0.25	0.00	0.00	-0.01	CO4
			-0.04	-0.06	1.94	0.00	0.00	-0.04	CO2
		P_y	-0.01	-0.01	0.25	0.00	0.00	-0.01	CO4
			-0.04	-0.06	1.94	0.00	0.00	-0.04	CO2
		P_z	-0.04	-0.06	1.94	0.00	0.00	-0.04	CO2
			-0.01	-0.01	0.25	0.00	0.00	-0.01	CO4
		M_k	-0.01	-0.02	0.59	0.00	0.00	-0.01	CO1
			-0.01	-0.02	0.59	0.00	0.00	-0.01	CO1
		M_y	-0.01	-0.02	0.59	0.00	0.00	-0.01	CO1
			-0.01	-0.02	0.59	0.00	0.00	-0.01	CO1
		M_z	-0.01	-0.01	0.25	0.00	0.00	-0.01	CO4
			-0.04	-0.06	1.94	0.00	0.00	-0.04	CO2
		Extremes	-0.01	-0.01	1.94	0.00	0.00	-0.01	
			-0.04	-0.06	0.25	0.00	0.00	-0.04	
9	ULS DS1	P_x	0.00	0.04	0.91	0.00	0.00	-0.03	CO4
			0.00	0.26	7.53	0.00	0.00	-0.16	CO2
		P_y	0.00	0.26	7.53	0.00	0.00	-0.16	CO2
			0.00	0.04	0.91	0.00	0.00	-0.03	CO4
		P_z	0.00	0.26	7.53	0.00	0.00	-0.16	CO2
			0.00	0.04	0.91	0.00	0.00	-0.03	CO4
		M_k	0.00	0.08	2.25	0.00	0.00	-0.05	CO1
			0.00	0.08	2.25	0.00	0.00	-0.05	CO1
		M_y	0.00	0.08	2.25	0.00	0.00	-0.05	CO1
			0.00	0.08	2.25	0.00	0.00	-0.05	CO1
		M_z	0.00	0.04	0.91	0.00	0.00	-0.03	CO4
			0.00	0.26	7.53	0.00	0.00	-0.16	CO2
		Extremes	0.00	0.26	7.53	0.00	0.00	-0.03	
			0.00	0.04	0.91	0.00	0.00	-0.16	
12	ULS DS1	P_x	-0.02	0.03	0.46	0.00	0.00	0.02	CO4
			-0.08	0.18	3.78	0.00	0.00	0.14	CO2
		P_y	-0.08	0.18	3.78	0.00	0.00	0.14	CO2
			-0.02	0.03	0.46	0.00	0.00	0.02	CO4
		P_z	-0.08	0.18	3.78	0.00	0.00	0.14	CO2
			-0.02	0.03	0.46	0.00	0.00	0.02	CO4
		M_k	-0.02	0.06	1.13	0.00	0.00	0.04	CO1
			-0.02	0.06	1.13	0.00	0.00	0.04	CO1
		M_y	-0.02	0.06	1.13	0.00	0.00	0.04	CO1
			-0.02	0.06	1.13	0.00	0.00	0.04	CO1
		M_z	-0.08	0.18	3.78	0.00	0.00	0.14	CO2
			-0.02	0.03	0.46	0.00	0.00	0.02	CO4
		Extremes	-0.02	0.18	3.78	0.00	0.00	0.14	
			-0.08	0.03	0.46	0.00	0.00	0.02	
14	ULS DS1	P_x	6.73	0.09	10.08	0.00	0.00	-0.12	CO2
			-0.60	0.01	1.14	0.00	0.00	-0.02	CO4
		P_y	6.73	0.09	10.08	0.00	0.00	-0.12	CO2
			-0.60	0.01	1.14	0.00	0.00	-0.02	CO4
		P_z	6.73	0.09	10.08	0.00	0.00	-0.12	CO2
			-0.60	0.01	1.14	0.00	0.00	-0.02	CO4
		M_k	2.08	0.03	3.05	0.00	0.00	-0.04	CO1
			2.08	0.03	3.05	0.00	0.00	-0.04	CO1
		M_y	2.08	0.03	3.05	0.00	0.00	-0.04	CO1
			2.08	0.03	3.05	0.00	0.00	-0.04	CO1
		M_z	-0.60	0.01	1.14	0.00	0.00	-0.02	CO4
			6.73	0.09	10.08	0.00	0.00	-0.12	CO2
		Extremes	6.73	0.09	10.08	0.00	0.00	-0.02	
			-0.60	0.01	1.14	0.00	0.00	-0.12	
17	ULS DS1	P_x	0.53	0.01	0.54	0.00	0.00	0.01	CO4
			-10.67	0.08	5.37	0.00	0.00	0.10	CO2
		P_y	-10.67	0.08	5.37	0.00	0.00	0.10	CO2
			0.53	0.01	0.54	0.00	0.00	0.01	CO4
		P_z	-10.67	0.08	5.37	0.00	0.00	0.10	CO2
			0.53	0.01	0.54	0.00	0.00	0.01	CO4

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
17		M_k	-3.29	0.03	1.63	0.00	0.00	0.03	CO1
			-3.29	0.03	1.63	0.00	0.00	0.03	CO1
			-3.29	0.03	1.63	0.00	0.00	0.03	CO1
		M_y	-3.29	0.03	1.63	0.00	0.00	0.03	CO1
			-3.29	0.03	1.63	0.00	0.00	0.03	CO1
			-3.29	0.03	1.63	0.00	0.00	0.03	CO1
		M_z	-10.67	0.08	5.37	0.00	0.00	0.10	CO2
			0.53	0.01	0.54	0.00	0.00	0.01	CO4
			0.53	0.08	5.37	0.00	0.00	0.10	CO4
		Extremes	-10.67	0.01	0.54	0.00	0.00	0.01	
19	U1S1 DS1	P_x	6.51	-0.12	9.73	0.00	0.00	0.15	CO2
			-0.56	-0.02	1.10	0.00	0.00	0.02	CO4
		P_y	-0.56	-0.02	1.10	0.00	0.00	0.02	CO4
			6.51	-0.12	9.73	0.00	0.00	0.15	CO2
		P_z	6.51	-0.12	9.73	0.00	0.00	0.15	CO2
			-0.56	-0.02	1.10	0.00	0.00	0.02	CO4
		M_k	2.01	-0.04	2.94	0.00	0.00	0.04	CO1
			2.01	-0.04	2.94	0.00	0.00	0.04	CO1
		M_y	2.01	-0.04	2.94	0.00	0.00	0.04	CO1
			2.01	-0.04	2.94	0.00	0.00	0.04	CO1
		M_z	6.51	-0.12	9.73	0.00	0.00	0.15	CO2
			-0.56	-0.02	1.10	0.00	0.00	0.02	CO4
		Extremes	6.51	-0.02	9.73	0.00	0.00	0.15	
			-0.56	-0.12	1.10	0.00	0.00	0.02	
22	U1S1 DS1	P_x	0.53	-0.01	0.52	0.00	0.00	-0.02	CO4
			-9.32	-0.11	5.19	0.00	0.00	-0.13	CO2
		P_y	0.53	-0.01	0.52	0.00	0.00	-0.02	CO4
			-9.32	-0.11	5.19	0.00	0.00	-0.13	CO2
		P_z	-9.32	-0.11	5.19	0.00	0.00	-0.13	CO2
			0.53	-0.01	0.52	0.00	0.00	-0.02	CO4
		M_k	-2.87	-0.03	1.57	0.00	0.00	-0.04	CO1
			-2.87	-0.03	1.57	0.00	0.00	-0.04	CO1
		M_y	-2.87	-0.03	1.57	0.00	0.00	-0.04	CO1
			-2.87	-0.03	1.57	0.00	0.00	-0.04	CO1
		M_z	0.53	-0.01	0.52	0.00	0.00	-0.02	CO4
			-9.32	-0.11	5.19	0.00	0.00	-0.13	CO2
		Extremes	0.53	-0.01	5.19	0.00	0.00	-0.02	
			-9.32	-0.11	0.52	0.00	0.00	-0.13	
24	U1S1 DS1	P_x	0.00	-0.01	0.91	0.00	0.00	0.00	CO4
			0.00	-0.06	7.54	0.00	0.00	0.03	CO2
		P_y	0.00	-0.01	0.91	0.00	0.00	0.00	CO4
			0.00	-0.06	7.54	0.00	0.00	0.03	CO2
		P_z	0.00	-0.06	7.54	0.00	0.00	0.03	CO2
			0.00	-0.01	0.91	0.00	0.00	0.00	CO4
		M_k	0.00	-0.02	2.25	0.00	0.00	0.01	CO1
			0.00	-0.02	2.25	0.00	0.00	0.01	CO1
		M_y	0.00	-0.02	2.25	0.00	0.00	0.01	CO1
			0.00	-0.02	2.25	0.00	0.00	0.01	CO1
		M_z	0.00	-0.06	7.54	0.00	0.00	0.03	CO2
			0.00	-0.01	0.91	0.00	0.00	0.00	CO4
		Extremes	0.00	-0.01	7.54	0.00	0.00	0.03	
			0.00	-0.06	0.91	0.00	0.00	0.00	
27	U1S1 DS1	P_x	-0.01	0.04	0.70	0.00	0.00	0.02	CO4
			-0.04	0.27	5.69	0.00	0.00	0.12	CO2
		P_y	-0.04	0.27	5.69	0.00	0.00	0.12	CO2
			-0.01	0.04	0.70	0.00	0.00	0.02	CO4
		P_z	-0.04	0.27	5.69	0.00	0.00	0.12	CO2
			-0.01	0.04	0.70	0.00	0.00	0.02	CO4
		M_k	-0.01	0.08	1.72	0.00	0.00	0.04	CO1
			-0.01	0.08	1.72	0.00	0.00	0.04	CO1
		M_y	-0.01	0.08	1.72	0.00	0.00	0.04	CO1
			-0.01	0.08	1.72	0.00	0.00	0.04	CO1
		M_z	-0.04	0.27	5.69	0.00	0.00	0.12	CO2
			-0.01	0.04	0.70	0.00	0.00	0.02	CO4
		Extremes	-0.01	0.27	5.69	0.00	0.00	0.12	
			-0.04	0.04	0.70	0.00	0.00	0.02	
29	U1S1 DS1	P_x	5.59	0.11	9.32	0.00	0.00	-0.12	CO2
			-0.41	0.01	1.07	0.00	0.00	-0.02	CO4
		P_y	5.59	0.11	9.32	0.00	0.00	-0.12	CO2
			-0.41	0.01	1.07	0.00	0.00	-0.02	CO4
		P_z	5.59	0.11	9.32	0.00	0.00	-0.12	CO2
			-0.41	0.01	1.07	0.00	0.00	-0.02	CO4
		M_k	1.72	0.03	2.81	0.00	0.00	-0.04	CO1
			1.72	0.03	2.81	0.00	0.00	-0.04	CO1

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
29		M _y	1.72	0.03	2.81	0.00	0.00	-0.04	CO1
			1.72	0.03	2.81	0.00	0.00	-0.04	CO1
		M _z	-0.41	0.01	1.07	0.00	0.00	-0.02	CO4
			5.59	0.11	9.32	0.00	0.00	-0.12	CO2
			5.59	0.11	9.32	0.00	0.00	-0.02	
			-0.41	0.01	1.07	0.00	0.00	-0.12	
Extremes 29									
32	ULS DS1	P _x	0.54	0.01	1.20	0.00	0.00	0.02	CO4
			-6.65	0.08	10.13	0.00	0.00	0.12	CO2
		P _y	-6.65	0.08	10.13	0.00	0.00	0.12	CO2
			0.54	0.01	1.20	0.00	0.00	0.02	CO4
		P _z	-6.65	0.08	10.13	0.00	0.00	0.12	CO2
			0.54	0.01	1.20	0.00	0.00	0.02	CO4
		M _x	-2.04	0.02	3.05	0.00	0.00	0.04	CO1
			-2.04	0.02	3.05	0.00	0.00	0.04	CO1
		M _y	-2.04	0.02	3.05	0.00	0.00	0.04	CO1
			-2.04	0.02	3.05	0.00	0.00	0.04	CO1
		M _z	-6.65	0.08	10.13	0.00	0.00	0.12	CO2
			0.54	0.01	1.20	0.00	0.00	0.02	CO4
		Extremes 32	0.54	0.08	10.13	0.00	0.00	0.12	
			-6.65	0.01	1.20	0.00	0.00	0.02	
34	ULS DS1	P _x	5.62	-0.10	9.39	0.00	0.00	0.11	CO2
			-0.42	-0.01	1.08	0.00	0.00	0.02	CO4
		P _y	-0.42	-0.01	1.08	0.00	0.00	0.02	CO4
			5.62	-0.10	9.39	0.00	0.00	0.11	CO2
		P _z	5.62	-0.10	9.39	0.00	0.00	0.11	CO2
			-0.42	-0.01	1.08	0.00	0.00	0.02	CO4
		M _x	1.73	-0.03	2.83	0.00	0.00	0.03	CO1
			1.73	-0.03	2.83	0.00	0.00	0.03	CO1
		M _y	1.73	-0.03	2.83	0.00	0.00	0.03	CO1
			1.73	-0.03	2.83	0.00	0.00	0.03	CO1
		M _z	5.62	-0.10	9.39	0.00	0.00	0.11	CO2
			-0.42	-0.01	1.08	0.00	0.00	0.02	CO4
		Extremes 34	5.62	-0.01	9.39	0.00	0.00	0.11	
			-0.42	-0.10	1.08	0.00	0.00	0.02	
37	ULS DS1	P _x	0.38	-0.02	1.13	0.00	0.00	-0.02	CO4
			-4.72	-0.12	9.75	0.00	0.00	-0.14	CO2
		P _y	0.38	-0.02	1.13	0.00	0.00	-0.02	CO4
			-4.72	-0.12	9.75	0.00	0.00	-0.14	CO2
		P _z	-4.72	-0.12	9.75	0.00	0.00	-0.14	CO2
			0.38	-0.02	1.13	0.00	0.00	-0.02	CO4
		M _x	-1.45	-0.04	2.94	0.00	0.00	-0.04	CO1
			-1.45	-0.04	2.94	0.00	0.00	-0.04	CO1
		M _y	-1.45	-0.04	2.94	0.00	0.00	-0.04	CO1
			-1.45	-0.04	2.94	0.00	0.00	-0.04	CO1
		M _z	0.38	-0.02	1.13	0.00	0.00	-0.02	CO4
			-4.72	-0.12	9.75	0.00	0.00	-0.14	CO2
		Extremes 37	0.38	-0.02	9.75	0.00	0.00	-0.02	
			-4.72	-0.12	1.13	0.00	0.00	-0.14	
39	ULS DS1	P _x	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	0.01	7.54	0.00	0.00	-0.01	CO2
		P _y	0.00	0.01	7.54	0.00	0.00	-0.01	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		P _z	0.00	0.01	7.54	0.00	0.00	-0.01	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		M _x	0.00	0.00	2.25	0.00	0.00	0.00	CO1
			0.00	0.00	2.25	0.00	0.00	0.00	CO1
		M _y	0.00	0.00	2.25	0.00	0.00	0.00	CO1
			0.00	0.00	2.25	0.00	0.00	0.00	CO1
		M _z	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	0.01	7.54	0.00	0.00	-0.01	CO2
		Extremes 39	0.00	0.01	7.54	0.00	0.00	0.00	
			0.00	0.00	0.91	0.00	0.00	-0.01	
42	ULS DS1	P _x	0.04	-0.05	7.20	0.00	0.00	-0.02	CO2
			0.00	-0.01	0.90	0.00	0.00	0.00	CO4
		P _y	0.00	-0.01	0.90	0.00	0.00	0.00	CO4
			0.04	-0.05	7.20	0.00	0.00	-0.02	CO2
		P _z	0.04	-0.05	7.20	0.00	0.00	-0.02	CO2
			0.00	-0.01	0.90	0.00	0.00	0.00	CO4
		M _x	0.01	-0.01	2.15	0.00	0.00	-0.01	CO1
			0.01	-0.01	2.15	0.00	0.00	-0.01	CO1
		M _y	0.01	-0.01	2.15	0.00	0.00	-0.01	CO1
			0.01	-0.01	2.15	0.00	0.00	-0.01	CO1
		Extremes 42	0.01	-0.01	2.15	0.00	0.00	-0.01	
			0.01	-0.01	2.15	0.00	0.00	-0.01	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
42		M_z	0.00	-0.01	0.90	0.00	0.00	0.00	CO4
Extremes 42			0.04	-0.05	7.20	0.00	0.00	-0.02	CO2
			0.04	-0.01	7.20	0.00	0.00	0.00	
			0.00	-0.05	0.90	0.00	0.00	-0.02	
44	UIS DS1	P_x	5.80	0.10	9.48	0.00	0.00	-0.12	CO2
			-0.46	0.01	1.08	0.00	0.00	-0.02	CO4
		P_y	5.80	0.10	9.48	0.00	0.00	-0.12	CO2
			-0.46	0.01	1.08	0.00	0.00	-0.02	CO4
		P_z	5.80	0.10	9.48	0.00	0.00	-0.12	CO2
			-0.46	0.01	1.08	0.00	0.00	-0.02	CO4
		M_k	1.78	0.03	2.86	0.00	0.00	-0.04	CO1
			1.78	0.03	2.86	0.00	0.00	-0.04	CO1
		M_y	1.78	0.03	2.86	0.00	0.00	-0.04	CO1
			-0.46	0.01	1.08	0.00	0.00	-0.02	CO4
Extremes 44		M_z	5.80	0.10	9.48	0.00	0.00	-0.12	CO2
			5.80	0.10	9.48	0.00	0.00	-0.02	
			-0.46	0.01	1.08	0.00	0.00	-0.12	
47	UIS DS1	P_x	0.46	0.01	1.07	0.00	0.00	0.02	CO4
			-8.06	0.10	9.37	0.00	0.00	0.11	CO2
		P_y	-8.06	0.10	9.37	0.00	0.00	0.11	CO2
			0.46	0.01	1.07	0.00	0.00	0.02	CO4
		P_z	-8.06	0.10	9.37	0.00	0.00	0.11	CO2
			0.46	0.01	1.07	0.00	0.00	0.02	CO4
		M_k	-2.48	0.03	2.82	0.00	0.00	0.03	CO1
			-2.48	0.03	2.82	0.00	0.00	0.03	CO1
		M_y	-2.48	0.03	2.82	0.00	0.00	0.03	CO1
			-2.48	0.03	2.82	0.00	0.00	0.03	CO1
		M_z	-8.06	0.10	9.37	0.00	0.00	0.11	CO2
Extremes 47			0.46	0.01	1.07	0.00	0.00	0.02	CO4
			0.46	0.10	9.37	0.00	0.00	0.11	
			-8.06	0.01	1.07	0.00	0.00	0.02	
49	UIS DS1	P_x	5.80	-0.10	9.46	0.00	0.00	0.12	CO2
			-0.46	-0.01	1.08	0.00	0.00	0.02	CO4
		P_y	-0.46	-0.01	1.08	0.00	0.00	0.02	CO4
			5.80	-0.10	9.46	0.00	0.00	0.12	CO2
		P_z	5.80	-0.10	9.46	0.00	0.00	0.12	CO2
			-0.46	-0.01	1.08	0.00	0.00	0.02	CO4
		M_k	1.78	-0.03	2.85	0.00	0.00	0.04	CO1
			1.78	-0.03	2.85	0.00	0.00	0.04	CO1
		M_y	1.78	-0.03	2.85	0.00	0.00	0.04	CO1
			1.78	-0.03	2.85	0.00	0.00	0.04	CO1
		M_z	5.80	-0.10	9.46	0.00	0.00	0.12	CO2
Extremes 49			-0.46	-0.01	1.08	0.00	0.00	0.02	CO4
			5.80	-0.01	9.46	0.00	0.00	0.12	
			-0.46	-0.10	1.08	0.00	0.00	0.02	
52	UIS DS1	P_x	0.47	-0.01	1.07	0.00	0.00	-0.02	CO4
			-6.23	-0.09	9.37	0.00	0.00	-0.11	CO2
		P_y	0.47	-0.01	1.07	0.00	0.00	-0.02	CO4
			-6.23	-0.09	9.37	0.00	0.00	-0.11	CO2
		P_z	-6.23	-0.09	9.37	0.00	0.00	-0.11	CO2
			0.47	-0.01	1.07	0.00	0.00	-0.02	CO4
		M_k	-1.92	-0.03	2.82	0.00	0.00	-0.03	CO1
			-1.92	-0.03	2.82	0.00	0.00	-0.03	CO1
		M_y	-1.92	-0.03	2.82	0.00	0.00	-0.03	CO1
			-1.92	-0.03	2.82	0.00	0.00	-0.03	CO1
		M_z	0.47	-0.01	1.07	0.00	0.00	-0.02	CO4
Extremes 52			-6.23	-0.09	9.37	0.00	0.00	-0.11	CO2
			0.47	-0.01	9.37	0.00	0.00	-0.02	
			-6.23	-0.09	1.07	0.00	0.00	-0.11	
54	UIS DS1	P_x	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	-0.01	7.54	0.00	0.00	0.00	CO2
		P_y	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	-0.01	7.54	0.00	0.00	0.00	CO2
		P_z	0.00	-0.01	7.54	0.00	0.00	0.00	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		M_k	0.00	0.00	2.25	0.00	0.00	0.00	CO1
			0.00	0.00	2.25	0.00	0.00	0.00	CO1
		M_y	0.00	0.00	2.25	0.00	0.00	0.00	CO1
			0.00	0.00	2.25	0.00	0.00	0.00	CO1
		M_z	0.00	-0.01	7.54	0.00	0.00	0.00	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4



Model:

VDC Kranj - statična preverba
strehe

Project:

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strehe

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Sheet 1

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 54			0.00	0.00	7.54	0.00	0.00	0.00	
			0.00	-0.01	0.91	0.00	0.00	0.00	
57	UIS DS1	P _x	0.03	0.00	7.31	0.00	0.00	0.00	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		P _y	0.02	0.00	6.55	0.00	0.00	0.00	CO3
			0.01	0.00	2.18	0.00	0.00	0.00	CO1
		P _z	0.03	0.00	7.31	0.00	0.00	0.00	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		M _x	0.01	0.00	2.18	0.00	0.00	0.00	CO1
			0.01	0.00	2.18	0.00	0.00	0.00	CO1
		M _y	0.01	0.00	2.18	0.00	0.00	0.00	CO1
			0.01	0.00	2.18	0.00	0.00	0.00	CO1
		M _z	0.01	0.00	3.47	0.00	0.00	0.00	CO5
			0.01	0.00	2.18	0.00	0.00	0.00	CO1
			0.03	0.00	7.31	0.00	0.00	0.00	
			0.00	0.00	0.91	0.00	0.00	0.00	
Extremes 57									
59	UIS DS1	P _x	5.73	0.10	9.43	0.00	0.00	-0.11	CO2
			-0.45	0.01	1.08	0.00	0.00	-0.02	CO4
		P _y	5.73	0.10	9.43	0.00	0.00	-0.11	CO2
			-0.45	0.01	1.08	0.00	0.00	-0.02	CO4
		P _z	5.73	0.10	9.43	0.00	0.00	-0.11	CO2
			-0.45	0.01	1.08	0.00	0.00	-0.02	CO4
		M _x	1.76	0.03	2.84	0.00	0.00	-0.04	CO1
			1.76	0.03	2.84	0.00	0.00	-0.04	CO1
		M _y	1.76	0.03	2.84	0.00	0.00	-0.04	CO1
			1.76	0.03	2.84	0.00	0.00	-0.04	CO1
		M _z	-0.45	0.01	1.08	0.00	0.00	-0.02	CO4
			5.73	0.10	9.43	0.00	0.00	-0.11	CO2
			5.73	0.10	9.43	0.00	0.00	-0.02	
			-0.45	0.01	1.08	0.00	0.00	-0.11	
Extremes 59									
62	UIS DS1	P _x	0.46	0.01	1.09	0.00	0.00	0.02	CO4
			-7.73	0.10	9.50	0.00	0.00	0.11	CO2
		P _y	-7.73	0.10	9.50	0.00	0.00	0.11	CO2
			0.46	0.01	1.09	0.00	0.00	0.02	CO4
		P _z	-7.73	0.10	9.50	0.00	0.00	0.11	CO2
			0.46	0.01	1.09	0.00	0.00	0.02	CO4
		M _x	-2.38	0.03	2.86	0.00	0.00	0.03	CO1
			-2.38	0.03	2.86	0.00	0.00	0.03	CO1
		M _y	-2.38	0.03	2.86	0.00	0.00	0.03	CO1
			-2.38	0.03	2.86	0.00	0.00	0.03	CO1
		M _z	-7.73	0.10	9.50	0.00	0.00	0.11	CO2
			0.46	0.01	1.09	0.00	0.00	0.02	CO4
			0.46	0.10	9.50	0.00	0.00	0.11	
			-7.73	0.01	1.09	0.00	0.00	0.02	
Extremes 62									
64	UIS DS1	P _x	5.73	-0.10	9.42	0.00	0.00	0.12	CO2
			-0.44	-0.01	1.08	0.00	0.00	0.02	CO4
		P _y	-0.44	-0.01	1.08	0.00	0.00	0.02	CO4
			5.73	-0.10	9.42	0.00	0.00	0.12	CO2
		P _z	5.73	-0.10	9.42	0.00	0.00	0.12	CO2
			-0.44	-0.01	1.08	0.00	0.00	0.02	CO4
		M _x	1.76	-0.03	2.84	0.00	0.00	0.04	CO1
			1.76	-0.03	2.84	0.00	0.00	0.04	CO1
		M _y	1.76	-0.03	2.84	0.00	0.00	0.04	CO1
			1.76	-0.03	2.84	0.00	0.00	0.04	CO1
		M _z	5.73	-0.10	9.42	0.00	0.00	0.12	CO2
			-0.44	-0.01	1.08	0.00	0.00	0.02	CO4
			5.73	-0.01	9.42	0.00	0.00	0.12	
			-0.44	-0.10	1.08	0.00	0.00	0.02	
Extremes 64									
67	UIS DS1	P _x	0.44	-0.01	1.08	0.00	0.00	-0.02	CO4
			-5.62	-0.10	9.41	0.00	0.00	-0.11	CO2
		P _y	0.44	-0.01	1.08	0.00	0.00	-0.02	CO4
			-5.62	-0.10	9.41	0.00	0.00	-0.11	CO2
		P _z	-5.62	-0.10	9.41	0.00	0.00	-0.11	CO2
			0.44	-0.01	1.08	0.00	0.00	-0.02	CO4
		M _x	-1.73	-0.03	2.84	0.00	0.00	-0.03	CO1
			-1.73	-0.03	2.84	0.00	0.00	-0.03	CO1
		M _y	-1.73	-0.03	2.84	0.00	0.00	-0.03	CO1
			-1.73	-0.03	2.84	0.00	0.00	-0.03	CO1
		M _z	0.44	-0.01	1.08	0.00	0.00	-0.02	CO4
			-5.62	-0.10	9.41	0.00	0.00	-0.11	CO2
			0.44	-0.01	9.41	0.00	0.00	-0.02	
			-5.62	-0.10	1.08	0.00	0.00	-0.11	
Extremes 67									

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
69	DS1	P _x	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	0.01	7.54	0.00	0.00	-0.01	CO2
		P _y	0.00	0.01	7.54	0.00	0.00	-0.01	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		P _z	0.00	0.01	7.54	0.00	0.00	-0.01	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		M _k	0.00	0.00	2.25	0.00	0.00	0.00	CO1
			0.00	0.00	2.25	0.00	0.00	0.00	CO1
		M _y	0.00	0.00	2.25	0.00	0.00	0.00	CO1
			0.00	0.00	2.25	0.00	0.00	0.00	CO1
		M _z	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	0.01	7.54	0.00	0.00	-0.01	CO2
		Extremes	0.00	0.01	7.54	0.00	0.00	0.00	
			0.00	0.00	0.91	0.00	0.00	-0.01	
72	DS1	P _x	0.03	0.00	7.24	0.00	0.00	0.00	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		P _y	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.03	0.00	7.24	0.00	0.00	0.00	CO2
		P _z	0.03	0.00	7.24	0.00	0.00	0.00	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		M _k	0.01	0.00	2.16	0.00	0.00	0.00	CO1
			0.01	0.00	2.16	0.00	0.00	0.00	CO1
		M _y	0.01	0.00	2.16	0.00	0.00	0.00	CO1
			0.01	0.00	2.16	0.00	0.00	0.00	CO1
		M _z	0.03	0.00	7.24	0.00	0.00	0.00	CO2
			0.01	0.00	2.16	0.00	0.00	0.00	CO1
		Extremes	0.03	0.00	7.24	0.00	0.00	0.00	
			0.00	0.00	0.91	0.00	0.00	0.00	
74	DS1	P _x	5.86	0.11	9.49	0.00	0.00	-0.12	CO2
			-0.47	0.01	1.08	0.00	0.00	-0.02	CO4
		P _y	5.86	0.11	9.49	0.00	0.00	-0.12	CO2
			-0.47	0.01	1.08	0.00	0.00	-0.02	CO4
		P _z	5.86	0.11	9.49	0.00	0.00	-0.12	CO2
			-0.47	0.01	1.08	0.00	0.00	-0.02	CO4
		M _k	1.80	0.03	2.86	0.00	0.00	-0.04	CO1
			1.80	0.03	2.86	0.00	0.00	-0.04	CO1
		M _y	1.80	0.03	2.86	0.00	0.00	-0.04	CO1
			1.80	0.03	2.86	0.00	0.00	-0.04	CO1
		M _z	-0.47	0.01	1.08	0.00	0.00	-0.02	CO4
			5.86	0.11	9.49	0.00	0.00	-0.12	CO2
		Extremes	5.86	0.11	9.49	0.00	0.00	-0.02	
			-0.47	0.01	1.08	0.00	0.00	-0.12	
77	DS1	P _x	0.48	0.01	1.09	0.00	0.00	0.02	CO4
			-8.01	0.10	9.49	0.00	0.00	0.12	CO2
		P _y	-8.01	0.10	9.49	0.00	0.00	0.12	CO2
			0.48	0.01	1.09	0.00	0.00	0.02	CO4
		P _z	-8.01	0.10	9.49	0.00	0.00	0.12	CO2
			0.48	0.01	1.09	0.00	0.00	0.02	CO4
		M _k	-2.46	0.03	2.86	0.00	0.00	0.04	CO1
			-2.46	0.03	2.86	0.00	0.00	0.04	CO1
		M _y	-2.46	0.03	2.86	0.00	0.00	0.04	CO1
			-2.46	0.03	2.86	0.00	0.00	0.04	CO1
		M _z	-8.01	0.10	9.49	0.00	0.00	0.12	CO2
			0.48	0.01	1.09	0.00	0.00	0.02	CO4
		Extremes	0.48	0.10	9.49	0.00	0.00	0.12	
			-8.01	0.01	1.09	0.00	0.00	0.02	
79	DS1	P _x	5.87	-0.10	9.55	0.00	0.00	0.12	CO2
			-0.47	-0.01	1.08	0.00	0.00	0.02	CO4
		P _y	-0.47	-0.01	1.08	0.00	0.00	0.02	CO4
			5.87	-0.10	9.55	0.00	0.00	0.12	CO2
		P _z	5.87	-0.10	9.55	0.00	0.00	0.12	CO2
			-0.47	-0.01	1.08	0.00	0.00	0.02	CO4
		M _k	1.81	-0.03	2.88	0.00	0.00	0.04	CO1
			1.81	-0.03	2.88	0.00	0.00	0.04	CO1
		M _y	1.81	-0.03	2.88	0.00	0.00	0.04	CO1
			1.81	-0.03	2.88	0.00	0.00	0.04	CO1
		M _z	5.87	-0.10	9.55	0.00	0.00	0.12	CO2
			-0.47	-0.01	1.08	0.00	0.00	0.02	CO4
		Extremes	5.87	-0.01	9.55	0.00	0.00	0.12	
			-0.47	-0.10	1.08	0.00	0.00	0.02	
82	DS1	P _x	0.50	-0.01	1.09	0.00	0.00	-0.02	CO4
			-6.75	-0.10	9.54	0.00	0.00	-0.11	CO2

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
82		P_y	0.50	-0.01	1.09	0.00	0.00	-0.02	CO4
			-6.75	-0.10	9.54	0.00	0.00	-0.11	CO2
		P_z	-6.75	-0.10	9.54	0.00	0.00	-0.11	CO2
			0.50	-0.01	1.09	0.00	0.00	-0.02	CO4
		M_k	-2.08	-0.03	2.88	0.00	0.00	-0.03	CO1
			-2.08	-0.03	2.88	0.00	0.00	-0.03	CO1
		M_y	-2.08	-0.03	2.88	0.00	0.00	-0.03	CO1
			-2.08	-0.03	2.88	0.00	0.00	-0.03	CO1
		M_z	0.50	-0.01	1.09	0.00	0.00	-0.02	CO4
			-6.75	-0.10	9.54	0.00	0.00	-0.11	CO2
		Extremes	0.50	-0.01	9.54	0.00	0.00	-0.02	
			-6.75	-0.10	1.09	0.00	0.00	-0.11	
84	ULS DS1	P_x	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	-0.04	7.54	0.00	0.00	0.03	CO2
		P_y	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.00	-0.04	7.54	0.00	0.00	0.03	CO2
		P_z	0.00	-0.04	7.54	0.00	0.00	0.03	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		M_k	0.00	-0.01	2.25	0.00	0.00	0.01	CO1
			0.00	-0.01	2.25	0.00	0.00	0.01	CO1
		M_y	0.00	-0.01	2.25	0.00	0.00	0.01	CO1
			0.00	-0.01	2.25	0.00	0.00	0.01	CO1
		M_z	0.00	-0.04	7.54	0.00	0.00	0.03	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
87	ULS DS1	P_x	0.01	-0.03	7.47	0.00	0.00	-0.02	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		P_y	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.01	-0.03	7.47	0.00	0.00	-0.02	CO2
		P_z	0.01	-0.03	7.47	0.00	0.00	-0.02	CO2
			0.00	0.00	0.91	0.00	0.00	0.00	CO4
		M_k	0.00	-0.01	2.23	0.00	0.00	-0.01	CO1
			0.00	-0.01	2.23	0.00	0.00	-0.01	CO1
		M_y	0.00	-0.01	2.23	0.00	0.00	-0.01	CO1
			0.00	-0.01	2.23	0.00	0.00	-0.01	CO1
		M_z	0.00	0.00	0.91	0.00	0.00	0.00	CO4
			0.01	-0.03	7.47	0.00	0.00	-0.02	CO2
89	ULS DS1	P_x	5.29	0.09	9.27	0.00	0.00	-0.09	CO2
			-0.37	0.01	1.07	0.00	0.00	-0.02	CO4
		P_y	5.29	0.09	9.27	0.00	0.00	-0.09	CO2
			-0.37	0.01	1.07	0.00	0.00	-0.02	CO4
		P_z	5.29	0.09	9.27	0.00	0.00	-0.09	CO2
			-0.37	0.01	1.07	0.00	0.00	-0.02	CO4
		M_k	1.62	0.03	2.79	0.00	0.00	-0.03	CO1
			1.62	0.03	2.79	0.00	0.00	-0.03	CO1
		M_y	1.62	0.03	2.79	0.00	0.00	-0.03	CO1
			1.62	0.03	2.79	0.00	0.00	-0.03	CO1
		M_z	-0.37	0.01	1.07	0.00	0.00	-0.02	CO4
			5.29	0.09	9.27	0.00	0.00	-0.09	CO2
92	ULS DS1	P_x	0.38	0.01	1.08	0.00	0.00	0.02	CO4
			-7.01	0.09	9.35	0.00	0.00	0.10	CO2
		P_y	-7.01	0.09	9.35	0.00	0.00	0.10	CO2
			0.38	0.01	1.08	0.00	0.00	0.02	CO4
		P_z	-7.01	0.09	9.35	0.00	0.00	0.10	CO2
			0.38	0.01	1.08	0.00	0.00	0.02	CO4
		M_k	-2.15	0.03	2.81	0.00	0.00	0.03	CO1
			-2.15	0.03	2.81	0.00	0.00	0.03	CO1
		M_y	-2.15	0.03	2.81	0.00	0.00	0.03	CO1
			-2.15	0.03	2.81	0.00	0.00	0.03	CO1
		M_z	-7.01	0.09	9.35	0.00	0.00	0.10	CO2
			0.38	0.01	1.08	0.00	0.00	0.02	CO4
94	ULS DS1	P_x	5.19	-0.11	9.00	0.00	0.00	0.11	CO2
			-0.34	-0.02	1.06	0.00	0.00	0.02	CO4
		P_y	-0.34	-0.02	1.06	0.00	0.00	0.02	CO4
			5.19	-0.11	9.00	0.00	0.00	0.11	CO2

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
94		P_z	5.19	-0.11	9.00	0.00	0.00	0.11	CO2
			-0.34	-0.02	1.06	0.00	0.00	0.02	CO4
			1.59	-0.03	2.71	0.00	0.00	0.04	CO1
		M_k	1.59	-0.03	2.71	0.00	0.00	0.04	CO1
			1.59	-0.03	2.71	0.00	0.00	0.04	CO1
			1.59	-0.03	2.71	0.00	0.00	0.04	CO1
		M_y	5.19	-0.11	9.00	0.00	0.00	0.11	CO2
			-0.34	-0.02	1.06	0.00	0.00	0.02	CO4
			1.59	-0.02	9.00	0.00	0.00	0.11	
		M_z	-0.34	-0.11	1.06	0.00	0.00	0.02	
			5.19	-0.02	9.00	0.00	0.00	0.11	
			-0.34	-0.11	1.06	0.00	0.00	0.02	
Extremes 94									
97	ULS DS1	P_x	0.21	-0.02	1.05	0.00	0.00	-0.02	CO4
			-1.98	-0.11	8.73	0.00	0.00	-0.12	CO2
			0.21	-0.02	1.05	0.00	0.00	-0.02	CO4
		P_y	-1.98	-0.11	8.73	0.00	0.00	-0.12	CO2
			-1.98	-0.11	8.73	0.00	0.00	-0.12	CO2
			0.21	-0.02	1.05	0.00	0.00	-0.02	CO4
		P_z	-0.61	-0.03	2.63	0.00	0.00	-0.04	CO1
			-0.61	-0.03	2.63	0.00	0.00	-0.04	CO1
			-0.61	-0.03	2.63	0.00	0.00	-0.04	CO1
		M_k	0.21	-0.02	1.05	0.00	0.00	-0.02	CO4
			-1.98	-0.11	8.73	0.00	0.00	-0.12	CO2
			0.21	-0.02	8.73	0.00	0.00	-0.02	
Extremes 97									
99	ULS DS1	P_x	0.00	0.02	0.91	0.00	0.00	-0.01	CO4
			0.00	0.19	7.53	0.00	0.00	-0.12	CO2
			0.00	0.19	7.53	0.00	0.00	-0.12	CO2
		P_y	0.00	0.02	0.91	0.00	0.00	-0.01	CO4
			0.00	0.19	7.53	0.00	0.00	-0.12	CO2
			0.00	0.19	7.53	0.00	0.00	-0.12	CO2
		P_z	0.00	0.02	0.91	0.00	0.00	-0.01	CO4
			0.00	0.06	2.25	0.00	0.00	-0.04	CO1
			0.00	0.06	2.25	0.00	0.00	-0.04	CO1
		M_k	0.00	0.06	2.25	0.00	0.00	-0.04	CO1
			0.00	0.06	2.25	0.00	0.00	-0.04	CO1
			0.00	0.06	2.25	0.00	0.00	-0.04	CO1
Extremes 99									
102	ULS DS1	P_x	0.15	0.17	6.10	0.00	0.00	0.11	CO2
			0.00	0.02	0.90	0.00	0.00	0.01	CO4
			0.15	0.17	6.10	0.00	0.00	0.11	CO2
		P_y	0.00	0.02	0.90	0.00	0.00	0.01	CO4
			0.15	0.17	6.10	0.00	0.00	0.11	CO2
			0.00	0.02	0.90	0.00	0.00	0.01	CO4
		P_z	0.05	0.05	1.81	0.00	0.00	0.03	CO1
			0.05	0.05	1.81	0.00	0.00	0.03	CO1
			0.05	0.05	1.81	0.00	0.00	0.03	CO1
		M_k	0.15	0.17	6.10	0.00	0.00	0.11	CO2
			0.00	0.02	0.90	0.00	0.00	0.01	CO4
			0.15	0.17	6.10	0.00	0.00	0.11	
Extremes 102									
104	ULS DS1	P_x	8.20	0.17	10.35	0.00	0.00	-0.22	CO2
			-0.83	0.02	1.15	0.00	0.00	-0.03	CO4
			8.20	0.17	10.35	0.00	0.00	-0.22	CO2
		P_y	-0.83	0.02	1.15	0.00	0.00	-0.03	CO4
			-0.83	0.02	1.15	0.00	0.00	-0.03	CO4
			8.20	0.17	10.35	0.00	0.00	-0.22	CO2
		P_z	-0.83	0.02	1.15	0.00	0.00	-0.03	CO4
			2.56	0.05	3.14	0.00	0.00	-0.07	CO1
			2.56	0.05	3.14	0.00	0.00	-0.07	CO1
		M_k	2.56	0.05	3.14	0.00	0.00	-0.07	CO1
			2.56	0.05	3.14	0.00	0.00	-0.07	CO1
			2.56	0.05	3.14	0.00	0.00	-0.07	CO1
Extremes 104									
107	ULS DS1	P_x	0.58	0.02	1.13	0.00	0.00	0.03	CO4
			-4.75	0.16	10.15	0.00	0.00	0.20	CO2
		P_y	-4.75	0.16	10.15	0.00	0.00	0.20	CO2
			0.58	0.02	1.13	0.00	0.00	0.03	CO4
		P_z	-4.75	0.16	10.15	0.00	0.00	0.20	CO2
			0.58	0.02	1.13	0.00	0.00	0.03	CO4

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
107		M _k	-1.53	0.05	3.08	0.00	0.00	0.06	CO1
			-1.53	0.05	3.08	0.00	0.00	0.06	CO1
		M _y	-1.53	0.05	3.08	0.00	0.00	0.06	CO1
			-1.53	0.05	3.08	0.00	0.00	0.06	CO1
		M _z	-4.75	0.16	10.15	0.00	0.00	0.20	CO2
			0.58	0.02	1.13	0.00	0.00	0.03	CO4
		Extremes	0.58	0.16	10.15	0.00	0.00	0.20	
			-4.75	0.02	1.13	0.00	0.00	0.03	
109	UIS DS1	P _x	8.93	-0.05	11.49	0.00	0.00	0.12	CO2
			-0.98	0.00	1.24	0.00	0.00	0.02	CO4
		P _y	-0.98	0.00	1.24	0.00	0.00	0.02	CO4
			8.93	-0.05	11.49	0.00	0.00	0.12	CO2
		P _z	8.93	-0.05	11.49	0.00	0.00	0.12	CO2
			-0.98	0.00	1.24	0.00	0.00	0.02	CO4
		M _k	2.79	-0.01	3.51	0.00	0.00	0.04	CO1
			2.79	-0.01	3.51	0.00	0.00	0.04	CO1
		M _y	2.79	-0.01	3.51	0.00	0.00	0.04	CO1
			2.79	-0.01	3.51	0.00	0.00	0.04	CO1
		M _z	8.93	-0.05	11.49	0.00	0.00	0.12	CO2
			-0.98	0.00	1.24	0.00	0.00	0.02	CO4
		Extremes	8.93	0.00	11.49	0.00	0.00	0.12	
			-0.98	-0.05	1.24	0.00	0.00	0.02	
112	UIS DS1	P _x	1.00	0.00	1.26	0.00	0.00	-0.01	CO4
			-15.37	-0.04	11.43	0.00	0.00	-0.11	CO2
		P _y	1.00	0.00	1.26	0.00	0.00	-0.01	CO4
			-15.37	-0.04	11.43	0.00	0.00	-0.11	CO2
		P _z	-15.37	-0.04	11.43	0.00	0.00	-0.11	CO2
			1.00	0.00	1.26	0.00	0.00	-0.01	CO4
		M _k	-4.76	-0.01	3.48	0.00	0.00	-0.03	CO1
			-4.76	-0.01	3.48	0.00	0.00	-0.03	CO1
		M _y	-4.76	-0.01	3.48	0.00	0.00	-0.03	CO1
			-4.76	-0.01	3.48	0.00	0.00	-0.03	CO1
		M _z	1.00	0.00	1.26	0.00	0.00	-0.01	CO4
			-15.37	-0.04	11.43	0.00	0.00	-0.11	CO2
		Extremes	1.00	0.00	11.43	0.00	0.00	-0.01	
			-15.37	-0.04	1.26	0.00	0.00	-0.11	
114	UIS DS1	P _x	0.00	-0.13	0.49	0.00	0.00	0.08	CO4
			0.00	-0.88	3.81	0.00	0.00	0.55	CO2
		P _y	0.00	-0.13	0.49	0.00	0.00	0.08	CO4
			0.00	-0.88	3.81	0.00	0.00	0.55	CO2
		P _z	0.00	-0.88	3.81	0.00	0.00	0.55	CO2
			0.00	-0.13	0.49	0.00	0.00	0.08	CO4
		M _k	0.00	-0.27	1.17	0.00	0.00	0.17	CO1
			0.00	-0.27	1.17	0.00	0.00	0.17	CO1
		M _y	0.00	-0.27	1.17	0.00	0.00	0.17	CO1
			0.00	-0.27	1.17	0.00	0.00	0.17	CO1
		M _z	0.00	-0.88	3.81	0.00	0.00	0.55	CO2
			0.00	-0.13	0.49	0.00	0.00	0.08	CO4
		Extremes	0.00	-0.13	3.81	0.00	0.00	0.55	
			0.00	-0.88	0.49	0.00	0.00	0.08	
117	UIS DS1	P _x	0.00	-0.12	0.49	0.00	0.00	-0.08	CO4
			-0.06	-0.83	4.39	0.00	0.00	-0.53	CO2
		P _y	0.00	-0.12	0.49	0.00	0.00	-0.08	CO4
			-0.06	-0.83	4.39	0.00	0.00	-0.53	CO2
		P _z	-0.06	-0.83	4.39	0.00	0.00	-0.53	CO2
			0.00	-0.12	0.49	0.00	0.00	-0.08	CO4
		M _k	-0.02	-0.25	1.34	0.00	0.00	-0.16	CO1
			-0.02	-0.25	1.34	0.00	0.00	-0.16	CO1
		M _y	-0.02	-0.25	1.34	0.00	0.00	-0.16	CO1
			-0.02	-0.25	1.34	0.00	0.00	-0.16	CO1
		M _z	0.00	-0.12	0.49	0.00	0.00	-0.08	CO4
			-0.06	-0.83	4.39	0.00	0.00	-0.53	CO2
		Extremes	0.00	-0.12	4.39	0.00	0.00	-0.08	
			-0.06	-0.83	0.49	0.00	0.00	-0.53	
126	UIS DS1	P _x	0.02	0.03	0.25	0.00	0.00	-0.03	CO2
			0.00	0.00	0.07	0.00	0.00	0.00	CO4
		P _y	0.02	0.03	0.25	0.00	0.00	-0.03	CO2
			0.00	0.00	0.07	0.00	0.00	0.00	CO4
		P _z	0.02	0.03	0.25	0.00	0.00	-0.03	CO2
			0.00	0.00	0.07	0.00	0.00	0.00	CO4
		M _k	0.00	0.01	0.13	0.00	0.00	-0.01	CO1
			0.00	0.01	0.13	0.00	0.00	-0.01	CO1

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
126		M _y	0.00	0.01	0.13	0.00	0.00	-0.01	CO1
			0.00	0.01	0.13	0.00	0.00	-0.01	CO1
		M _z	0.00	0.00	0.07	0.00	0.00	0.00	CO4
			0.02	0.03	0.25	0.00	0.00	-0.03	CO2
			0.02	0.03	0.25	0.00	0.00	0.00	
			0.00	0.00	0.07	0.00	0.00	-0.03	
Extremes 126									
127	ULS DS1	P _x	1.33	-0.09	29.79	0.00	0.00	0.99	CO2
			-0.14	0.00	-2.63	0.00	0.00	-0.09	CO4
		P _y	-0.14	0.00	-2.63	0.00	0.00	-0.09	CO4
			1.33	-0.09	29.79	0.00	0.00	0.99	CO2
		P _z	1.33	-0.09	29.79	0.00	0.00	0.99	CO2
			-0.14	0.00	-2.63	0.00	0.00	-0.09	CO4
		M _x	0.41	-0.03	9.12	0.00	0.00	0.30	CO1
			0.41	-0.03	9.12	0.00	0.00	0.30	CO1
		M _y	0.41	-0.03	9.12	0.00	0.00	0.30	CO1
			0.41	-0.03	9.12	0.00	0.00	0.30	CO1
		M _z	1.33	-0.09	29.79	0.00	0.00	0.99	CO2
			-0.14	0.00	-2.63	0.00	0.00	-0.09	CO4
		Extremes 127	1.33	0.00	29.79	0.00	0.00	0.99	
			-0.14	-0.09	-2.63	0.00	0.00	-0.09	
130	ULS DS1	P _x	1.95	0.03	38.30	0.00	0.00	-0.27	CO2
			-0.19	0.00	-3.41	0.00	0.00	0.02	CO4
		P _y	1.95	0.03	38.30	0.00	0.00	-0.27	CO2
			-0.19	0.00	-3.41	0.00	0.00	0.02	CO4
		P _z	1.95	0.03	38.30	0.00	0.00	-0.27	CO2
			-0.19	0.00	-3.41	0.00	0.00	0.02	CO4
		M _x	0.60	0.01	11.73	0.00	0.00	-0.08	CO1
			0.60	0.01	11.73	0.00	0.00	-0.08	CO1
		M _y	0.60	0.01	11.73	0.00	0.00	-0.08	CO1
			0.60	0.01	11.73	0.00	0.00	-0.08	CO1
		M _z	-0.19	0.00	-3.41	0.00	0.00	0.02	CO4
			1.95	0.03	38.30	0.00	0.00	-0.27	CO2
		Extremes 130	1.95	0.03	38.30	0.00	0.00	0.02	
			-0.19	0.00	-3.41	0.00	0.00	-0.27	
133	ULS DS1	P _x	1.79	-0.01	36.79	0.00	0.00	0.07	CO2
			-0.18	0.00	-3.26	0.00	0.00	-0.01	CO4
		P _y	-0.18	0.00	-3.26	0.00	0.00	-0.01	CO4
			1.79	-0.01	36.79	0.00	0.00	0.07	CO2
		P _z	1.79	-0.01	36.79	0.00	0.00	0.07	CO2
			-0.18	0.00	-3.26	0.00	0.00	-0.01	CO4
		M _x	0.55	0.00	11.26	0.00	0.00	0.02	CO1
			0.55	0.00	11.26	0.00	0.00	0.02	CO1
		M _y	0.55	0.00	11.26	0.00	0.00	0.02	CO1
			0.55	0.00	11.26	0.00	0.00	0.02	CO1
		M _z	1.79	-0.01	36.79	0.00	0.00	0.07	CO2
			-0.18	0.00	-3.26	0.00	0.00	-0.01	CO4
		Extremes 133	1.79	0.00	36.79	0.00	0.00	0.07	
			-0.18	-0.01	-3.26	0.00	0.00	-0.01	
136	ULS DS1	P _x	1.82	0.00	37.09	0.00	0.00	-0.03	CO2
			-0.19	0.00	-3.29	0.00	0.00	0.00	CO4
		P _y	1.82	0.00	37.09	0.00	0.00	-0.03	CO2
			-0.19	0.00	-3.29	0.00	0.00	0.00	CO4
		P _z	1.82	0.00	37.09	0.00	0.00	-0.03	CO2
			-0.19	0.00	-3.29	0.00	0.00	0.00	CO4
		M _x	0.56	0.00	11.35	0.00	0.00	-0.01	CO1
			0.56	0.00	11.35	0.00	0.00	-0.01	CO1
		M _y	0.56	0.00	11.35	0.00	0.00	-0.01	CO1
			0.56	0.00	11.35	0.00	0.00	-0.01	CO1
		M _z	-0.19	0.00	-3.29	0.00	0.00	0.00	CO4
			1.82	0.00	37.09	0.00	0.00	-0.03	CO2
		Extremes 136	1.82	0.00	37.09	0.00	0.00	0.00	
			-0.19	0.00	-3.29	0.00	0.00	-0.03	
139	ULS DS1	P _x	1.85	-0.01	37.33	0.00	0.00	0.06	CO2
			-0.19	0.00	-3.31	0.00	0.00	0.00	CO4
		P _y	-0.19	0.00	-3.31	0.00	0.00	0.00	CO4
			1.85	-0.01	37.33	0.00	0.00	0.06	CO2
		P _z	1.85	-0.01	37.33	0.00	0.00	0.06	CO2
			-0.19	0.00	-3.31	0.00	0.00	0.00	CO4
		M _x	0.57	0.00	11.43	0.00	0.00	0.02	CO1
			0.57	0.00	11.43	0.00	0.00	0.02	CO1
		M _y	0.57	0.00	11.43	0.00	0.00	0.02	CO1
			0.57	0.00	11.43	0.00	0.00	0.02	CO1
		Extremes 139	1.85	-0.01	37.33	0.00	0.00	0.06	
			-0.19	0.00	-3.31	0.00	0.00	0.00	

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
139		M _z	1.85	-0.01	37.33	0.00	0.00	0.06	CO2
			-0.19	0.00	-3.31	0.00	0.00	0.00	CO4
			1.85	0.00	37.33	0.00	0.00	0.06	
			-0.19	-0.01	-3.31	0.00	0.00	0.00	
142	ULS DS1	P _x	1.72	0.02	36.00	0.00	0.00	-0.24	CO2
			-0.18	0.00	-3.20	0.00	0.00	0.02	CO4
		P _y	1.72	0.02	36.00	0.00	0.00	-0.24	CO2
			-0.18	0.00	-3.20	0.00	0.00	0.02	CO4
		P _z	1.72	0.02	36.00	0.00	0.00	-0.24	CO2
			-0.18	0.00	-3.20	0.00	0.00	0.02	CO4
		M _x	0.53	0.01	11.02	0.00	0.00	-0.07	CO1
			0.53	0.01	11.02	0.00	0.00	-0.07	CO1
		M _y	0.53	0.01	11.02	0.00	0.00	-0.07	CO1
			-0.18	0.00	-3.20	0.00	0.00	0.02	CO4
		M _z	1.72	0.02	36.00	0.00	0.00	-0.24	CO2
			1.72	0.02	36.00	0.00	0.00	0.02	
		Extremes	1.72	0.02	36.00	0.00	0.00	-0.24	
			-0.18	0.00	-3.20	0.00	0.00	-0.24	
145	ULS DS1	P _x	2.25	-0.09	41.39	0.00	0.00	0.93	CO2
			-0.22	0.00	-3.68	0.00	0.00	-0.08	CO4
		P _y	-0.22	0.00	-3.68	0.00	0.00	-0.08	CO4
			2.25	-0.09	41.39	0.00	0.00	0.93	CO2
		P _z	2.25	-0.09	41.39	0.00	0.00	0.93	CO2
			-0.22	0.00	-3.68	0.00	0.00	-0.08	CO4
		M _x	0.69	-0.03	12.67	0.00	0.00	0.29	CO1
			0.69	-0.03	12.67	0.00	0.00	0.29	CO1
		M _y	0.69	-0.03	12.67	0.00	0.00	0.29	CO1
			0.69	-0.03	12.67	0.00	0.00	0.29	CO1
		M _z	2.25	-0.09	41.39	0.00	0.00	0.93	CO2
			-0.22	0.00	-3.68	0.00	0.00	-0.08	CO4
		Extremes	2.25	-0.09	41.39	0.00	0.00	0.93	
			-0.22	0.00	-3.68	0.00	0.00	-0.08	
148	ULS DS1	P _x	2.34	0.32	14.91	0.00	0.00	-1.93	CO2
			-0.24	-0.01	-1.26	0.00	0.00	0.17	CO4
		P _y	2.34	0.32	14.91	0.00	0.00	-1.93	CO2
			-0.24	-0.01	-1.26	0.00	0.00	0.17	CO4
		P _z	2.34	0.32	14.91	0.00	0.00	-1.93	CO2
			-0.24	-0.01	-1.26	0.00	0.00	0.17	CO4
		M _x	0.72	0.10	4.62	0.00	0.00	-0.59	CO1
			0.72	0.10	4.62	0.00	0.00	-0.59	CO1
		M _y	0.72	0.10	4.62	0.00	0.00	-0.59	CO1
			0.72	0.10	4.62	0.00	0.00	-0.59	CO1
		M _z	-0.24	-0.01	-1.26	0.00	0.00	0.17	CO4
			2.34	0.32	14.91	0.00	0.00	-1.93	CO2
		Extremes	2.34	0.32	14.91	0.00	0.00	0.17	
			-0.24	-0.01	-1.26	0.00	0.00	-1.93	
149	ULS DS1	P _x	0.00	0.00	0.07	0.00	0.00	0.00	CO4
			-0.02	0.03	0.18	0.00	0.00	0.03	CO2
		P _y	-0.02	0.03	0.18	0.00	0.00	0.03	CO2
			0.00	0.00	0.07	0.00	0.00	0.00	CO4
		P _z	-0.02	0.03	0.18	0.00	0.00	0.03	CO2
			0.00	0.00	0.07	0.00	0.00	0.00	CO4
		M _x	0.00	0.01	0.10	0.00	0.00	0.01	CO1
			0.00	0.01	0.10	0.00	0.00	0.01	CO1
		M _y	0.00	0.01	0.10	0.00	0.00	0.01	CO1
			0.00	0.01	0.10	0.00	0.00	0.01	CO1
		M _z	-0.02	0.03	0.18	0.00	0.00	0.03	CO2
			0.00	0.00	0.07	0.00	0.00	0.00	CO4
		Extremes	0.00	0.03	0.18	0.00	0.00	0.03	
			-0.02	0.00	0.07	0.00	0.00	0.00	
150	ULS DS1	P _x	0.15	0.00	-2.72	0.00	0.00	0.09	CO4
			-1.29	-0.09	29.43	0.00	0.00	-1.01	CO2
		P _y	0.15	0.00	-2.72	0.00	0.00	0.09	CO4
			-1.29	-0.09	29.43	0.00	0.00	-1.01	CO2
		P _z	-1.29	-0.09	29.43	0.00	0.00	-1.01	CO2
			0.15	0.00	-2.72	0.00	0.00	0.09	CO4
		M _x	-0.40	-0.03	9.01	0.00	0.00	-0.31	CO1
			-0.40	-0.03	9.01	0.00	0.00	-0.31	CO1
		M _y	-0.40	-0.03	9.01	0.00	0.00	-0.31	CO1
			-0.40	-0.03	9.01	0.00	0.00	-0.31	CO1
		M _z	0.15	0.00	-2.72	0.00	0.00	0.09	CO4
			-1.29	-0.09	29.43	0.00	0.00	-1.01	CO2
		Extremes	0.15	0.00	-2.72	0.00	0.00	0.09	
			-1.29	-0.09	29.43	0.00	0.00	-1.01	



Model:

VDC Kranj - statična preverba
strehe

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RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 150			0.15 -1.29	0.00 -0.09	29.43 -2.72	0.00 0.00	0.00 0.00	0.09 -1.01	
153	ULS DS1	P _x	0.19	0.00	-3.38	0.00	0.00	-0.03	CO4
			-1.99	0.03	38.14	0.00	0.00	0.37	CO2
		P _y	-1.99	0.03	38.14	0.00	0.00	0.37	CO2
			0.19	0.00	-3.38	0.00	0.00	-0.03	CO4
		P _z	-1.99	0.03	38.14	0.00	0.00	0.37	CO2
			0.19	0.00	-3.38	0.00	0.00	-0.03	CO4
		M _x	-0.61	0.01	11.68	0.00	0.00	0.11	CO1
			-0.61	0.01	11.68	0.00	0.00	0.11	CO1
		M _y	-0.61	0.01	11.68	0.00	0.00	0.11	CO1
			-0.61	0.01	11.68	0.00	0.00	0.11	CO1
		M _z	-1.99	0.03	38.14	0.00	0.00	0.37	CO2
			0.19	0.00	-3.38	0.00	0.00	-0.03	CO4
		Extremes 153	0.19 -1.99	0.03 0.00	38.14 -3.38	0.00 0.00	0.00 0.00	0.37 -0.03	
156	ULS DS1	P _x	0.19	0.00	-3.34	0.00	0.00	0.02	CO4
			-1.92	-0.02	37.67	0.00	0.00	-0.22	CO2
		P _y	0.19	0.00	-3.34	0.00	0.00	0.02	CO4
			-1.92	-0.02	37.67	0.00	0.00	-0.22	CO2
		P _z	-1.92	-0.02	37.67	0.00	0.00	-0.22	CO2
			0.19	0.00	-3.34	0.00	0.00	0.02	CO4
		M _x	-0.59	-0.01	11.53	0.00	0.00	-0.07	CO1
			-0.59	-0.01	11.53	0.00	0.00	-0.07	CO1
		M _y	-0.59	-0.01	11.53	0.00	0.00	-0.07	CO1
			-0.59	-0.01	11.53	0.00	0.00	-0.07	CO1
		M _z	0.19	0.00	-3.34	0.00	0.00	0.02	CO4
			-1.92	-0.02	37.67	0.00	0.00	-0.22	CO2
		Extremes 156	0.19 -1.92	0.00 -0.02	37.67 -3.34	0.00 0.00	0.00 0.00	0.02 -0.22	
159	ULS DS1	P _x	0.16	0.00	-3.02	0.00	0.00	-0.06	CO4
			-1.57	0.06	33.40	0.00	0.00	0.88	CO2
		P _y	-1.57	0.06	33.40	0.00	0.00	0.88	CO2
			0.16	0.00	-3.02	0.00	0.00	-0.06	CO4
		P _z	-1.57	0.06	33.40	0.00	0.00	0.88	CO2
			0.16	0.00	-3.02	0.00	0.00	-0.06	CO4
		M _x	-0.48	0.02	10.23	0.00	0.00	0.27	CO1
			-0.48	0.02	10.23	0.00	0.00	0.27	CO1
		M _y	-0.48	0.02	10.23	0.00	0.00	0.27	CO1
			-0.48	0.02	10.23	0.00	0.00	0.27	CO1
		M _z	-1.57	0.06	33.40	0.00	0.00	0.88	CO2
			0.16	0.00	-3.02	0.00	0.00	-0.06	CO4
		Extremes 159	0.16 -1.57	0.00 0.06	33.40 -3.02	0.00 0.00	0.00 0.00	0.88 -0.06	
162	ULS DS1	P _x	0.26	0.01	-4.22	0.00	0.00	0.25	CO4
			-2.79	-0.20	48.92	0.00	0.00	-3.15	CO2
		P _y	0.26	0.01	-4.22	0.00	0.00	0.25	CO4
			-2.79	-0.20	48.92	0.00	0.00	-3.15	CO2
		P _z	-2.79	-0.20	48.92	0.00	0.00	-3.15	CO2
			0.26	0.01	-4.22	0.00	0.00	0.25	CO4
		M _x	-0.85	-0.06	14.95	0.00	0.00	-0.96	CO1
			-0.85	-0.06	14.95	0.00	0.00	-0.96	CO1
		M _y	-0.85	-0.06	14.95	0.00	0.00	-0.96	CO1
			-0.85	-0.06	14.95	0.00	0.00	-0.96	CO1
		M _z	0.26	0.01	-4.22	0.00	0.00	0.25	CO4
			-2.79	-0.20	48.92	0.00	0.00	-3.15	CO2
		Extremes 162	0.26 -2.79	0.01 -0.20	48.92 -4.22	0.00 0.00	0.00 0.00	0.25 -3.15	
166	ULS DS1	P _x	0.20	-0.02	-3.06	0.00	0.00	-0.50	CO4
			-1.87	0.29	34.78	0.00	0.00	6.17	CO2
		P _y	-1.87	0.29	34.78	0.00	0.00	6.17	CO2
			0.20	-0.02	-3.06	0.00	0.00	-0.50	CO4
		P _z	-1.87	0.29	34.78	0.00	0.00	6.17	CO2
			0.20	-0.02	-3.06	0.00	0.00	-0.50	CO4
		M _x	-0.57	0.09	10.71	0.00	0.00	1.86	CO1
			-0.57	0.09	10.71	0.00	0.00	1.86	CO1
		M _y	-0.57	0.09	10.71	0.00	0.00	1.86	CO1
			-0.57	0.09	10.71	0.00	0.00	1.86	CO1
		M _z	-1.87	0.29	34.78	0.00	0.00	6.17	CO2
			0.20	-0.02	-3.06	0.00	0.00	-0.50	CO4
		Extremes 166	0.20 -1.87	0.29 -0.02	34.78 -3.06	0.00 0.00	0.00 0.00	6.17 -0.50	

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
168	ULS DS1	P_x	0.00	0.03	-0.21	0.00	0.00	-0.09	CO2
			-0.01	0.01	-0.06	0.00	0.00	0.00	CO4
		P_y	0.00	0.03	-0.21	0.00	0.00	-0.09	CO2
			-0.01	0.01	-0.06	0.00	0.00	0.00	CO4
		P_z	0.00	0.01	-0.02	0.00	0.00	-0.03	CO1
			0.00	0.03	-0.23	0.00	0.00	-0.07	CO3
		M_k	0.00	0.01	-0.02	0.00	0.00	-0.03	CO1
			0.00	0.01	-0.02	0.00	0.00	-0.03	CO1
		M_y	0.00	0.01	-0.02	0.00	0.00	-0.03	CO1
			0.00	0.01	-0.02	0.00	0.00	-0.03	CO1
		M_z	-0.01	0.01	-0.06	0.00	0.00	0.00	CO4
			0.00	0.03	-0.21	0.00	0.00	-0.09	CO2
		Extremes 168	0.00	0.03	-0.02	0.00	0.00	0.00	
			-0.01	0.01	-0.23	0.00	0.00	-0.09	
169	ULS DS1	P_x	2.53	0.34	14.54	0.00	0.00	-2.63	CO2
			0.07	0.07	0.26	0.00	0.00	-0.08	CO4
		P_y	2.53	0.34	14.54	0.00	0.00	-2.63	CO2
			0.07	0.07	0.26	0.00	0.00	-0.08	CO4
		P_z	2.53	0.34	14.54	0.00	0.00	-2.63	CO2
			0.07	0.07	0.26	0.00	0.00	-0.08	CO4
		M_k	0.78	0.10	4.50	0.00	0.00	-0.81	CO1
			0.78	0.10	4.50	0.00	0.00	-0.81	CO1
		M_y	0.78	0.10	4.50	0.00	0.00	-0.81	CO1
			0.78	0.10	4.50	0.00	0.00	-0.81	CO1
		M_z	0.07	0.07	0.26	0.00	0.00	-0.08	CO4
			2.53	0.34	14.54	0.00	0.00	-2.63	CO2
		Extremes 169	2.53	0.34	14.54	0.00	0.00	-0.08	
			0.07	0.07	0.26	0.00	0.00	-2.63	
170	ULS DS1	P_x	1.35	-0.10	28.49	0.00	0.00	1.19	CO2
			0.02	-0.02	0.30	0.00	0.00	0.03	CO4
		P_y	0.02	-0.02	0.30	0.00	0.00	0.03	CO4
			1.35	-0.10	28.49	0.00	0.00	1.19	CO2
		P_z	1.35	-0.10	28.49	0.00	0.00	1.19	CO2
			0.02	-0.02	0.30	0.00	0.00	0.03	CO4
		M_k	0.42	-0.03	8.74	0.00	0.00	0.36	CO1
			0.42	-0.03	8.74	0.00	0.00	0.36	CO1
		M_y	0.42	-0.03	8.74	0.00	0.00	0.36	CO1
			0.42	-0.03	8.74	0.00	0.00	0.36	CO1
		M_z	1.35	-0.10	28.49	0.00	0.00	1.19	CO2
			0.02	-0.02	0.30	0.00	0.00	0.03	CO4
		Extremes 170	1.35	-0.02	28.49	0.00	0.00	1.19	
			0.02	-0.10	0.30	0.00	0.00	0.03	
173	ULS DS1	P_x	1.91	0.02	36.60	0.00	0.00	-0.33	CO2
			0.02	0.00	0.35	0.00	0.00	-0.01	CO4
		P_y	1.91	0.02	36.60	0.00	0.00	-0.33	CO2
			0.02	0.00	0.35	0.00	0.00	-0.01	CO4
		P_z	1.91	0.02	36.60	0.00	0.00	-0.33	CO2
			0.02	0.00	0.35	0.00	0.00	-0.01	CO4
		M_k	0.59	0.01	11.23	0.00	0.00	-0.10	CO1
			0.59	0.01	11.23	0.00	0.00	-0.10	CO1
		M_y	0.59	0.01	11.23	0.00	0.00	-0.10	CO1
			0.59	0.01	11.23	0.00	0.00	-0.10	CO1
		M_z	0.02	0.00	0.35	0.00	0.00	-0.01	CO4
			1.91	0.02	36.60	0.00	0.00	-0.33	CO2
		Extremes 173	1.91	0.02	36.60	0.00	0.00	-0.01	
			0.02	0.00	0.35	0.00	0.00	-0.33	
176	ULS DS1	P_x	1.76	-0.01	34.98	0.00	0.00	0.09	CO2
			0.01	0.00	0.29	0.00	0.00	0.00	CO4
		P_y	0.01	0.00	0.29	0.00	0.00	0.00	CO4
			1.76	-0.01	34.98	0.00	0.00	0.09	CO2
		P_z	1.76	-0.01	34.98	0.00	0.00	0.09	CO2
			0.01	0.00	0.29	0.00	0.00	0.00	CO4
		M_k	0.54	0.00	10.73	0.00	0.00	0.03	CO1
			0.54	0.00	10.73	0.00	0.00	0.03	CO1
		M_y	0.54	0.00	10.73	0.00	0.00	0.03	CO1
			0.54	0.00	10.73	0.00	0.00	0.03	CO1
		M_z	1.76	-0.01	34.98	0.00	0.00	0.09	CO2
			0.01	0.00	0.29	0.00	0.00	0.00	CO4
		Extremes 176	1.76	0.00	34.98	0.00	0.00	0.09	
			0.01	-0.01	0.29	0.00	0.00	0.00	
179	ULS DS1	P_x	1.79	0.00	35.31	0.00	0.00	-0.04	CO2
			0.01	0.00	0.31	0.00	0.00	0.00	CO4

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
179		P_y	1.79	0.00	35.31	0.00	0.00	-0.04	CO2
			0.01	0.00	0.31	0.00	0.00	0.00	CO4
			1.79	0.00	35.31	0.00	0.00	-0.04	CO2
		P_z	0.01	0.00	0.31	0.00	0.00	0.00	CO4
			0.55	0.00	10.83	0.00	0.00	-0.01	CO1
			0.55	0.00	10.83	0.00	0.00	-0.01	CO1
		M_x	0.55	0.00	10.83	0.00	0.00	-0.01	CO1
			0.01	0.00	0.31	0.00	0.00	0.00	CO4
			1.79	0.00	35.31	0.00	0.00	-0.04	CO2
		Extremes	1.79	0.00	35.31	0.00	0.00	0.00	
			0.01	0.00	0.31	0.00	0.00	-0.04	
182	ULS DS1	P_x	1.82	0.00	35.58	0.00	0.00	0.08	CO2
			0.02	0.00	0.32	0.00	0.00	0.00	CO4
			1.82	0.00	35.58	0.00	0.00	0.08	CO2
		P_y	0.02	0.00	0.32	0.00	0.00	0.00	CO4
			1.82	0.00	35.58	0.00	0.00	0.08	CO2
			0.02	0.00	0.32	0.00	0.00	0.00	CO4
		P_z	0.56	0.00	10.91	0.00	0.00	0.02	CO1
			0.56	0.00	10.91	0.00	0.00	0.02	CO1
			0.56	0.00	10.91	0.00	0.00	0.02	CO1
		M_x	0.56	0.00	10.91	0.00	0.00	0.02	CO1
			1.82	0.00	35.58	0.00	0.00	0.08	CO2
			0.02	0.00	0.32	0.00	0.00	0.00	CO4
185	ULS DS1	P_x	1.68	0.02	34.12	0.00	0.00	-0.30	CO2
			0.01	0.00	0.25	0.00	0.00	-0.01	CO4
			1.68	0.02	34.12	0.00	0.00	-0.30	CO2
		P_y	0.01	0.00	0.25	0.00	0.00	-0.01	CO4
			1.68	0.02	34.12	0.00	0.00	-0.30	CO2
			0.01	0.00	0.25	0.00	0.00	-0.01	CO4
		P_z	0.52	0.01	10.47	0.00	0.00	-0.09	CO1
			0.52	0.01	10.47	0.00	0.00	-0.09	CO1
			0.52	0.01	10.47	0.00	0.00	-0.09	CO1
		M_x	0.52	0.01	10.47	0.00	0.00	-0.09	CO1
			1.68	0.02	34.12	0.00	0.00	-0.30	CO2
			1.68	0.02	34.12	0.00	0.00	-0.01	CO2
188	ULS DS1	P_x	2.23	-0.08	39.94	0.00	0.00	1.17	CO2
			0.03	-0.01	0.49	0.00	0.00	0.05	CO4
			2.23	-0.08	39.94	0.00	0.00	1.17	CO2
		P_y	0.03	-0.01	0.49	0.00	0.00	0.05	CO4
			2.23	-0.08	39.94	0.00	0.00	1.17	CO2
			0.03	-0.01	0.49	0.00	0.00	0.05	CO4
		P_z	0.68	-0.02	12.25	0.00	0.00	0.36	CO1
			0.68	-0.02	12.25	0.00	0.00	0.36	CO1
			0.68	-0.02	12.25	0.00	0.00	0.36	CO1
		M_x	0.68	-0.02	12.25	0.00	0.00	0.36	CO1
			2.23	-0.08	39.94	0.00	0.00	1.17	CO2
			0.03	-0.01	0.49	0.00	0.00	0.05	CO4
191	ULS DS1	P_x	0.01	0.01	-0.04	0.00	0.00	0.00	CO4
			-0.02	0.04	-0.26	0.00	0.00	0.09	CO2
			-0.02	0.04	-0.26	0.00	0.00	0.09	CO2
		P_y	0.01	0.01	-0.04	0.00	0.00	0.00	CO4
			-0.01	0.01	-0.03	0.00	0.00	0.03	CO1
			-0.01	0.03	-0.26	0.00	0.00	0.07	CO3
		P_z	-0.01	0.01	-0.03	0.00	0.00	0.03	CO1
			-0.01	0.01	-0.03	0.00	0.00	0.03	CO1
			-0.01	0.01	-0.03	0.00	0.00	0.03	CO1
		M_x	-0.01	0.01	-0.03	0.00	0.00	0.03	CO1
			-0.02	0.04	-0.26	0.00	0.00	0.09	CO2
			0.01	0.01	-0.04	0.00	0.00	0.00	CO4
192	ULS DS1	P_x	-0.12	0.06	0.21	0.00	0.00	0.11	CO4
			-2.16	0.36	15.24	0.00	0.00	2.40	CO2
		P_y	-2.16	0.36	15.24	0.00	0.00	2.40	CO2
			-0.12	0.06	0.21	0.00	0.00	0.11	CO4

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
192		P_z	-2.16	0.36	15.24	0.00	0.00	2.40	CO2
			-0.12	0.06	0.21	0.00	0.00	0.11	CO4
			-0.66	0.11	4.71	0.00	0.00	0.73	CO1
		M_k	-0.66	0.11	4.71	0.00	0.00	0.73	CO1
			-0.66	0.11	4.71	0.00	0.00	0.73	CO1
			-0.66	0.11	4.71	0.00	0.00	0.73	CO1
		M_y	-2.16	0.36	15.24	0.00	0.00	2.40	CO2
			-0.12	0.06	0.21	0.00	0.00	0.11	CO4
			-0.12	0.36	15.24	0.00	0.00	2.40	
		M_z	-2.16	0.06	0.21	0.00	0.00	0.11	
			-0.12	0.36	0.21	0.00	0.00	0.11	
			-2.16	0.06	0.21	0.00	0.00	0.11	
Extremes 192									
193	ULS DS1	P_x	-0.05	-0.02	0.23	0.00	0.00	-0.05	CO4
			-1.06	-0.10	29.59	0.00	0.00	-0.99	CO2
			-0.05	-0.02	0.23	0.00	0.00	-0.05	CO4
		P_y	-1.06	-0.10	29.59	0.00	0.00	-0.99	CO2
			-1.06	-0.10	29.59	0.00	0.00	-0.99	CO2
			-0.05	-0.02	0.23	0.00	0.00	-0.05	CO4
		P_z	-0.32	-0.03	9.07	0.00	0.00	-0.30	CO1
			-0.32	-0.03	9.07	0.00	0.00	-0.30	CO1
			-0.32	-0.03	9.07	0.00	0.00	-0.30	CO1
		M_k	-0.32	-0.03	9.07	0.00	0.00	-0.30	CO1
			-0.32	-0.03	9.07	0.00	0.00	-0.30	CO1
			-0.32	-0.03	9.07	0.00	0.00	-0.30	CO1
Extremes 193									
196	ULS DS1	P_x	-0.07	0.00	0.26	0.00	0.00	0.02	CO4
			-1.35	0.03	38.05	0.00	0.00	0.32	CO2
			-1.35	0.03	38.05	0.00	0.00	0.32	CO2
		P_y	-0.07	0.00	0.26	0.00	0.00	0.02	CO4
			-1.35	0.03	38.05	0.00	0.00	0.32	CO2
			-1.35	0.03	38.05	0.00	0.00	0.32	CO2
		P_z	-0.07	0.00	0.26	0.00	0.00	0.02	CO4
			-0.41	0.01	11.66	0.00	0.00	0.10	CO1
			-0.41	0.01	11.66	0.00	0.00	0.10	CO1
		M_k	-0.41	0.01	11.66	0.00	0.00	0.10	CO1
			-0.41	0.01	11.66	0.00	0.00	0.10	CO1
			-0.41	0.01	11.66	0.00	0.00	0.10	CO1
Extremes 196									
199	ULS DS1	P_x	-0.06	0.00	0.22	0.00	0.00	0.00	CO4
			-1.22	-0.01	36.31	0.00	0.00	-0.09	CO2
			-0.06	0.00	0.22	0.00	0.00	0.00	CO4
		P_y	-1.22	-0.01	36.31	0.00	0.00	-0.09	CO2
			-1.22	-0.01	36.31	0.00	0.00	-0.09	CO2
			-0.06	0.00	0.22	0.00	0.00	0.00	CO4
		P_z	-0.37	0.00	11.13	0.00	0.00	-0.03	CO1
			-0.37	0.00	11.13	0.00	0.00	-0.03	CO1
			-0.37	0.00	11.13	0.00	0.00	-0.03	CO1
		M_k	-0.37	0.00	11.13	0.00	0.00	-0.03	CO1
			-0.37	0.00	11.13	0.00	0.00	-0.03	CO1
			-0.37	0.00	11.13	0.00	0.00	-0.03	CO1
Extremes 199									
202	ULS DS1	P_x	-0.06	0.00	0.23	0.00	0.00	0.00	CO4
			-1.25	0.00	36.66	0.00	0.00	0.04	CO2
			-1.25	0.00	36.66	0.00	0.00	0.04	CO2
		P_y	-0.06	0.00	0.23	0.00	0.00	0.00	CO4
			-1.25	0.00	36.66	0.00	0.00	0.04	CO2
			-1.25	0.00	36.66	0.00	0.00	0.04	CO2
		P_z	-0.06	0.00	0.23	0.00	0.00	0.00	CO4
			-0.38	0.00	11.24	0.00	0.00	0.01	CO1
			-0.38	0.00	11.24	0.00	0.00	0.01	CO1
		M_k	-0.38	0.00	11.24	0.00	0.00	0.01	CO1
			-0.38	0.00	11.24	0.00	0.00	0.01	CO1
			-0.38	0.00	11.24	0.00	0.00	0.01	CO1
Extremes 202									
205	ULS DS1	P_x	-0.06	0.00	0.24	0.00	0.00	0.00	CO4
			-1.27	-0.01	36.95	0.00	0.00	-0.08	CO2
			-0.06	0.00	0.24	0.00	0.00	0.00	CO4
		P_y	-1.27	-0.01	36.95	0.00	0.00	-0.08	CO2
			-1.27	-0.01	36.95	0.00	0.00	-0.08	CO2
			-0.06	0.00	0.24	0.00	0.00	0.00	CO4

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
205		M_k	-0.39	0.00	11.32	0.00	0.00	-0.02	CO1
			-0.39	0.00	11.32	0.00	0.00	-0.02	CO1
		M_y	-0.39	0.00	11.32	0.00	0.00	-0.02	CO1
			-0.39	0.00	11.32	0.00	0.00	-0.02	CO1
		M_z	-0.06	0.00	0.24	0.00	0.00	0.00	CO4
			-1.27	-0.01	36.95	0.00	0.00	-0.08	CO2
		Extremes	-0.06	0.00	36.95	0.00	0.00	0.00	
			-1.27	-0.01	0.24	0.00	0.00	-0.08	
208	ULS DS1	P_x	-0.05	0.00	0.19	0.00	0.00	0.01	CO4
			-1.15	0.02	35.38	0.00	0.00	0.29	CO2
		P_y	-1.15	0.02	35.38	0.00	0.00	0.29	CO2
			-0.05	0.00	0.19	0.00	0.00	0.01	CO4
		P_z	-1.15	0.02	35.38	0.00	0.00	0.29	CO2
			-0.05	0.00	0.19	0.00	0.00	0.01	CO4
		M_k	-0.35	0.01	10.85	0.00	0.00	0.09	CO1
			-0.35	0.01	10.85	0.00	0.00	0.09	CO1
		M_y	-0.35	0.01	10.85	0.00	0.00	0.09	CO1
			-0.35	0.01	10.85	0.00	0.00	0.09	CO1
		M_z	-1.15	0.02	35.38	0.00	0.00	0.29	CO2
			-0.05	0.00	0.19	0.00	0.00	0.01	CO4
		Extremes	-0.05	0.02	35.38	0.00	0.00	0.29	
			-1.15	0.00	0.19	0.00	0.00	0.01	
211	ULS DS1	P_x	-0.08	-0.01	0.37	0.00	0.00	-0.06	CO4
			-1.62	-0.09	41.62	0.00	0.00	-1.13	CO2
		P_y	-0.08	-0.01	0.37	0.00	0.00	-0.06	CO4
			-1.62	-0.09	41.62	0.00	0.00	-1.13	CO2
		P_z	-1.62	-0.09	41.62	0.00	0.00	-1.13	CO2
			-0.08	-0.01	0.37	0.00	0.00	-0.06	CO4
		M_k	-0.49	-0.03	12.75	0.00	0.00	-0.34	CO1
			-0.49	-0.03	12.75	0.00	0.00	-0.34	CO1
		M_y	-0.49	-0.03	12.75	0.00	0.00	-0.34	CO1
			-0.49	-0.03	12.75	0.00	0.00	-0.34	CO1
		M_z	-0.08	-0.01	0.37	0.00	0.00	-0.06	CO4
			-1.62	-0.09	41.62	0.00	0.00	-1.13	CO2
		Extremes	-0.08	-0.01	41.62	0.00	0.00	-0.06	
			-1.62	-0.09	0.37	0.00	0.00	-1.13	
214	ULS DS1	P_x	0.02	0.04	-0.26	0.00	0.00	-0.09	CO2
			-0.01	0.01	-0.04	0.00	0.00	0.00	CO4
		P_y	0.02	0.04	-0.26	0.00	0.00	-0.09	CO2
			-0.01	0.01	-0.04	0.00	0.00	0.00	CO4
		P_z	0.01	0.01	-0.03	0.00	0.00	-0.03	CO1
			0.01	0.03	-0.26	0.00	0.00	-0.07	CO3
		M_k	0.01	0.01	-0.03	0.00	0.00	-0.03	CO1
			0.01	0.01	-0.03	0.00	0.00	-0.03	CO1
		M_y	0.01	0.01	-0.03	0.00	0.00	-0.03	CO1
			0.01	0.01	-0.03	0.00	0.00	-0.03	CO1
		M_z	-0.01	0.01	-0.04	0.00	0.00	0.00	CO4
			0.02	0.04	-0.26	0.00	0.00	-0.09	CO2
		Extremes	0.02	0.04	-0.03	0.00	0.00	0.00	
			-0.01	0.01	-0.26	0.00	0.00	-0.09	
215	ULS DS1	P_x	2.16	0.36	15.24	0.00	0.00	-2.40	CO2
			0.12	0.06	0.21	0.00	0.00	-0.11	CO4
		P_y	2.16	0.36	15.24	0.00	0.00	-2.40	CO2
			0.12	0.06	0.21	0.00	0.00	-0.11	CO4
		P_z	2.16	0.36	15.24	0.00	0.00	-2.40	CO2
			0.12	0.06	0.21	0.00	0.00	-0.11	CO4
		M_k	0.66	0.11	4.71	0.00	0.00	-0.73	CO1
			0.66	0.11	4.71	0.00	0.00	-0.73	CO1
		M_y	0.66	0.11	4.71	0.00	0.00	-0.73	CO1
			0.66	0.11	4.71	0.00	0.00	-0.73	CO1
		M_z	0.12	0.06	0.21	0.00	0.00	-0.11	CO4
			2.16	0.36	15.24	0.00	0.00	-2.40	CO2
		Extremes	2.16	0.36	15.24	0.00	0.00	-0.11	
			0.12	0.06	0.21	0.00	0.00	-2.40	
216	ULS DS1	P_x	1.06	-0.10	29.58	0.00	0.00	0.98	CO2
			0.04	-0.02	0.23	0.00	0.00	0.05	CO4
		P_y	0.04	-0.02	0.23	0.00	0.00	0.05	CO4
			1.06	-0.10	29.58	0.00	0.00	0.98	CO2
		P_z	1.06	-0.10	29.58	0.00	0.00	0.98	CO2
			0.04	-0.02	0.23	0.00	0.00	0.05	CO4
		M_k	0.32	-0.03	9.07	0.00	0.00	0.30	CO1
			0.32	-0.03	9.07	0.00	0.00	0.30	CO1

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
216		M _y	0.32	-0.03	9.07	0.00	0.00	0.30	CO1
			0.32	-0.03	9.07	0.00	0.00	0.30	CO1
		M _z	1.06	-0.10	29.58	0.00	0.00	0.98	CO2
			0.04	-0.02	0.23	0.00	0.00	0.05	CO4
			1.06	-0.02	29.58	0.00	0.00	0.98	
			0.04	-0.10	0.23	0.00	0.00	0.05	
Extremes 216									
219	ULS DS1	P _x	1.35	0.02	38.05	0.00	0.00	-0.31	CO2
			0.07	0.00	0.26	0.00	0.00	-0.02	CO4
		P _y	1.35	0.02	38.05	0.00	0.00	-0.31	CO2
			0.07	0.00	0.26	0.00	0.00	-0.02	CO4
		P _z	1.35	0.02	38.05	0.00	0.00	-0.31	CO2
			0.07	0.00	0.26	0.00	0.00	-0.02	CO4
		M _x	0.41	0.01	11.66	0.00	0.00	-0.10	CO1
			0.41	0.01	11.66	0.00	0.00	-0.10	CO1
		M _y	0.41	0.01	11.66	0.00	0.00	-0.10	CO1
			0.41	0.01	11.66	0.00	0.00	-0.10	CO1
		M _z	0.07	0.00	0.26	0.00	0.00	-0.02	CO4
			1.35	0.02	38.05	0.00	0.00	-0.31	CO2
			1.35	0.02	38.05	0.00	0.00	-0.02	
			0.07	0.00	0.26	0.00	0.00	-0.31	
Extremes 219									
222	ULS DS1	P _x	1.22	-0.01	36.31	0.00	0.00	0.09	CO2
			0.06	0.00	0.22	0.00	0.00	0.00	CO4
		P _y	1.22	-0.01	36.31	0.00	0.00	0.09	CO2
			0.06	0.00	0.22	0.00	0.00	0.00	CO4
		P _z	1.22	-0.01	36.31	0.00	0.00	0.09	CO2
			0.06	0.00	0.22	0.00	0.00	0.00	CO4
		M _x	0.37	0.00	11.13	0.00	0.00	0.03	CO1
			0.37	0.00	11.13	0.00	0.00	0.03	CO1
		M _y	0.37	0.00	11.13	0.00	0.00	0.03	CO1
			0.37	0.00	11.13	0.00	0.00	0.03	CO1
		M _z	1.22	-0.01	36.31	0.00	0.00	0.09	CO2
			0.06	0.00	0.22	0.00	0.00	0.00	CO4
			1.22	0.00	36.31	0.00	0.00	0.09	
			0.06	-0.01	0.22	0.00	0.00	0.00	
Extremes 222									
225	ULS DS1	P _x	1.25	0.00	36.66	0.00	0.00	-0.04	CO2
			0.06	0.00	0.23	0.00	0.00	0.00	CO4
		P _y	1.25	0.00	36.66	0.00	0.00	-0.04	CO2
			0.06	0.00	0.23	0.00	0.00	0.00	CO4
		P _z	1.25	0.00	36.66	0.00	0.00	-0.04	CO2
			0.06	0.00	0.23	0.00	0.00	0.00	CO4
		M _x	0.38	0.00	11.24	0.00	0.00	-0.01	CO1
			0.38	0.00	11.24	0.00	0.00	-0.01	CO1
		M _y	0.38	0.00	11.24	0.00	0.00	-0.01	CO1
			0.38	0.00	11.24	0.00	0.00	-0.01	CO1
		M _z	0.06	0.00	0.23	0.00	0.00	0.00	CO4
			1.25	0.00	36.66	0.00	0.00	-0.04	CO2
			1.25	0.00	36.66	0.00	0.00	0.00	
			0.06	0.00	0.23	0.00	0.00	-0.04	
Extremes 225									
228	ULS DS1	P _x	1.27	-0.01	36.95	0.00	0.00	0.08	CO2
			0.06	0.00	0.24	0.00	0.00	0.00	CO4
		P _y	1.27	-0.01	36.95	0.00	0.00	0.08	CO2
			0.06	0.00	0.24	0.00	0.00	0.00	CO4
		P _z	1.27	-0.01	36.95	0.00	0.00	0.08	CO2
			0.06	0.00	0.24	0.00	0.00	0.00	CO4
		M _x	0.39	0.00	11.32	0.00	0.00	0.02	CO1
			0.39	0.00	11.32	0.00	0.00	0.02	CO1
		M _y	0.39	0.00	11.32	0.00	0.00	0.02	CO1
			0.39	0.00	11.32	0.00	0.00	0.02	CO1
		M _z	1.27	-0.01	36.95	0.00	0.00	0.08	CO2
			0.06	0.00	0.24	0.00	0.00	0.00	CO4
			1.27	0.00	36.95	0.00	0.00	0.08	
			0.06	-0.01	0.24	0.00	0.00	0.00	
Extremes 228									
231	ULS DS1	P _x	1.15	0.02	35.38	0.00	0.00	-0.29	CO2
			0.05	0.00	0.19	0.00	0.00	-0.01	CO4
		P _y	1.15	0.02	35.38	0.00	0.00	-0.29	CO2
			0.05	0.00	0.19	0.00	0.00	-0.01	CO4
		P _z	1.15	0.02	35.38	0.00	0.00	-0.29	CO2
			0.05	0.00	0.19	0.00	0.00	-0.01	CO4
		M _x	0.35	0.01	10.85	0.00	0.00	-0.09	CO1
			0.35	0.01	10.85	0.00	0.00	-0.09	CO1
		M _y	0.35	0.01	10.85	0.00	0.00	-0.09	CO1
			0.35	0.01	10.85	0.00	0.00	-0.09	CO1

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
231		M _z	0.05	0.00	0.19	0.00	0.00	-0.01	CO4
			1.15	0.02	35.38	0.00	0.00	-0.29	CO2
			1.15	0.02	35.38	0.00	0.00	-0.01	
			0.05	0.00	0.19	0.00	0.00	-0.29	
Extremes 231									
234	ULS DS1	P _x	1.62	-0.09	41.62	0.00	0.00	1.13	CO2
			0.08	-0.01	0.37	0.00	0.00	0.06	CO4
		P _y	0.08	-0.01	0.37	0.00	0.00	0.06	CO4
			1.62	-0.09	41.62	0.00	0.00	1.13	CO2
		P _z	1.62	-0.09	41.62	0.00	0.00	1.13	CO2
			0.08	-0.01	0.37	0.00	0.00	0.06	CO4
		M _k	0.49	-0.03	12.75	0.00	0.00	0.34	CO1
			0.49	-0.03	12.75	0.00	0.00	0.34	CO1
		M _y	0.49	-0.03	12.75	0.00	0.00	0.34	CO1
			0.49	-0.03	12.75	0.00	0.00	0.34	CO1
		M _z	1.62	-0.09	41.62	0.00	0.00	1.13	CO2
			0.08	-0.01	0.37	0.00	0.00	0.06	CO4
		Extremes 234	1.62	-0.01	41.62	0.00	0.00	1.13	
			0.08	-0.09	0.37	0.00	0.00	0.06	
		237	ULS DS1	P _x	1.83	0.03	0.67	0.00	0.00
0.03	0.00				0.02	0.00	0.00	0.00	CO4
P _y	1.83			0.03	0.67	0.00	0.00	0.03	CO2
	0.03			0.00	0.02	0.00	0.00	0.00	CO4
P _z	1.83			0.03	0.67	0.00	0.00	0.03	CO2
	0.03			0.00	0.02	0.00	0.00	0.00	CO4
M _k	0.57			0.01	0.26	0.00	0.00	0.01	CO1
	0.57			0.01	0.26	0.00	0.00	0.01	CO1
M _y	0.57			0.01	0.26	0.00	0.00	0.01	CO1
	0.57			0.01	0.26	0.00	0.00	0.01	CO1
M _z	1.83			0.03	0.67	0.00	0.00	0.03	CO2
	0.03			0.00	0.02	0.00	0.00	0.00	CO4
Extremes 237	1.83			0.03	0.67	0.00	0.00	0.03	
	0.03			0.00	0.02	0.00	0.00	0.00	
238	ULS DS1			P _x	0.27	0.10	3.56	0.00	0.00
		0.04	0.10		4.22	0.00	0.00	0.34	CO1
		P _y	0.05	0.32	13.62	0.00	0.00	1.11	CO2
			0.22	-0.01	-1.13	0.00	0.00	-0.08	CO4
		P _z	0.05	0.32	13.62	0.00	0.00	1.11	CO2
			0.22	-0.01	-1.13	0.00	0.00	-0.08	CO4
		M _k	0.04	0.10	4.22	0.00	0.00	0.34	CO1
			0.04	0.10	4.22	0.00	0.00	0.34	CO1
		M _y	0.04	0.10	4.22	0.00	0.00	0.34	CO1
			0.04	0.10	4.22	0.00	0.00	0.34	CO1
		M _z	0.05	0.32	13.62	0.00	0.00	1.11	CO2
			0.22	-0.01	-1.13	0.00	0.00	-0.08	CO4
		Extremes 238	0.27	0.32	13.62	0.00	0.00	1.11	
			0.04	-0.01	-1.13	0.00	0.00	-0.08	
		239	ULS DS1	P _x	4.08	-0.10	27.88	0.00	0.00
-0.08	0.00				-2.48	0.00	0.00	0.05	CO4
P _y	-0.08			0.00	-2.48	0.00	0.00	0.05	CO4
	4.08			-0.10	27.88	0.00	0.00	-0.47	CO2
P _z	4.08			-0.10	27.88	0.00	0.00	-0.47	CO2
	-0.08			0.00	-2.48	0.00	0.00	0.05	CO4
M _k	1.22			-0.03	8.54	0.00	0.00	-0.14	CO1
	1.22			-0.03	8.54	0.00	0.00	-0.14	CO1
M _y	1.22			-0.03	8.54	0.00	0.00	-0.14	CO1
	1.22			-0.03	8.54	0.00	0.00	-0.14	CO1
M _z	-0.08			0.00	-2.48	0.00	0.00	0.05	CO4
	4.08			-0.10	27.88	0.00	0.00	-0.47	CO2
Extremes 239	4.08			-0.10	27.88	0.00	0.00	-0.47	
	-0.08			-0.10	-2.48	0.00	0.00	-0.47	
242	ULS DS1			P _x	3.48	0.03	35.80	0.00	0.00
		0.04	0.00		-3.22	0.00	0.00	-0.01	CO4
		P _y	3.48	0.03	35.80	0.00	0.00	0.16	CO2
			0.04	0.00	-3.22	0.00	0.00	-0.01	CO4
		P _z	3.48	0.03	35.80	0.00	0.00	0.16	CO2
			0.04	0.00	-3.22	0.00	0.00	-0.01	CO4
		M _k	1.04	0.01	10.96	0.00	0.00	0.05	CO1
			1.04	0.01	10.96	0.00	0.00	0.05	CO1
		M _y	1.04	0.01	10.96	0.00	0.00	0.05	CO1
			1.04	0.01	10.96	0.00	0.00	0.05	CO1
		M _z	3.48	0.03	35.80	0.00	0.00	0.16	CO2
			0.04	0.00	-3.22	0.00	0.00	-0.01	CO4
			3.48	0.03	35.80	0.00	0.00	0.16	
			0.04	0.00	-3.22	0.00	0.00	-0.01	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 242			3.48 0.04	0.03 0.00	35.80 -3.22	0.00 0.00	0.00 0.00	0.16 -0.01	
245	ULS DS1	P _x	3.66 0.03	-0.01 0.00	34.56 -3.11	0.00 0.00	0.00 0.00	-0.04 0.00	CO2 CO4
			0.03	0.00	-3.11	0.00	0.00	0.00	CO4
		P _y	3.66 0.03	-0.01 0.00	34.56 -3.11	0.00 0.00	0.00 0.00	-0.04 0.00	CO2 CO2
			0.03	0.00	-3.11	0.00	0.00	0.00	CO2
		P _z	3.66 0.03	-0.01 0.00	34.56 -3.11	0.00 0.00	0.00 0.00	-0.04 0.00	CO2 CO4
			0.03	0.00	-3.11	0.00	0.00	0.00	CO4
		M _k	1.10 1.10	0.00 0.00	10.59 10.59	0.00 0.00	0.00 0.00	-0.01 -0.01	CO1 CO1
			1.10	0.00	10.59	0.00	0.00	-0.01	CO1
		M _y	1.10 0.03	0.00 0.00	10.59 -3.11	0.00 0.00	0.00 0.00	-0.01 0.00	CO1 CO4
			0.03	0.00	-3.11	0.00	0.00	0.00	CO4
		M _z	3.66 0.03	-0.01 0.00	34.56 -3.11	0.00 0.00	0.00 0.00	-0.04 -0.04	CO2 CO2
			0.03	0.00	-3.11	0.00	0.00	-0.04	
		Extremes 245							
248	ULS DS1	P _x	3.62 0.04	0.00 0.00	34.80 -3.13	0.00 0.00	0.00 0.00	0.02 0.00	CO2 CO4
			0.04	0.00	-3.13	0.00	0.00	0.00	CO4
		P _y	3.62 0.04	0.00 0.00	34.80 -3.13	0.00 0.00	0.00 0.00	0.02 0.00	CO2 CO4
			0.04	0.00	-3.13	0.00	0.00	0.00	CO4
		P _z	3.62 0.04	0.00 0.00	34.80 -3.13	0.00 0.00	0.00 0.00	0.02 0.00	CO2 CO4
			0.04	0.00	-3.13	0.00	0.00	0.00	CO4
		M _k	1.08 1.08	0.00 0.00	10.66 10.66	0.00 0.00	0.00 0.00	0.01 0.01	CO1 CO1
			1.08	0.00	10.66	0.00	0.00	0.01	CO1
		M _y	1.08 1.08	0.00 0.00	10.66 10.66	0.00 0.00	0.00 0.00	0.01 0.01	CO1 CO1
			1.08	0.00	10.66	0.00	0.00	0.01	CO1
		M _z	3.62 0.04	0.00 0.00	34.80 -3.13	0.00 0.00	0.00 0.00	0.02 0.00	CO2 CO4
			0.04	0.00	-3.13	0.00	0.00	0.00	CO4
		Extremes 248							
251	ULS DS1	P _x	3.59 0.04	-0.01 0.00	34.97 -3.14	0.00 0.00	0.00 0.00	-0.04 0.00	CO2 CO4
			0.04	0.00	-3.14	0.00	0.00	0.00	CO4
		P _y	3.59 0.04	-0.01 0.00	34.97 -3.14	0.00 0.00	0.00 0.00	-0.04 0.00	CO2 CO4
			0.04	0.00	-3.14	0.00	0.00	0.00	CO4
		P _z	3.59 0.04	-0.01 0.00	34.97 -3.14	0.00 0.00	0.00 0.00	-0.04 0.00	CO2 CO4
			0.04	0.00	-3.14	0.00	0.00	0.00	CO4
		M _k	1.08 1.08	0.00 0.00	10.71 10.71	0.00 0.00	0.00 0.00	-0.01 -0.01	CO1 CO1
			1.08	0.00	10.71	0.00	0.00	-0.01	CO1
		M _y	1.08 1.08	0.00 0.00	10.71 10.71	0.00 0.00	0.00 0.00	-0.01 -0.01	CO1 CO1
			1.08	0.00	10.71	0.00	0.00	-0.01	CO1
		M _z	3.59 0.04	-0.01 0.00	34.97 -3.14	0.00 0.00	0.00 0.00	-0.04 0.00	CO2 CO4
			0.04	0.00	-3.14	0.00	0.00	0.00	CO4
		Extremes 251							
254	ULS DS1	P _x	3.76 0.03	0.02 0.00	33.98 -3.07	0.00 0.00	0.00 0.00	0.14 0.00	CO2 CO4
			0.03	0.00	-3.07	0.00	0.00	0.00	CO4
		P _y	3.76 0.03	0.02 0.00	33.98 -3.07	0.00 0.00	0.00 0.00	0.14 0.00	CO2 CO4
			0.03	0.00	-3.07	0.00	0.00	0.00	CO4
		P _z	3.76 0.03	0.02 0.00	33.98 -3.07	0.00 0.00	0.00 0.00	0.14 0.00	CO2 CO4
			0.03	0.00	-3.07	0.00	0.00	0.00	CO4
		M _k	1.13 1.13	0.01 0.01	10.41 10.41	0.00 0.00	0.00 0.00	0.04 0.04	CO1 CO1
			1.13	0.01	10.41	0.00	0.00	0.04	CO1
		M _y	1.13 1.13	0.01 0.01	10.41 10.41	0.00 0.00	0.00 0.00	0.04 0.04	CO1 CO1
			1.13	0.01	10.41	0.00	0.00	0.04	CO1
		M _z	3.76 0.03	0.02 0.00	33.98 -3.07	0.00 0.00	0.00 0.00	0.14 0.00	CO2 CO4
			0.03	0.00	-3.07	0.00	0.00	0.00	CO4
		Extremes 254							
257	ULS DS1	P _x	3.11 0.06	-0.10 0.00	38.24 -3.42	0.00 0.00	0.00 0.00	-0.57 0.03	CO2 CO4
			0.06	0.00	-3.42	0.00	0.00	0.03	CO4
		P _y	3.11 0.06	-0.10 0.00	38.24 -3.42	0.00 0.00	0.00 0.00	-0.57 0.03	CO2 CO2
			0.06	0.00	-3.42	0.00	0.00	0.03	CO4
		P _z	3.11 0.06	-0.10 0.00	38.24 -3.42	0.00 0.00	0.00 0.00	-0.57 0.03	CO2 CO4
			0.06	0.00	-3.42	0.00	0.00	0.03	CO4
		M _k	0.93 0.93	-0.03 -0.03	11.71 11.71	0.00 0.00	0.00 0.00	-0.17 -0.17	CO1 CO1
			0.93	-0.03	11.71	0.00	0.00	-0.17	CO1
		M _y	0.93 0.93	-0.03 -0.03	11.71 11.71	0.00 0.00	0.00 0.00	-0.17 -0.17	CO1 CO1
			0.93	-0.03	11.71	0.00	0.00	-0.17	CO1
		M _z	3.11 0.06	-0.10 0.00	38.24 -3.42	0.00 0.00	0.00 0.00	-0.57 0.03	CO2 CO4
			0.06	0.00	-3.42	0.00	0.00	0.03	CO4
		Extremes 257							

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
260	ULS DS1	P_x	-0.03	0.00	0.02	0.00	0.00	0.00	CO4
			-1.83	0.03	0.67	0.00	0.00	-0.03	CO2
		P_y	-1.83	0.03	0.67	0.00	0.00	-0.03	CO2
			-0.03	0.00	0.02	0.00	0.00	0.00	CO4
		P_z	-1.83	0.03	0.67	0.00	0.00	-0.03	CO2
			-0.03	0.00	0.02	0.00	0.00	0.00	CO4
		M_k	-0.57	0.01	0.25	0.00	0.00	-0.01	CO1
			-0.57	0.01	0.25	0.00	0.00	-0.01	CO1
		M_y	-0.57	0.01	0.25	0.00	0.00	-0.01	CO1
			-0.57	0.01	0.25	0.00	0.00	-0.01	CO1
		M_z	-0.03	0.00	0.02	0.00	0.00	0.00	CO4
			-1.83	0.03	0.67	0.00	0.00	-0.03	CO2
		Extremes	-0.03	0.03	0.67	0.00	0.00	0.00	
			-1.83	0.00	0.02	0.00	0.00	-0.03	
261	ULS DS1	P_x	-0.04	0.10	4.22	0.00	0.00	-0.34	CO1
			-0.27	0.10	3.56	0.00	0.00	-0.29	CO5
		P_y	-0.05	0.32	13.62	0.00	0.00	-1.11	CO2
			-0.22	-0.01	-1.13	0.00	0.00	0.08	CO4
		P_z	-0.05	0.32	13.62	0.00	0.00	-1.11	CO2
			-0.22	-0.01	-1.13	0.00	0.00	0.08	CO4
		M_k	-0.04	0.10	4.22	0.00	0.00	-0.34	CO1
			-0.04	0.10	4.22	0.00	0.00	-0.34	CO1
		M_y	-0.04	0.10	4.22	0.00	0.00	-0.34	CO1
			-0.04	0.10	4.22	0.00	0.00	-0.34	CO1
		M_z	-0.22	-0.01	-1.13	0.00	0.00	0.08	CO4
			-0.05	0.32	13.62	0.00	0.00	-1.11	CO2
		Extremes	-0.04	0.32	13.62	0.00	0.00	0.08	
			-0.27	-0.01	-1.13	0.00	0.00	-1.11	
262	ULS DS1	P_x	0.08	0.00	-2.48	0.00	0.00	-0.05	CO4
			-4.08	-0.10	27.88	0.00	0.00	0.47	CO2
		P_y	0.08	0.00	-2.48	0.00	0.00	-0.05	CO4
			-4.08	-0.10	27.88	0.00	0.00	0.47	CO2
		P_z	-4.08	-0.10	27.88	0.00	0.00	0.47	CO2
			0.08	0.00	-2.48	0.00	0.00	-0.05	CO4
		M_k	-1.22	-0.03	8.54	0.00	0.00	0.14	CO1
			-1.22	-0.03	8.54	0.00	0.00	0.14	CO1
		M_y	-1.22	-0.03	8.54	0.00	0.00	0.14	CO1
			-1.22	-0.03	8.54	0.00	0.00	0.14	CO1
		M_z	-4.08	-0.10	27.88	0.00	0.00	0.47	CO2
			0.08	0.00	-2.48	0.00	0.00	-0.05	CO4
		Extremes	0.08	0.00	-2.48	0.00	0.00	0.47	
			-4.08	-0.10	-2.48	0.00	0.00	-0.05	
265	ULS DS1	P_x	-0.04	0.00	-3.22	0.00	0.00	0.01	CO4
			-3.48	0.03	35.80	0.00	0.00	-0.16	CO2
		P_y	-3.48	0.03	35.80	0.00	0.00	-0.16	CO2
			-0.04	0.00	-3.22	0.00	0.00	0.01	CO4
		P_z	-3.48	0.03	35.80	0.00	0.00	-0.16	CO2
			-0.04	0.00	-3.22	0.00	0.00	0.01	CO4
		M_k	-1.04	0.01	10.96	0.00	0.00	-0.05	CO1
			-1.04	0.01	10.96	0.00	0.00	-0.05	CO1
		M_y	-1.04	0.01	10.96	0.00	0.00	-0.05	CO1
			-1.04	0.01	10.96	0.00	0.00	-0.05	CO1
		M_z	-0.04	0.00	-3.22	0.00	0.00	0.01	CO4
			-3.48	0.03	35.80	0.00	0.00	-0.16	CO2
		Extremes	-0.04	0.03	35.80	0.00	0.00	0.01	
			-3.48	0.00	-3.22	0.00	0.00	-0.16	
268	ULS DS1	P_x	-0.03	0.00	-3.11	0.00	0.00	0.00	CO4
			-3.66	-0.01	34.56	0.00	0.00	0.04	CO2
		P_y	-0.03	0.00	-3.11	0.00	0.00	0.00	CO4
			-3.66	-0.01	34.56	0.00	0.00	0.04	CO2
		P_z	-3.66	-0.01	34.56	0.00	0.00	0.04	CO2
			-0.03	0.00	-3.11	0.00	0.00	0.00	CO4
		M_k	-1.10	0.00	10.59	0.00	0.00	0.01	CO1
			-1.10	0.00	10.59	0.00	0.00	0.01	CO1
		M_y	-1.10	0.00	10.59	0.00	0.00	0.01	CO1
			-1.10	0.00	10.59	0.00	0.00	0.01	CO1
		M_z	-3.66	-0.01	34.56	0.00	0.00	0.04	CO2
			-0.03	0.00	-3.11	0.00	0.00	0.00	CO4
		Extremes	-0.03	0.00	34.56	0.00	0.00	0.04	
			-3.66	-0.01	-3.11	0.00	0.00	0.00	
271	ULS DS1	P_x	-0.04	0.00	-3.13	0.00	0.00	0.00	CO4
			-3.62	0.00	34.80	0.00	0.00	-0.02	CO2

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
271		P_y	-3.62	0.00	34.80	0.00	0.00	-0.02	CO2
			-0.04	0.00	-3.13	0.00	0.00	0.00	CO4
			-3.62	0.00	34.80	0.00	0.00	-0.02	CO2
		P_z	-0.04	0.00	-3.13	0.00	0.00	0.00	CO4
			-1.08	0.00	10.66	0.00	0.00	-0.01	CO1
			-1.08	0.00	10.66	0.00	0.00	-0.01	CO1
		M_k	-1.08	0.00	10.66	0.00	0.00	-0.01	CO1
			-1.08	0.00	10.66	0.00	0.00	-0.01	CO1
			-1.08	0.00	10.66	0.00	0.00	-0.01	CO1
		M_y	-0.04	0.00	-3.13	0.00	0.00	0.00	CO4
			-3.62	0.00	34.80	0.00	0.00	-0.02	CO2
			-0.04	0.00	34.80	0.00	0.00	0.00	CO2
Extremes 271			-3.62	0.00	-3.13	0.00	0.00	-0.02	
274	ULS DS1	P_x	-0.04	0.00	-3.14	0.00	0.00	0.00	CO4
			-3.59	-0.01	34.97	0.00	0.00	0.04	CO2
			-0.04	0.00	-3.14	0.00	0.00	0.00	CO4
		P_y	-3.59	-0.01	34.97	0.00	0.00	0.04	CO2
			-3.59	-0.01	34.97	0.00	0.00	0.04	CO2
			-3.59	-0.01	34.97	0.00	0.00	0.04	CO2
		P_z	-0.04	0.00	-3.14	0.00	0.00	0.00	CO4
			-1.08	0.00	10.71	0.00	0.00	0.01	CO1
			-1.08	0.00	10.71	0.00	0.00	0.01	CO1
		M_k	-1.08	0.00	10.71	0.00	0.00	0.01	CO1
			-1.08	0.00	10.71	0.00	0.00	0.01	CO1
			-1.08	0.00	10.71	0.00	0.00	0.01	CO1
Extremes 274			-3.59	-0.01	34.97	0.00	0.00	0.04	CO2
277	ULS DS1	P_x	-0.03	0.00	-3.07	0.00	0.00	0.00	CO4
			-3.76	0.02	33.98	0.00	0.00	-0.14	CO2
			-0.03	0.00	-3.07	0.00	0.00	0.00	CO4
		P_y	-3.76	0.02	33.98	0.00	0.00	-0.14	CO2
			-3.76	0.02	33.98	0.00	0.00	-0.14	CO2
			-3.76	0.02	33.98	0.00	0.00	-0.14	CO2
		P_z	-0.03	0.00	-3.07	0.00	0.00	0.00	CO4
			-1.13	0.01	10.41	0.00	0.00	-0.04	CO1
			-1.13	0.01	10.41	0.00	0.00	-0.04	CO1
		M_k	-1.13	0.01	10.41	0.00	0.00	-0.04	CO1
			-1.13	0.01	10.41	0.00	0.00	-0.04	CO1
			-1.13	0.01	10.41	0.00	0.00	-0.04	CO1
Extremes 277			-3.76	0.02	33.98	0.00	0.00	-0.14	CO2
280	ULS DS1	P_x	-0.06	0.00	-3.42	0.00	0.00	-0.03	CO4
			-3.11	-0.10	38.24	0.00	0.00	0.57	CO2
			-0.06	0.00	-3.42	0.00	0.00	-0.03	CO4
		P_y	-3.11	-0.10	38.24	0.00	0.00	0.57	CO2
			-3.11	-0.10	38.24	0.00	0.00	0.57	CO2
			-3.11	-0.10	38.24	0.00	0.00	0.57	CO2
		P_z	-0.06	0.00	-3.42	0.00	0.00	-0.03	CO4
			-0.93	-0.03	11.71	0.00	0.00	0.17	CO1
			-0.93	-0.03	11.71	0.00	0.00	0.17	CO1
		M_k	-0.93	-0.03	11.71	0.00	0.00	0.17	CO1
			-0.93	-0.03	11.71	0.00	0.00	0.17	CO1
			-0.93	-0.03	11.71	0.00	0.00	0.17	CO1
Extremes 280			-3.11	-0.10	38.24	0.00	0.00	0.57	CO2
283	ULS DS1	P_x	0.01	-0.29	-0.23	0.00	0.00	-0.12	CO3
			0.00	-0.10	-0.02	0.00	0.00	-0.04	CO1
			0.01	-0.29	-0.23	0.00	0.00	-0.12	CO3
		P_y	0.01	-0.05	-0.06	0.00	0.00	-0.03	CO4
			0.01	-0.31	-0.21	0.00	0.00	-0.12	CO2
			0.00	-0.10	-0.02	0.00	0.00	-0.04	CO1
		P_z	0.01	-0.29	-0.23	0.00	0.00	-0.12	CO3
			0.00	-0.10	-0.02	0.00	0.00	-0.04	CO1
			0.00	-0.10	-0.02	0.00	0.00	-0.04	CO1
		M_k	0.00	-0.10	-0.02	0.00	0.00	-0.04	CO1
			0.00	-0.10	-0.02	0.00	0.00	-0.04	CO1
			0.00	-0.10	-0.02	0.00	0.00	-0.04	CO1
Extremes 283			0.01	-0.05	-0.06	0.00	0.00	-0.03	CO4
285	ULS DS1	P_x	0.11	0.00	0.71	0.00	0.00	-0.01	CO4
			-0.47	0.07	31.00	0.00	0.00	-1.05	CO2
		P_y	-0.47	0.07	31.00	0.00	0.00	-1.05	CO2
			0.11	0.00	0.71	0.00	0.00	-0.01	CO4

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
285		P _z	-0.47	0.07	31.00	0.00	0.00	-1.05	CO2
			0.11	0.00	0.71	0.00	0.00	-0.01	CO4
			-0.14	0.02	9.51	0.00	0.00	-0.32	CO1
		M _k	-0.14	0.02	9.51	0.00	0.00	-0.32	CO1
			-0.14	0.02	9.51	0.00	0.00	-0.32	CO1
			-0.14	0.02	9.51	0.00	0.00	-0.32	CO1
		M _y	-0.14	0.02	9.51	0.00	0.00	-0.32	CO1
			-0.14	0.02	9.51	0.00	0.00	-0.32	CO1
			-0.14	0.02	9.51	0.00	0.00	-0.32	CO1
		M _z	-0.11	0.00	0.71	0.00	0.00	-0.01	CO4
			-0.11	0.00	0.71	0.00	0.00	-0.01	CO4
			-0.11	0.00	0.71	0.00	0.00	-0.01	CO4
Extremes 285			-0.47	0.07	31.00	0.00	0.00	-1.05	CO2
			0.11	0.00	0.71	0.00	0.00	-0.01	CO4
			-0.47	0.00	0.71	0.00	0.00	-1.05	
288	ULS DS1	P _x	0.02	0.00	0.30	0.00	0.00	-0.01	CO4
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
		P _y	0.02	0.00	0.30	0.00	0.00	-0.01	CO4
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
		P _z	0.02	0.00	0.30	0.00	0.00	-0.01	CO4
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
		M _k	0.02	0.00	0.30	0.00	0.00	-0.01	CO4
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
Extremes 288			0.02	0.00	0.30	0.00	0.00	-0.01	CO4
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
			-1.65	0.01	36.01	0.00	0.00	0.28	CO2
291	ULS DS1	P _x	0.03	0.00	0.31	0.00	0.00	-0.01	CO4
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
		P _y	0.03	0.00	0.31	0.00	0.00	-0.01	CO4
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
		P _z	0.03	0.00	0.31	0.00	0.00	-0.01	CO4
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
		M _k	0.03	0.00	0.31	0.00	0.00	-0.01	CO4
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
Extremes 291			0.03	0.00	0.31	0.00	0.00	-0.01	CO4
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
			-1.48	0.00	35.60	0.00	0.00	-0.18	CO2
294	ULS DS1	P _x	0.03	0.00	0.37	0.00	0.00	-0.02	CO4
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
		P _y	0.03	0.00	0.37	0.00	0.00	-0.02	CO4
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
		P _z	0.03	0.00	0.37	0.00	0.00	-0.02	CO4
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
		M _k	0.03	0.00	0.37	0.00	0.00	-0.02	CO4
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
Extremes 294			0.03	0.00	0.37	0.00	0.00	-0.02	CO4
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
			-1.33	-0.02	33.38	0.00	0.00	0.49	CO2
297	ULS DS1	P _x	0.03	-0.01	0.21	0.00	0.00	0.03	CO4
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
		P _y	0.03	-0.01	0.21	0.00	0.00	0.03	CO4
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
		P _z	0.03	-0.01	0.21	0.00	0.00	0.03	CO4
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
		M _k	0.03	-0.01	0.21	0.00	0.00	0.03	CO4
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
Extremes 297			0.03	-0.01	0.21	0.00	0.00	0.03	CO4
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
			-1.92	0.04	42.11	0.00	0.00	-2.12	CO2
301	ULS DS1	P _x	0.07	0.05	0.66	0.00	0.00	-0.06	CO4
			-0.81	0.17	34.96	0.00	0.00	4.23	CO2
		P _y	-0.81	0.17	34.96	0.00	0.00	4.23	CO2
			0.07	0.05	0.66	0.00	0.00	-0.06	CO4
		P _z	-0.81	0.17	34.96	0.00	0.00	4.23	CO2
			0.07	0.05	0.66	0.00	0.00	-0.06	CO4

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
301		M _k	-0.25	0.05	10.76	0.00	0.00	1.28	CO1
			-0.25	0.05	10.76	0.00	0.00	1.28	CO1
			-0.25	0.05	10.76	0.00	0.00	1.28	CO1
		M _y	-0.25	0.05	10.76	0.00	0.00	1.28	CO1
			-0.25	0.05	10.76	0.00	0.00	1.28	CO1
			-0.25	0.05	10.76	0.00	0.00	1.28	CO1
		M _z	-0.81	0.17	34.96	0.00	0.00	4.23	CO2
			0.07	0.05	0.66	0.00	0.00	-0.06	CO4
			0.07	0.17	34.96	0.00	0.00	4.23	CO2
		Extremes	-0.81	0.05	0.66	0.00	0.00	-0.06	
326	ULS DS1	P _x	0.03	-0.04	0.63	0.00	0.00	-0.08	CO3
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
			0.02	0.00	0.24	0.00	0.00	-0.01	CO4
		P _y	0.02	-0.04	0.62	0.00	0.00	-0.09	CO2
			0.03	-0.04	0.63	0.00	0.00	-0.08	CO3
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
		P _z	0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
		M _k	0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
		M _y	0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO1
		M _z	0.02	0.00	0.24	0.00	0.00	-0.01	CO4
			0.02	-0.04	0.62	0.00	0.00	-0.09	CO2
			0.03	0.00	0.63	0.00	0.00	-0.01	CO4
		Extremes	0.01	-0.04	0.23	0.00	0.00	-0.09	
327	ULS DS1	P _x	1.07	0.14	22.41	0.00	0.00	0.95	CO2
			0.20	0.01	3.60	0.00	0.00	0.14	CO4
			1.07	0.14	22.41	0.00	0.00	0.95	CO2
		P _y	0.20	0.01	3.60	0.00	0.00	0.14	CO4
			1.07	0.14	22.41	0.00	0.00	0.95	CO2
			0.20	0.01	3.60	0.00	0.00	0.14	CO4
		P _z	1.07	0.14	22.41	0.00	0.00	0.95	CO2
			0.20	0.01	3.60	0.00	0.00	0.14	CO4
			1.07	0.14	22.41	0.00	0.00	0.95	CO2
		M _k	0.33	0.04	6.85	0.00	0.00	0.29	CO1
			0.33	0.04	6.85	0.00	0.00	0.29	CO1
			0.33	0.04	6.85	0.00	0.00	0.29	CO1
		M _y	0.33	0.04	6.85	0.00	0.00	0.29	CO1
			0.33	0.04	6.85	0.00	0.00	0.29	CO1
			0.33	0.04	6.85	0.00	0.00	0.29	CO1
		M _z	1.07	0.14	22.41	0.00	0.00	0.95	CO2
			0.20	0.01	3.60	0.00	0.00	0.14	CO4
			1.07	0.14	22.41	0.00	0.00	0.95	CO2
		Extremes	0.20	0.01	3.60	0.00	0.00	0.14	
330	ULS DS1	P _x	1.48	-0.04	28.73	0.00	0.00	-0.20	CO2
			0.27	0.00	4.66	0.00	0.00	-0.03	CO4
			1.48	-0.04	28.73	0.00	0.00	-0.20	CO2
		P _y	0.27	0.00	4.66	0.00	0.00	-0.03	CO4
			1.48	-0.04	28.73	0.00	0.00	-0.20	CO2
			0.27	0.00	4.66	0.00	0.00	-0.03	CO4
		P _z	1.48	-0.04	28.73	0.00	0.00	-0.20	CO2
			0.27	0.00	4.66	0.00	0.00	-0.03	CO4
			1.48	-0.04	28.73	0.00	0.00	-0.20	CO2
		M _k	0.45	-0.01	8.78	0.00	0.00	-0.06	CO1
			0.45	-0.01	8.78	0.00	0.00	-0.06	CO1
			0.45	-0.01	8.78	0.00	0.00	-0.06	CO1
		M _y	0.45	-0.01	8.78	0.00	0.00	-0.06	CO1
			0.45	-0.01	8.78	0.00	0.00	-0.06	CO1
			0.45	-0.01	8.78	0.00	0.00	-0.06	CO1
		M _z	0.27	0.00	4.66	0.00	0.00	-0.03	CO4
			1.48	-0.04	28.73	0.00	0.00	-0.20	CO2
			1.48	0.00	28.73	0.00	0.00	-0.03	CO2
		Extremes	0.27	-0.04	4.66	0.00	0.00	-0.20	
333	ULS DS1	P _x	1.41	0.01	27.85	0.00	0.00	0.05	CO2
			0.27	0.00	4.54	0.00	0.00	0.00	CO4
			1.41	0.01	27.85	0.00	0.00	0.05	CO2
		P _y	0.27	0.00	4.54	0.00	0.00	0.00	CO4
			1.41	0.01	27.85	0.00	0.00	0.05	CO2
			0.27	0.00	4.54	0.00	0.00	0.00	CO4
		P _z	1.41	0.01	27.85	0.00	0.00	0.05	CO2
			0.27	0.00	4.54	0.00	0.00	0.00	CO4
			1.41	0.01	27.85	0.00	0.00	0.05	CO2
		M _k	0.43	0.00	8.51	0.00	0.00	0.01	CO1
			0.43	0.00	8.51	0.00	0.00	0.01	CO1
			0.43	0.00	8.51	0.00	0.00	0.01	CO1
		M _y	0.43	0.00	8.51	0.00	0.00	0.01	CO1
			0.43	0.00	8.51	0.00	0.00	0.01	CO1
			0.43	0.00	8.51	0.00	0.00	0.01	CO1
		M _z	1.41	0.01	27.85	0.00	0.00	0.05	CO2
			0.27	0.00	4.54	0.00	0.00	0.00	CO4
			1.41	0.01	27.85	0.00	0.00	0.05	CO2
		Extremes	0.27	0.00	4.54	0.00	0.00	0.00	
336	ULS DS1	P _x	1.42	0.00	28.01	0.00	0.00	-0.02	CO2
			0.27	0.00	4.56	0.00	0.00	0.00	CO4
			1.42	0.00	28.01	0.00	0.00	-0.02	CO2
		P _y	0.27	0.00	4.56	0.00	0.00	0.00	CO4
			1.42	0.00	28.01	0.00	0.00	-0.02	CO2
			0.27	0.00	4.56	0.00	0.00	0.00	CO4
		P _z	1.42	0.00	28.01	0.00	0.00	-0.02	CO2
			0.27	0.00	4.56	0.00	0.00	0.00	CO4
			1.42	0.00	28.01	0.00	0.00	-0.02	CO2
		M _k	0.43	0.00	8.56	0.00	0.00	-0.01	CO1
			0.43	0.00	8.56	0.00	0.00	-0.01	CO1
			0.43	0.00	8.56	0.00	0.00	-0.01	CO1
		Extremes	0.43	0.00	8.56	0.00	0.00	-0.01	

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
336		M _y	0.43	0.00	8.56	0.00	0.00	-0.01	CO1
			0.43	0.00	8.56	0.00	0.00	-0.01	CO1
		M _z	0.27	0.00	4.56	0.00	0.00	0.00	CO4
			1.42	0.00	28.01	0.00	0.00	-0.02	CO2
			1.42	0.00	28.01	0.00	0.00	0.00	
			0.27	0.00	4.56	0.00	0.00	-0.02	
Extremes 336									
339	ULS DS1	P _x	1.43	0.01	28.12	0.00	0.00	0.04	CO2
			0.27	0.00	4.57	0.00	0.00	0.00	CO4
		P _y	1.43	0.01	28.12	0.00	0.00	0.04	CO2
			0.27	0.00	4.57	0.00	0.00	0.00	CO4
		P _z	1.43	0.01	28.12	0.00	0.00	0.04	CO2
			0.27	0.00	4.57	0.00	0.00	0.00	CO4
		M _x	0.44	0.00	8.59	0.00	0.00	0.01	CO1
			0.44	0.00	8.59	0.00	0.00	0.01	CO1
		M _y	0.44	0.00	8.59	0.00	0.00	0.01	CO1
			0.44	0.00	8.59	0.00	0.00	0.01	CO1
		M _z	1.43	0.01	28.12	0.00	0.00	0.04	CO2
			0.27	0.00	4.57	0.00	0.00	0.00	CO4
			1.43	0.01	28.12	0.00	0.00	0.04	
			0.27	0.00	4.57	0.00	0.00	0.00	
Extremes 339									
342	ULS DS1	P _x	1.38	-0.03	27.46	0.00	0.00	-0.16	CO2
			0.26	0.00	4.50	0.00	0.00	-0.02	CO4
		P _y	0.26	0.00	4.50	0.00	0.00	-0.02	CO4
			1.38	-0.03	27.46	0.00	0.00	-0.16	CO2
		P _z	1.38	-0.03	27.46	0.00	0.00	-0.16	CO2
			0.26	0.00	4.50	0.00	0.00	-0.02	CO4
		M _x	0.42	-0.01	8.39	0.00	0.00	-0.05	CO1
			0.42	-0.01	8.39	0.00	0.00	-0.05	CO1
		M _y	0.42	-0.01	8.39	0.00	0.00	-0.05	CO1
			0.42	-0.01	8.39	0.00	0.00	-0.05	CO1
		M _z	0.26	0.00	4.50	0.00	0.00	-0.02	CO4
			1.38	-0.03	27.46	0.00	0.00	-0.16	CO2
			1.38	0.00	27.46	0.00	0.00	-0.02	
			0.26	-0.03	4.50	0.00	0.00	-0.16	
Extremes 342									
345	ULS DS1	P _x	1.61	0.13	30.49	0.00	0.00	0.70	CO2
			0.29	0.01	4.87	0.00	0.00	0.08	CO4
		P _y	1.61	0.13	30.49	0.00	0.00	0.70	CO2
			0.29	0.01	4.87	0.00	0.00	0.08	CO4
		P _z	1.61	0.13	30.49	0.00	0.00	0.70	CO2
			0.29	0.01	4.87	0.00	0.00	0.08	CO4
		M _x	0.49	0.04	9.31	0.00	0.00	0.21	CO1
			0.49	0.04	9.31	0.00	0.00	0.21	CO1
		M _y	0.49	0.04	9.31	0.00	0.00	0.21	CO1
			0.49	0.04	9.31	0.00	0.00	0.21	CO1
		M _z	1.61	0.13	30.49	0.00	0.00	0.70	CO2
			0.29	0.01	4.87	0.00	0.00	0.08	CO4
			1.61	0.13	30.49	0.00	0.00	0.70	
			0.29	0.01	4.87	0.00	0.00	0.08	
Extremes 345									
348	ULS DS1	P _x	1.82	-0.48	10.76	0.00	0.00	-2.08	CO2
			0.30	-0.03	1.77	0.00	0.00	-0.29	CO4
		P _y	0.30	-0.03	1.77	0.00	0.00	-0.29	CO4
			1.82	-0.48	10.76	0.00	0.00	-2.08	CO2
		P _z	1.82	-0.48	10.76	0.00	0.00	-2.08	CO2
			0.30	-0.03	1.77	0.00	0.00	-0.29	CO4
		M _x	0.56	-0.15	3.32	0.00	0.00	-0.63	CO1
			0.56	-0.15	3.32	0.00	0.00	-0.63	CO1
		M _y	0.56	-0.15	3.32	0.00	0.00	-0.63	CO1
			0.56	-0.15	3.32	0.00	0.00	-0.63	CO1
		M _z	0.30	-0.03	1.77	0.00	0.00	-0.29	CO4
			1.82	-0.48	10.76	0.00	0.00	-2.08	CO2
			1.82	-0.03	10.76	0.00	0.00	-0.29	
			0.30	-0.48	1.77	0.00	0.00	-2.08	
Extremes 348									
349	ULS DS1	P _x	-0.31	0.04	1.78	0.00	0.00	0.33	CO4
			-1.61	-0.01	10.72	0.00	0.00	2.25	CO2
		P _y	-0.31	0.04	1.78	0.00	0.00	0.33	CO4
			-1.61	-0.01	10.72	0.00	0.00	2.25	CO2
		P _z	-1.61	-0.01	10.72	0.00	0.00	2.25	CO2
			-0.31	0.04	1.78	0.00	0.00	0.33	CO4
		M _x	-0.49	0.00	3.30	0.00	0.00	0.68	CO1
			-0.49	0.00	3.30	0.00	0.00	0.68	CO1
		M _y	-0.49	0.00	3.30	0.00	0.00	0.68	CO1
			-0.49	0.00	3.30	0.00	0.00	0.68	CO1
			-0.49	0.00	3.30	0.00	0.00	0.68	
			-0.49	0.00	3.30	0.00	0.00	0.68	
			-0.49	0.00	3.30	0.00	0.00	0.68	
			-0.49	0.00	3.30	0.00	0.00	0.68	
Extremes 349									

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
349		M _z	-1.61	-0.01	10.72	0.00	0.00	2.25	CO2
			-0.31	0.04	1.78	0.00	0.00	0.33	CO4
			-0.31	0.04	10.72	0.00	0.00	2.25	
			-1.61	-0.01	1.78	0.00	0.00	0.33	
350	ULS DS1	P _x	-0.21	-0.02	3.61	0.00	0.00	-0.16	CO4
			-0.89	-0.02	22.24	0.00	0.00	-0.94	CO2
		P _y	-0.27	-0.01	6.79	0.00	0.00	-0.29	CO1
			-0.85	-0.03	20.33	0.00	0.00	-0.86	CO3
		P _z	-0.89	-0.02	22.24	0.00	0.00	-0.94	CO2
			-0.21	-0.02	3.61	0.00	0.00	-0.16	CO4
		M _x	-0.27	-0.01	6.79	0.00	0.00	-0.29	CO1
			-0.27	-0.01	6.79	0.00	0.00	-0.29	CO1
		M _y	-0.27	-0.01	6.79	0.00	0.00	-0.29	CO1
			-0.27	-0.01	6.79	0.00	0.00	-0.29	CO1
		M _z	-0.21	-0.02	3.61	0.00	0.00	-0.16	CO4
			-0.89	-0.02	22.24	0.00	0.00	-0.94	CO2
353	ULS DS1	P _x	-0.28	0.00	4.68	0.00	0.00	0.03	CO4
			-1.16	0.01	28.48	0.00	0.00	0.21	CO2
		P _y	-1.11	0.01	26.06	0.00	0.00	0.19	CO3
			-0.35	0.00	8.69	0.00	0.00	0.06	CO1
		P _z	-1.16	0.01	28.48	0.00	0.00	0.21	CO2
			-0.28	0.00	4.68	0.00	0.00	0.03	CO4
		M _x	-0.35	0.00	8.69	0.00	0.00	0.06	CO1
			-0.35	0.00	8.69	0.00	0.00	0.06	CO1
		M _y	-0.35	0.00	8.69	0.00	0.00	0.06	CO1
			-0.35	0.00	8.69	0.00	0.00	0.06	CO1
		M _z	-1.16	0.01	28.48	0.00	0.00	0.21	CO2
			-0.28	0.00	4.68	0.00	0.00	0.03	CO4
356	ULS DS1	P _x	-0.27	0.00	4.56	0.00	0.00	-0.01	CO4
			-1.11	0.00	27.59	0.00	0.00	-0.05	CO2
		P _y	-0.34	0.00	8.42	0.00	0.00	-0.02	CO1
			-0.66	0.00	14.13	0.00	0.00	-0.02	CO5
		P _z	-1.11	0.00	27.59	0.00	0.00	-0.05	CO2
			-0.27	0.00	4.56	0.00	0.00	-0.01	CO4
		M _x	-0.34	0.00	8.42	0.00	0.00	-0.02	CO1
			-0.34	0.00	8.42	0.00	0.00	-0.02	CO1
		M _y	-0.34	0.00	8.42	0.00	0.00	-0.02	CO1
			-0.34	0.00	8.42	0.00	0.00	-0.02	CO1
		M _z	-0.27	0.00	4.56	0.00	0.00	-0.01	CO4
			-1.11	0.00	27.59	0.00	0.00	-0.05	CO2
359	ULS DS1	P _x	-0.28	0.00	4.58	0.00	0.00	0.00	CO4
			-1.12	0.00	27.75	0.00	0.00	0.02	CO2
		P _y	-0.28	0.00	4.58	0.00	0.00	0.00	CO4
			-1.12	0.00	27.75	0.00	0.00	0.02	CO2
		P _z	-1.12	0.00	27.75	0.00	0.00	0.02	CO2
			-0.28	0.00	4.58	0.00	0.00	0.00	CO4
		M _x	-0.34	0.00	8.47	0.00	0.00	0.01	CO1
			-0.34	0.00	8.47	0.00	0.00	0.01	CO1
		M _y	-0.34	0.00	8.47	0.00	0.00	0.01	CO1
			-0.34	0.00	8.47	0.00	0.00	0.01	CO1
		M _z	-1.12	0.00	27.75	0.00	0.00	0.02	CO2
			-0.28	0.00	4.58	0.00	0.00	0.00	CO4
362	ULS DS1	P _x	-0.28	0.00	4.59	0.00	0.00	0.00	CO4
			-1.12	0.00	27.87	0.00	0.00	-0.04	CO2
		P _y	-1.12	0.00	27.87	0.00	0.00	-0.04	CO2
			-0.28	0.00	4.59	0.00	0.00	0.00	CO4
		P _z	-1.12	0.00	27.87	0.00	0.00	-0.04	CO2
			-0.28	0.00	4.59	0.00	0.00	0.00	CO4
		M _x	-0.34	0.00	8.51	0.00	0.00	-0.01	CO1
			-0.34	0.00	8.51	0.00	0.00	-0.01	CO1
		M _y	-0.34	0.00	8.51	0.00	0.00	-0.01	CO1
			-0.34	0.00	8.51	0.00	0.00	-0.01	CO1
		M _z	-0.28	0.00	4.59	0.00	0.00	0.00	CO4
			-1.12	0.00	27.87	0.00	0.00	-0.04	CO2



Model:

VDC Kranj - statična preverba
strehe

Project:

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strehe

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 362			-0.28 -1.12	0.00 0.00	27.87 4.59	0.00 0.00	0.00 0.00	0.00 -0.04	
365	UIS DS1	P _x	-0.27 -1.08	0.00 0.00	4.52 27.17	0.00 0.00	0.00 0.00	0.02 0.17	CO4 CO2
			-0.65 -0.33	0.00 0.00	13.95 8.30	0.00 0.00	0.00 0.00	0.08 0.05	CO5 CO1
		P _z	-1.08 -0.27	0.00 0.00	27.17 4.52	0.00 0.00	0.00 0.00	0.17 0.02	CO2 CO4
			-0.33 -0.33	0.00 0.00	8.30 8.30	0.00 0.00	0.00 0.00	0.05 0.05	CO1 CO1
		M _y	-0.33 -0.33	0.00 0.00	8.30 8.30	0.00 0.00	0.00 0.00	0.05 0.05	CO1 CO1
			-0.33 -1.08	0.00 0.00	8.30 27.17	0.00 0.00	0.00 0.00	0.05 0.17	CO1 CO2
		M _z	-0.27 -0.27	0.00 0.00	4.52 27.17	0.00 0.00	0.00 0.00	0.02 0.17	CO4 CO2
			-1.08 -1.08	0.00 0.00	27.17 4.52	0.00 0.00	0.00 0.00	0.17 0.02	CO2 CO4
Extremes 365									
368	UIS DS1	P _x	-0.30 -1.26	-0.01 -0.02	4.89 30.28	0.00 0.00	0.00 0.00	-0.09 -0.74	CO4 CO2
			-0.38 -1.20	0.00 -0.02	9.23 27.66	0.00 0.00	0.00 0.00	-0.22 -0.65	CO1 CO3
		P _z	-1.26 -0.30	-0.02 -0.01	30.28 4.89	0.00 0.00	0.00 0.00	-0.74 -0.09	CO2 CO4
			-0.38 -0.38	0.00 0.00	9.23 9.23	0.00 0.00	0.00 0.00	-0.22 -0.22	CO1 CO1
		M _y	-0.38 -0.38	0.00 0.00	9.23 9.23	0.00 0.00	0.00 0.00	-0.22 -0.22	CO1 CO1
			-0.38 -0.30	0.00 -0.01	9.23 4.89	0.00 0.00	0.00 0.00	-0.22 -0.09	CO1 CO4
		M _z	-0.30 -1.26	-0.01 -0.02	4.89 30.28	0.00 0.00	0.00 0.00	-0.09 -0.74	CO4 CO2
			-0.30 -1.26	0.00 -0.02	30.28 4.89	0.00 0.00	0.00 0.00	-0.09 -0.74	CO4 CO2
Extremes 368									
372	UIS DS1	P _x	0.00 -0.02	0.00 0.00	0.22 0.42	0.00 0.00	0.00 0.00	0.03 0.05	CO1 CO5
			-0.02 -0.01	0.00 0.00	0.24 0.57	0.00 0.00	0.00 0.00	0.01 0.11	CO4 CO2
		P _z	-0.02 0.00	0.00 0.00	0.59 0.22	0.00 0.00	0.00 0.00	0.10 0.03	CO3 CO1
			0.00 0.00	0.00 0.00	0.22 0.22	0.00 0.00	0.00 0.00	0.03 0.03	CO1 CO1
		M _y	0.00 0.00	0.00 0.00	0.22 0.22	0.00 0.00	0.00 0.00	0.03 0.03	CO1 CO1
			0.00 -0.01	0.00 0.00	0.22 0.57	0.00 0.00	0.00 0.00	0.03 0.11	CO1 CO2
		M _z	-0.01 -0.02	0.00 0.00	0.57 0.24	0.00 0.00	0.00 0.00	0.11 0.01	CO2 CO4
			0.00 -0.02	0.00 0.00	0.59 0.22	0.00 0.00	0.00 0.00	0.11 0.01	CO2 CO4
Extremes 372									
373	UIS DS1	P _x	1.61 0.31	-0.03 0.04	10.72 1.78	0.00 0.00	0.00 0.00	-2.23 -0.33	CO2 CO4
			0.31 1.61	0.04 -0.03	1.78 10.72	0.00 0.00	0.00 0.00	-0.33 -2.23	CO4 CO2
		P _z	1.61 0.31	-0.03 0.04	10.72 1.78	0.00 0.00	0.00 0.00	-2.23 -0.33	CO2 CO4
			0.31 0.49	0.04 -0.01	1.78 3.30	0.00 0.00	0.00 0.00	-0.33 -0.68	CO4 CO1
		M _y	0.49 0.49	-0.01 -0.01	3.30 3.30	0.00 0.00	0.00 0.00	-0.68 -0.68	CO1 CO1
			0.49 0.31	-0.01 0.04	3.30 1.78	0.00 0.00	0.00 0.00	-0.68 -0.33	CO1 CO4
		M _z	0.31 1.61	0.04 -0.03	1.78 10.72	0.00 0.00	0.00 0.00	-0.33 -2.23	CO4 CO2
			0.31 0.31	-0.03 -0.03	10.72 1.78	0.00 0.00	0.00 0.00	-2.23 -0.33	CO2 CO4
Extremes 373									
374	UIS DS1	P _x	0.89 0.21	0.00 -0.01	22.23 3.61	0.00 0.00	0.00 0.00	0.93 0.16	CO2 CO4
			0.21 0.89	0.00 -0.01	3.61 22.23	0.00 0.00	0.00 0.00	0.16 0.93	CO4 CO2
		P _z	0.89 0.21	0.00 -0.01	22.23 3.61	0.00 0.00	0.00 0.00	0.93 0.16	CO2 CO4
			0.21 0.27	0.00 0.00	3.61 6.78	0.00 0.00	0.00 0.00	0.16 0.28	CO4 CO1
		M _y	0.27 0.27	0.00 0.00	6.78 6.78	0.00 0.00	0.00 0.00	0.28 0.28	CO1 CO1
			0.27 0.27	0.00 0.00	6.78 6.78	0.00 0.00	0.00 0.00	0.28 0.28	CO1 CO1
		M _z	0.27 0.89	0.00 0.00	6.78 22.23	0.00 0.00	0.00 0.00	0.28 0.93	CO1 CO2
			0.89 0.21	0.00 -0.01	22.23 3.61	0.00 0.00	0.00 0.00	0.93 0.16	CO2 CO4
Extremes 374									

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
377	ULS DS1	P_x	1.16	-0.14	28.48	0.00	0.00	-0.12	CO2
			0.28	-0.02	4.68	0.00	0.00	-0.01	CO4
		P_y	0.28	-0.02	4.68	0.00	0.00	-0.01	CO4
			1.16	-0.14	28.48	0.00	0.00	-0.12	CO2
		P_z	1.16	-0.14	28.48	0.00	0.00	-0.12	CO2
			0.28	-0.02	4.68	0.00	0.00	-0.01	CO4
		M_k	0.35	-0.04	8.69	0.00	0.00	-0.04	CO1
			0.35	-0.04	8.69	0.00	0.00	-0.04	CO1
		M_y	0.35	-0.04	8.69	0.00	0.00	-0.04	CO1
			0.35	-0.04	8.69	0.00	0.00	-0.04	CO1
		M_z	0.28	-0.02	4.68	0.00	0.00	-0.01	CO4
			1.16	-0.14	28.48	0.00	0.00	-0.12	CO2
		Extremes 377	1.16	-0.02	28.48	0.00	0.00	-0.01	
			0.28	-0.14	4.68	0.00	0.00	-0.12	
380	ULS DS1	P_x	1.10	0.05	27.59	0.00	0.00	0.04	CO2
			0.27	0.01	4.56	0.00	0.00	0.00	CO4
		P_y	1.10	0.05	27.59	0.00	0.00	0.04	CO2
			0.27	0.01	4.56	0.00	0.00	0.00	CO4
		P_z	1.10	0.05	27.59	0.00	0.00	0.04	CO2
			0.27	0.01	4.56	0.00	0.00	0.00	CO4
		M_k	0.33	0.01	8.42	0.00	0.00	0.01	CO1
			0.33	0.01	8.42	0.00	0.00	0.01	CO1
		M_y	0.33	0.01	8.42	0.00	0.00	0.01	CO1
			0.33	0.01	8.42	0.00	0.00	0.01	CO1
		M_z	1.10	0.05	27.59	0.00	0.00	0.04	CO2
			0.27	0.01	4.56	0.00	0.00	0.00	CO4
		Extremes 380	1.10	0.05	27.59	0.00	0.00	0.04	
			0.27	0.01	4.56	0.00	0.00	0.00	
383	ULS DS1	P_x	1.12	-0.01	27.75	0.00	0.00	-0.02	CO2
			0.28	0.00	4.58	0.00	0.00	0.00	CO4
		P_y	0.28	0.00	4.58	0.00	0.00	0.00	CO4
			1.12	-0.01	27.75	0.00	0.00	-0.02	CO2
		P_z	1.12	-0.01	27.75	0.00	0.00	-0.02	CO2
			0.28	0.00	4.58	0.00	0.00	0.00	CO4
		M_k	0.34	0.00	8.47	0.00	0.00	-0.01	CO1
			0.34	0.00	8.47	0.00	0.00	-0.01	CO1
		M_y	0.34	0.00	8.47	0.00	0.00	-0.01	CO1
			0.34	0.00	8.47	0.00	0.00	-0.01	CO1
		M_z	0.28	0.00	4.58	0.00	0.00	0.00	CO4
			1.12	-0.01	27.75	0.00	0.00	-0.02	CO2
		Extremes 383	1.12	0.00	27.75	0.00	0.00	0.00	
			0.28	-0.01	4.58	0.00	0.00	-0.02	
386	ULS DS1	P_x	1.13	0.01	27.87	0.00	0.00	0.04	CO2
			0.28	0.00	4.59	0.00	0.00	0.00	CO4
		P_y	1.13	0.01	27.87	0.00	0.00	0.04	CO2
			0.28	0.00	4.59	0.00	0.00	0.00	CO4
		P_z	1.13	0.01	27.87	0.00	0.00	0.04	CO2
			0.28	0.00	4.59	0.00	0.00	0.00	CO4
		M_k	0.34	0.00	8.51	0.00	0.00	0.01	CO1
			0.34	0.00	8.51	0.00	0.00	0.01	CO1
		M_y	0.34	0.00	8.51	0.00	0.00	0.01	CO1
			0.34	0.00	8.51	0.00	0.00	0.01	CO1
		M_z	1.13	0.01	27.87	0.00	0.00	0.04	CO2
			0.28	0.00	4.59	0.00	0.00	0.00	CO4
		Extremes 386	1.13	0.01	27.87	0.00	0.00	0.04	
			0.28	0.00	4.59	0.00	0.00	0.00	
389	ULS DS1	P_x	1.08	-0.01	27.17	0.00	0.00	-0.17	CO2
			0.27	0.00	4.52	0.00	0.00	-0.02	CO4
		P_y	0.27	0.00	4.52	0.00	0.00	-0.02	CO4
			1.08	-0.01	27.17	0.00	0.00	-0.17	CO2
		P_z	1.08	-0.01	27.17	0.00	0.00	-0.17	CO2
			0.27	0.00	4.52	0.00	0.00	-0.02	CO4
		M_k	0.33	0.00	8.30	0.00	0.00	-0.05	CO1
			0.33	0.00	8.30	0.00	0.00	-0.05	CO1
		M_y	0.33	0.00	8.30	0.00	0.00	-0.05	CO1
			0.33	0.00	8.30	0.00	0.00	-0.05	CO1
		M_z	0.27	0.00	4.52	0.00	0.00	-0.02	CO4
			1.08	-0.01	27.17	0.00	0.00	-0.17	CO2
		Extremes 389	1.08	0.00	27.17	0.00	0.00	-0.02	
			0.27	-0.01	4.52	0.00	0.00	-0.17	
392	ULS DS1	P_x	1.26	0.00	30.28	0.00	0.00	0.73	CO2
			0.30	-0.01	4.89	0.00	0.00	0.09	CO4

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
392		P_y	0.38	0.00	9.23	0.00	0.00	0.22	CO1
			0.30	-0.01	4.89	0.00	0.00	0.09	CO4
		P_z	1.26	0.00	30.28	0.00	0.00	0.73	CO2
			0.30	-0.01	4.89	0.00	0.00	0.09	CO4
		M_k	0.38	0.00	9.23	0.00	0.00	0.22	CO1
			0.38	0.00	9.23	0.00	0.00	0.22	CO1
		M_y	0.38	0.00	9.23	0.00	0.00	0.22	CO1
			0.38	0.00	9.23	0.00	0.00	0.22	CO1
		M_z	1.26	0.00	30.28	0.00	0.00	0.73	CO2
			0.30	-0.01	4.89	0.00	0.00	0.09	CO4
		Extremes 392	1.26	0.00	30.28	0.00	0.00	0.73	
			0.30	-0.01	4.89	0.00	0.00	0.09	
396	ULS DS1	P_x	0.02	0.00	0.43	0.00	0.00	-0.05	CO5
			0.00	0.00	0.22	0.00	0.00	-0.03	CO1
		P_y	0.02	0.00	0.24	0.00	0.00	-0.01	CO4
			0.01	-0.01	0.58	0.00	0.00	-0.11	CO2
		P_z	0.02	0.00	0.60	0.00	0.00	-0.10	CO3
			0.00	0.00	0.22	0.00	0.00	-0.03	CO1
		M_k	0.00	0.00	0.22	0.00	0.00	-0.03	CO1
			0.00	0.00	0.22	0.00	0.00	-0.03	CO1
		M_y	0.00	0.00	0.22	0.00	0.00	-0.03	CO1
			0.00	0.00	0.22	0.00	0.00	-0.03	CO1
		M_z	0.02	0.00	0.24	0.00	0.00	-0.01	CO4
			0.01	-0.01	0.58	0.00	0.00	-0.11	CO2
397	ULS DS1	P_x	-0.02	-0.02	1.72	0.00	0.00	0.26	CO4
			-5.15	-0.25	7.90	0.00	0.00	1.63	CO2
		P_y	-0.02	-0.02	1.72	0.00	0.00	0.26	CO4
			-5.15	-0.25	7.90	0.00	0.00	1.63	CO2
		P_z	-5.15	-0.25	7.90	0.00	0.00	1.63	CO2
			-0.02	-0.02	1.72	0.00	0.00	0.26	CO4
		M_k	-1.55	-0.08	2.48	0.00	0.00	0.50	CO1
			-1.55	-0.08	2.48	0.00	0.00	0.50	CO1
		M_y	-1.55	-0.08	2.48	0.00	0.00	0.50	CO1
			-1.55	-0.08	2.48	0.00	0.00	0.50	CO1
		M_z	-5.15	-0.25	7.90	0.00	0.00	1.63	CO2
			-0.02	-0.02	1.72	0.00	0.00	0.26	CO4
401	ULS DS1	P_x	-0.28	0.02	1.72	0.00	0.00	-0.26	CO4
			-1.60	0.16	9.85	0.00	0.00	-1.58	CO2
		P_y	-1.60	0.16	9.85	0.00	0.00	-1.58	CO2
			-0.28	0.02	1.72	0.00	0.00	-0.26	CO4
		P_z	-1.60	0.16	9.85	0.00	0.00	-1.58	CO2
			-0.28	0.02	1.72	0.00	0.00	-0.26	CO4
		M_k	-0.49	0.05	3.05	0.00	0.00	-0.48	CO1
			-0.49	0.05	3.05	0.00	0.00	-0.48	CO1
		M_y	-0.49	0.05	3.05	0.00	0.00	-0.48	CO1
			-0.49	0.05	3.05	0.00	0.00	-0.48	CO1
		M_z	-0.28	0.02	1.72	0.00	0.00	-0.26	CO4
			-1.60	0.16	9.85	0.00	0.00	-1.58	CO2
404	ULS DS1	P_x	0.66	-0.02	30.36	0.00	0.00	0.43	CO2
			-0.37	0.00	4.82	0.00	0.00	0.06	CO4
		P_y	-0.37	0.00	4.82	0.00	0.00	0.06	CO4
			0.66	-0.02	30.36	0.00	0.00	0.43	CO2
		P_z	0.66	-0.02	30.36	0.00	0.00	0.43	CO2
			-0.37	0.00	4.82	0.00	0.00	0.06	CO4
		M_k	0.20	0.00	9.28	0.00	0.00	0.13	CO1
			0.20	0.00	9.28	0.00	0.00	0.13	CO1
		M_y	0.20	0.00	9.28	0.00	0.00	0.13	CO1
			0.20	0.00	9.28	0.00	0.00	0.13	CO1
		M_z	0.66	-0.02	30.36	0.00	0.00	0.43	CO2
			-0.37	0.00	4.82	0.00	0.00	0.06	CO4
407	ULS DS1	P_x	0.28	0.01	27.80	0.00	0.00	-0.06	CO2
			-0.32	0.00	4.50	0.00	0.00	-0.01	CO4
		P_y	0.28	0.01	27.80	0.00	0.00	-0.06	CO2
			-0.32	0.00	4.50	0.00	0.00	-0.01	CO4

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
407		P _z	0.28	0.01	27.80	0.00	0.00	-0.06	CO2
			-0.32	0.00	4.50	0.00	0.00	-0.01	CO4
			0.09	0.00	8.50	0.00	0.00	-0.02	CO1
		M _x	0.09	0.00	8.50	0.00	0.00	-0.02	CO1
			0.09	0.00	8.50	0.00	0.00	-0.02	CO1
			0.09	0.00	8.50	0.00	0.00	-0.02	CO1
		M _y	-0.32	0.00	4.50	0.00	0.00	-0.01	CO4
			0.28	0.01	27.80	0.00	0.00	-0.06	CO2
			0.28	0.01	27.80	0.00	0.00	-0.01	CO2
		M _z	-0.32	0.00	4.50	0.00	0.00	-0.06	CO4
			0.28	0.01	27.80	0.00	0.00	-0.06	CO2
			-0.32	0.00	4.50	0.00	0.00	-0.06	CO4
Extremes 407									
410	UIS DS1	P _x	1.15	-0.02	28.49	0.00	0.00	0.04	CO2
			-0.37	0.00	4.55	0.00	0.00	0.00	CO4
			-0.37	0.00	4.55	0.00	0.00	0.00	CO4
		P _y	1.15	-0.02	28.49	0.00	0.00	0.04	CO2
			-0.37	0.00	4.55	0.00	0.00	0.00	CO4
			-0.37	0.00	4.55	0.00	0.00	0.00	CO4
		P _z	1.15	-0.02	28.49	0.00	0.00	0.04	CO2
			-0.37	0.00	4.55	0.00	0.00	0.00	CO4
			-0.37	0.00	4.55	0.00	0.00	0.00	CO4
		M _x	0.35	0.00	8.71	0.00	0.00	0.01	CO1
			0.35	0.00	8.71	0.00	0.00	0.01	CO1
			0.35	0.00	8.71	0.00	0.00	0.01	CO1
M _y	0.35	0.00	8.71	0.00	0.00	0.01	CO1		
	0.35	0.00	8.71	0.00	0.00	0.01	CO1		
	0.35	0.00	8.71	0.00	0.00	0.01	CO1		
M _z	1.15	-0.02	28.49	0.00	0.00	0.04	CO2		
	-0.37	0.00	4.55	0.00	0.00	0.00	CO4		
	1.15	0.00	28.49	0.00	0.00	0.04	CO2		
Extremes 410									
413	UIS DS1	P _x	-0.18	0.00	4.51	0.00	0.00	0.01	CO4
			-2.20	0.06	27.03	0.00	0.00	0.04	CO2
			-2.20	0.06	27.03	0.00	0.00	0.04	CO2
		P _y	-0.18	0.00	4.51	0.00	0.00	0.01	CO4
			-2.20	0.06	27.03	0.00	0.00	0.04	CO2
			-2.20	0.06	27.03	0.00	0.00	0.04	CO2
		P _z	-0.18	0.00	4.51	0.00	0.00	0.01	CO4
			-2.20	0.06	27.03	0.00	0.00	0.04	CO2
			-2.20	0.06	27.03	0.00	0.00	0.04	CO2
		M _x	-0.67	0.02	8.26	0.00	0.00	0.01	CO1
			-0.67	0.02	8.26	0.00	0.00	0.01	CO1
			-0.67	0.02	8.26	0.00	0.00	0.01	CO1
M _y	-0.67	0.02	8.26	0.00	0.00	0.01	CO1		
	-0.67	0.02	8.26	0.00	0.00	0.01	CO1		
	-0.67	0.02	8.26	0.00	0.00	0.01	CO1		
M _z	-2.20	0.06	27.03	0.00	0.00	0.04	CO2		
	-0.18	0.00	4.51	0.00	0.00	0.01	CO4		
	-0.18	0.06	27.03	0.00	0.00	0.04	CO2		
Extremes 413									
416	UIS DS1	P _x	0.15	-0.01	36.17	0.00	0.00	-0.42	CO2
			-0.37	0.00	4.94	0.00	0.00	-0.06	CO4
			-0.37	0.00	4.94	0.00	0.00	-0.06	CO4
		P _y	0.15	-0.01	36.17	0.00	0.00	-0.42	CO2
			-0.37	0.00	4.94	0.00	0.00	-0.06	CO4
			-0.37	0.00	4.94	0.00	0.00	-0.06	CO4
		P _z	0.15	-0.01	36.17	0.00	0.00	-0.42	CO2
			-0.37	0.00	4.94	0.00	0.00	-0.06	CO4
			-0.37	0.00	4.94	0.00	0.00	-0.06	CO4
		M _x	0.05	0.00	11.06	0.00	0.00	-0.13	CO1
			0.05	0.00	11.06	0.00	0.00	-0.13	CO1
			0.05	0.00	11.06	0.00	0.00	-0.13	CO1
M _y	0.05	0.00	11.06	0.00	0.00	-0.13	CO1		
	0.05	0.00	11.06	0.00	0.00	-0.13	CO1		
	0.05	0.00	11.06	0.00	0.00	-0.13	CO1		
M _z	-0.37	0.00	4.94	0.00	0.00	-0.06	CO4		
	0.15	-0.01	36.17	0.00	0.00	-0.42	CO2		
	0.15	0.00	36.17	0.00	0.00	-0.06	CO2		
Extremes 416									
Total max/min values with corresponding values									
109	UIS DS1	P _x	8.93	-0.05	11.49	0.00	0.00	0.12	CO2
112			-15.37	-0.04	11.43	0.00	0.00	-0.11	CO2
192			-2.16	0.36	15.24	0.00	0.00	2.40	CO2
114		P _y	0.00	-0.88	3.81	0.00	0.00	0.55	CO2
162			-2.79	-0.20	48.92	0.00	0.00	-3.15	CO2
162			0.26	0.01	-4.22	0.00	0.00	0.25	CO4
1		M _x	0.00	-0.08	3.86	0.00	0.00	0.05	CO1
1			0.00	-0.08	3.86	0.00	0.00	0.05	CO1
1			0.00	-0.08	3.86	0.00	0.00	0.05	CO1
1		M _y	0.00	-0.08	3.86	0.00	0.00	0.05	CO1
1			0.00	-0.08	3.86	0.00	0.00	0.05	CO1
166			-1.87	0.29	34.78	0.00	0.00	6.17	CO2
162	-2.79	-0.20	48.92	0.00	0.00	-3.15	CO2		
1	SCh DS2	P _x	0.00	-0.01	0.42	0.00	0.00	0.01	CO9
			0.00	-0.06	2.66	0.00	0.00	0.03	CO7
			0.00	-0.01	0.42	0.00	0.00	0.01	CO9
		P _y	0.00	-0.06	2.66	0.00	0.00	0.03	CO7
			0.00	-0.06	2.66	0.00	0.00	0.03	CO7
			0.00	-0.06	2.66	0.00	0.00	0.03	CO7
		P _z	0.00	-0.01	0.42	0.00	0.00	0.01	CO9
			0.00	-0.01	0.42	0.00	0.00	0.01	CO9
			0.00	-0.01	0.42	0.00	0.00	0.01	CO9
		M _x	0.00	-0.02	0.88	0.00	0.00	0.01	CO6
			0.00	-0.02	0.88	0.00	0.00	0.01	CO6
			0.00	-0.02	0.88	0.00	0.00	0.01	CO6

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
1		M _x	0.00	-0.02	0.88	0.00	0.00	0.01	CO6
		M _y	0.00	-0.02	0.88	0.00	0.00	0.01	CO6
			0.00	-0.02	0.88	0.00	0.00	0.01	CO6
		M _z	0.00	-0.06	2.66	0.00	0.00	0.03	CO7
			0.00	-0.01	0.42	0.00	0.00	0.01	CO9
			0.00	-0.01	2.66	0.00	0.00	0.03	
			0.00	-0.06	0.42	0.00	0.00	0.01	
Extremes 1									
6	S Ch DS2	P _x	-0.01	-0.01	0.21	0.00	0.00	-0.01	CO9
			-0.03	-0.04	1.33	0.00	0.00	-0.03	CO7
		P _y	-0.01	-0.01	0.21	0.00	0.00	-0.01	CO9
			-0.03	-0.04	1.33	0.00	0.00	-0.03	CO7
		P _z	-0.03	-0.04	1.33	0.00	0.00	-0.03	CO7
			-0.01	-0.01	0.21	0.00	0.00	-0.01	CO9
		M _x	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO6
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO6
		M _y	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO6
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO6
		M _z	-0.01	-0.01	0.21	0.00	0.00	-0.01	CO9
			-0.03	-0.04	1.33	0.00	0.00	-0.03	CO7
			-0.01	-0.01	1.33	0.00	0.00	-0.01	
			-0.03	-0.04	0.21	0.00	0.00	-0.03	
Extremes 6									
9	S Ch DS2	P _x	0.00	0.03	0.78	0.00	0.00	-0.02	CO9
			0.00	0.18	5.19	0.00	0.00	-0.11	CO7
		P _y	0.00	0.18	5.19	0.00	0.00	-0.11	CO7
			0.00	0.03	0.78	0.00	0.00	-0.02	CO9
		P _z	0.00	0.18	5.19	0.00	0.00	-0.11	CO7
			0.00	0.03	0.78	0.00	0.00	-0.02	CO9
		M _x	0.00	0.06	1.67	0.00	0.00	-0.04	CO6
			0.00	0.06	1.67	0.00	0.00	-0.04	CO6
		M _y	0.00	0.06	1.67	0.00	0.00	-0.04	CO6
			0.00	0.06	1.67	0.00	0.00	-0.04	CO6
		M _z	0.00	0.03	0.78	0.00	0.00	-0.02	CO9
			0.00	0.18	5.19	0.00	0.00	-0.11	CO7
			0.00	0.18	5.19	0.00	0.00	-0.02	
			0.00	0.03	0.78	0.00	0.00	-0.11	
Extremes 9									
12	S Ch DS2	P _x	-0.01	0.02	0.39	0.00	0.00	0.02	CO9
			-0.05	0.13	2.60	0.00	0.00	0.10	CO7
		P _y	-0.05	0.13	2.60	0.00	0.00	0.10	CO7
			-0.01	0.02	0.39	0.00	0.00	0.02	CO9
		P _z	-0.05	0.13	2.60	0.00	0.00	0.10	CO7
			-0.01	0.02	0.39	0.00	0.00	0.02	CO9
		M _x	-0.02	0.04	0.84	0.00	0.00	0.03	CO6
			-0.02	0.04	0.84	0.00	0.00	0.03	CO6
		M _y	-0.02	0.04	0.84	0.00	0.00	0.03	CO6
			-0.02	0.04	0.84	0.00	0.00	0.03	CO6
		M _z	-0.05	0.13	2.60	0.00	0.00	0.10	CO7
			-0.01	0.02	0.39	0.00	0.00	0.02	CO9
			-0.01	0.13	2.60	0.00	0.00	0.10	
			-0.05	0.02	0.39	0.00	0.00	0.02	
Extremes 12									
14	S Ch DS2	P _x	4.76	0.06	7.01	0.00	0.00	-0.08	CO7
			-0.25	0.01	0.98	0.00	0.00	-0.01	CO9
		P _y	4.76	0.06	7.01	0.00	0.00	-0.08	CO7
			-0.25	0.01	0.98	0.00	0.00	-0.01	CO9
		P _z	4.76	0.06	7.01	0.00	0.00	-0.08	CO7
			-0.25	0.01	0.98	0.00	0.00	-0.01	CO9
		M _x	1.55	0.02	2.27	0.00	0.00	-0.03	CO6
			1.55	0.02	2.27	0.00	0.00	-0.03	CO6
		M _y	1.55	0.02	2.27	0.00	0.00	-0.03	CO6
			1.55	0.02	2.27	0.00	0.00	-0.03	CO6
		M _z	-0.25	0.01	0.98	0.00	0.00	-0.01	CO9
			4.76	0.06	7.01	0.00	0.00	-0.08	CO7
			4.76	0.06	7.01	0.00	0.00	-0.01	
			-0.25	0.01	0.98	0.00	0.00	-0.08	
Extremes 14									
17	S Ch DS2	P _x	0.11	0.01	0.48	0.00	0.00	0.01	CO9
			-7.47	0.06	3.75	0.00	0.00	0.07	CO7
		P _y	-7.47	0.06	3.75	0.00	0.00	0.07	CO7
			0.11	0.01	0.48	0.00	0.00	0.01	CO9
		P _z	-7.47	0.06	3.75	0.00	0.00	0.07	CO7
			0.11	0.01	0.48	0.00	0.00	0.01	CO9
		M _x	-2.45	0.02	1.21	0.00	0.00	0.02	CO6
			-2.45	0.02	1.21	0.00	0.00	0.02	CO6
Extremes 17									
		M _y	-2.45	0.02	1.21	0.00	0.00	0.02	CO6
			-2.45	0.02	1.21	0.00	0.00	0.02	CO6

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
17		M _y	-2.45	0.02	1.21	0.00	0.00	0.02	CO6
		M _z	-7.47	0.06	3.75	0.00	0.00	0.07	CO7
			0.11	0.01	0.48	0.00	0.00	0.01	CO9
			0.11	0.06	3.75	0.00	0.00	0.07	
			-7.47	0.01	0.48	0.00	0.00	0.01	
19	S Ch DS2	P _x	4.60	-0.09	6.75	0.00	0.00	0.10	CO7
			-0.22	-0.01	0.95	0.00	0.00	0.02	CO9
		P _y	-0.22	-0.01	0.95	0.00	0.00	0.02	CO9
			4.60	-0.09	6.75	0.00	0.00	0.10	CO7
		P _z	4.60	-0.09	6.75	0.00	0.00	0.10	CO7
			-0.22	-0.01	0.95	0.00	0.00	0.02	CO9
		M _x	1.50	-0.03	2.18	0.00	0.00	0.03	CO6
			1.50	-0.03	2.18	0.00	0.00	0.03	CO6
		M _y	1.50	-0.03	2.18	0.00	0.00	0.03	CO6
			1.50	-0.03	2.18	0.00	0.00	0.03	CO6
		M _z	4.60	-0.09	6.75	0.00	0.00	0.10	CO7
			-0.22	-0.01	0.95	0.00	0.00	0.02	CO9
			4.60	-0.01	6.75	0.00	0.00	0.10	
			-0.22	-0.09	0.95	0.00	0.00	0.02	
22	S Ch DS2	P _x	0.14	-0.01	0.46	0.00	0.00	-0.02	CO9
			-6.53	-0.08	3.62	0.00	0.00	-0.09	CO7
		P _y	0.14	-0.01	0.46	0.00	0.00	-0.02	CO9
			-6.53	-0.08	3.62	0.00	0.00	-0.09	CO7
		P _z	-6.53	-0.08	3.62	0.00	0.00	-0.09	CO7
			0.14	-0.01	0.46	0.00	0.00	-0.02	CO9
		M _x	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO6
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO6
		M _y	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO6
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO6
		M _z	0.14	-0.01	0.46	0.00	0.00	-0.02	CO9
			-6.53	-0.08	3.62	0.00	0.00	-0.09	CO7
			0.14	-0.01	3.62	0.00	0.00	-0.02	
			-6.53	-0.08	0.46	0.00	0.00	-0.09	
24	S Ch DS2	P _x	0.00	-0.01	0.77	0.00	0.00	0.00	CO9
			0.00	-0.04	5.19	0.00	0.00	0.02	CO7
		P _y	0.00	-0.01	0.77	0.00	0.00	0.00	CO9
			0.00	-0.04	5.19	0.00	0.00	0.02	CO7
		P _z	0.00	-0.04	5.19	0.00	0.00	0.02	CO7
			0.00	-0.01	0.77	0.00	0.00	0.00	CO9
		M _x	0.00	-0.01	1.67	0.00	0.00	0.01	CO6
			0.00	-0.01	1.67	0.00	0.00	0.01	CO6
		M _y	0.00	-0.01	1.67	0.00	0.00	0.01	CO6
			0.00	-0.01	1.67	0.00	0.00	0.01	CO6
		M _z	0.00	-0.04	5.19	0.00	0.00	0.02	CO7
			0.00	-0.01	0.77	0.00	0.00	0.00	CO9
			0.00	-0.01	5.19	0.00	0.00	0.02	
			0.00	-0.04	0.77	0.00	0.00	0.00	
27	S Ch DS2	P _x	-0.01	0.04	0.60	0.00	0.00	0.02	CO9
			-0.03	0.18	3.92	0.00	0.00	0.08	CO7
		P _y	-0.03	0.18	3.92	0.00	0.00	0.08	CO7
			-0.01	0.04	0.60	0.00	0.00	0.02	CO9
		P _z	-0.03	0.18	3.92	0.00	0.00	0.08	CO7
			-0.01	0.04	0.60	0.00	0.00	0.02	CO9
		M _x	-0.01	0.06	1.27	0.00	0.00	0.03	CO6
			-0.01	0.06	1.27	0.00	0.00	0.03	CO6
		M _y	-0.01	0.06	1.27	0.00	0.00	0.03	CO6
			-0.01	0.06	1.27	0.00	0.00	0.03	CO6
		M _z	-0.03	0.18	3.92	0.00	0.00	0.08	CO7
			-0.01	0.04	0.60	0.00	0.00	0.02	CO9
			-0.01	0.18	3.92	0.00	0.00	0.08	
			-0.03	0.04	0.60	0.00	0.00	0.02	
29	S Ch DS2	P _x	3.92	0.07	6.45	0.00	0.00	-0.08	CO7
			-0.15	0.01	0.92	0.00	0.00	-0.01	CO9
		P _y	3.92	0.07	6.45	0.00	0.00	-0.08	CO7
			-0.15	0.01	0.92	0.00	0.00	-0.01	CO9
		P _z	3.92	0.07	6.45	0.00	0.00	-0.08	CO7
			-0.15	0.01	0.92	0.00	0.00	-0.01	CO9
		M _x	1.28	0.02	2.08	0.00	0.00	-0.03	CO6
			1.28	0.02	2.08	0.00	0.00	-0.03	CO6
		M _y	1.28	0.02	2.08	0.00	0.00	-0.03	CO6
			1.28	0.02	2.08	0.00	0.00	-0.03	CO6
		M _z	1.28	0.02	2.08	0.00	0.00	-0.03	CO6
			-0.15	0.01	0.92	0.00	0.00	-0.01	CO9
			-0.15	0.01	0.92	0.00	0.00	-0.01	
			-0.15	0.01	0.92	0.00	0.00	-0.01	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
29		M _z	3.92	0.07	6.45	0.00	0.00	-0.08	CO7
Extremes			3.92	0.07	6.45	0.00	0.00	-0.01	
29			-0.15	0.01	0.92	0.00	0.00	-0.08	
32	S Ch DS2	P _x	0.20	0.01	1.03	0.00	0.00	0.01	CO9
			-4.65	0.05	7.01	0.00	0.00	0.08	CO7
		P _y	-4.65	0.05	7.01	0.00	0.00	0.08	CO7
			0.20	0.01	1.03	0.00	0.00	0.01	CO9
		P _z	-4.65	0.05	7.01	0.00	0.00	0.08	CO7
			0.20	0.01	1.03	0.00	0.00	0.01	CO9
		M _k	-1.52	0.02	2.27	0.00	0.00	0.03	CO6
			-1.52	0.02	2.27	0.00	0.00	0.03	CO6
		M _y	-1.52	0.02	2.27	0.00	0.00	0.03	CO6
			-1.52	0.02	2.27	0.00	0.00	0.03	CO6
		M _z	-4.65	0.05	7.01	0.00	0.00	0.08	CO7
			0.20	0.01	1.03	0.00	0.00	0.01	CO9
Extremes			0.20	0.05	7.01	0.00	0.00	0.08	
32			-4.65	0.01	1.03	0.00	0.00	0.01	
34	S Ch DS2	P _x	3.94	-0.07	6.51	0.00	0.00	0.08	CO7
			-0.15	-0.01	0.93	0.00	0.00	0.01	CO9
		P _y	-0.15	-0.01	0.93	0.00	0.00	0.01	CO9
			3.94	-0.07	6.51	0.00	0.00	0.08	CO7
		P _z	3.94	-0.07	6.51	0.00	0.00	0.08	CO7
			-0.15	-0.01	0.93	0.00	0.00	0.01	CO9
		M _k	1.28	-0.02	2.10	0.00	0.00	0.02	CO6
			1.28	-0.02	2.10	0.00	0.00	0.02	CO6
		M _y	1.28	-0.02	2.10	0.00	0.00	0.02	CO6
			1.28	-0.02	2.10	0.00	0.00	0.02	CO6
		M _z	3.94	-0.07	6.51	0.00	0.00	0.08	CO7
			-0.15	-0.01	0.93	0.00	0.00	0.01	CO9
Extremes			3.94	-0.01	6.51	0.00	0.00	0.08	
34			-0.15	-0.07	0.93	0.00	0.00	0.01	
37	S Ch DS2	P _x	0.14	-0.01	0.97	0.00	0.00	-0.02	CO9
			-3.33	-0.08	6.76	0.00	0.00	-0.10	CO7
		P _y	0.14	-0.01	0.97	0.00	0.00	-0.02	CO9
			-3.33	-0.08	6.76	0.00	0.00	-0.10	CO7
		P _z	-3.33	-0.08	6.76	0.00	0.00	-0.10	CO7
			0.14	-0.01	0.97	0.00	0.00	-0.02	CO9
		M _k	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO6
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO6
		M _y	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO6
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO6
		M _z	0.14	-0.01	0.97	0.00	0.00	-0.02	CO9
			-3.33	-0.08	6.76	0.00	0.00	-0.10	CO7
Extremes			0.14	-0.01	6.76	0.00	0.00	-0.02	
37			-3.33	-0.08	0.97	0.00	0.00	-0.10	
39	S Ch DS2	P _x	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	0.01	5.19	0.00	0.00	-0.01	CO7
		P _y	0.00	0.01	5.19	0.00	0.00	-0.01	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		P _z	0.00	0.01	5.19	0.00	0.00	-0.01	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		M _k	0.00	0.00	1.67	0.00	0.00	0.00	CO6
			0.00	0.00	1.67	0.00	0.00	0.00	CO6
		M _y	0.00	0.00	1.67	0.00	0.00	0.00	CO6
			0.00	0.00	1.67	0.00	0.00	0.00	CO6
		M _z	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	0.01	5.19	0.00	0.00	-0.01	CO7
Extremes			0.00	0.01	5.19	0.00	0.00	0.00	
39			0.00	0.00	0.77	0.00	0.00	-0.01	
42	S Ch DS2	P _x	0.03	-0.03	4.96	0.00	0.00	-0.01	CO7
			0.00	-0.01	0.76	0.00	0.00	0.00	CO9
		P _y	0.00	-0.01	0.76	0.00	0.00	0.00	CO9
			0.03	-0.03	4.96	0.00	0.00	-0.01	CO7
		P _z	0.03	-0.03	4.96	0.00	0.00	-0.01	CO7
			0.00	-0.01	0.76	0.00	0.00	0.00	CO9
		M _k	0.01	-0.01	1.59	0.00	0.00	0.00	CO6
			0.01	-0.01	1.59	0.00	0.00	0.00	CO6
		M _y	0.01	-0.01	1.59	0.00	0.00	0.00	CO6
			0.01	-0.01	1.59	0.00	0.00	0.00	CO6
		M _z	0.00	-0.01	0.76	0.00	0.00	0.00	CO9
			0.03	-0.03	4.96	0.00	0.00	-0.01	CO7
Extremes			0.03	-0.01	4.96	0.00	0.00	0.00	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
42			0.00	-0.03	0.76	0.00	0.00	-0.01	
44	S Ch DS2	P _x	4.08	0.07	6.57	0.00	0.00	-0.08	CO7
			-0.17	0.01	0.93	0.00	0.00	-0.01	CO9
		P _y	4.08	0.07	6.57	0.00	0.00	-0.08	CO7
			-0.17	0.01	0.93	0.00	0.00	-0.01	CO9
		P _z	4.08	0.07	6.57	0.00	0.00	-0.08	CO7
			-0.17	0.01	0.93	0.00	0.00	-0.01	CO9
		M _k	1.33	0.02	2.12	0.00	0.00	-0.03	CO6
			1.33	0.02	2.12	0.00	0.00	-0.03	CO6
		M _y	1.33	0.02	2.12	0.00	0.00	-0.03	CO6
			1.33	0.02	2.12	0.00	0.00	-0.03	CO6
		M _z	-0.17	0.01	0.93	0.00	0.00	-0.01	CO9
			4.08	0.07	6.57	0.00	0.00	-0.08	CO7
		Extremes 44	4.08	0.07	6.57	0.00	0.00	-0.01	
			-0.17	0.01	0.93	0.00	0.00	-0.08	
47	S Ch DS2	P _x	0.12	0.01	0.92	0.00	0.00	0.01	CO9
			-5.63	0.07	6.49	0.00	0.00	0.08	CO7
		P _y	-5.63	0.07	6.49	0.00	0.00	0.08	CO7
			0.12	0.01	0.92	0.00	0.00	0.01	CO9
		P _z	-5.63	0.07	6.49	0.00	0.00	0.08	CO7
			0.12	0.01	0.92	0.00	0.00	0.01	CO9
		M _k	-1.84	0.02	2.09	0.00	0.00	0.03	CO6
			-1.84	0.02	2.09	0.00	0.00	0.03	CO6
		M _y	-1.84	0.02	2.09	0.00	0.00	0.03	CO6
			-1.84	0.02	2.09	0.00	0.00	0.03	CO6
		M _z	-5.63	0.07	6.49	0.00	0.00	0.08	CO7
			0.12	0.01	0.92	0.00	0.00	0.01	CO9
		Extremes 47	0.12	0.07	6.49	0.00	0.00	0.08	
			-5.63	0.01	0.92	0.00	0.00	0.01	
49	S Ch DS2	P _x	4.07	-0.07	6.56	0.00	0.00	0.08	CO7
			-0.17	-0.01	0.93	0.00	0.00	0.01	CO9
		P _y	-0.17	-0.01	0.93	0.00	0.00	0.01	CO9
			4.07	-0.07	6.56	0.00	0.00	0.08	CO7
		P _z	4.07	-0.07	6.56	0.00	0.00	0.08	CO7
			-0.17	-0.01	0.93	0.00	0.00	0.01	CO9
		M _k	1.33	-0.02	2.12	0.00	0.00	0.03	CO6
			1.33	-0.02	2.12	0.00	0.00	0.03	CO6
		M _y	1.33	-0.02	2.12	0.00	0.00	0.03	CO6
			1.33	-0.02	2.12	0.00	0.00	0.03	CO6
		M _z	4.07	-0.07	6.56	0.00	0.00	0.08	CO7
			-0.17	-0.01	0.93	0.00	0.00	0.01	CO9
		Extremes 49	4.07	-0.01	6.56	0.00	0.00	0.08	
			-0.17	-0.07	0.93	0.00	0.00	0.01	
52	S Ch DS2	P _x	0.17	-0.01	0.93	0.00	0.00	-0.01	CO9
			-4.37	-0.06	6.50	0.00	0.00	-0.07	CO7
		P _y	0.17	-0.01	0.93	0.00	0.00	-0.01	CO9
			-4.37	-0.06	6.50	0.00	0.00	-0.07	CO7
		P _z	-4.37	-0.06	6.50	0.00	0.00	-0.07	CO7
			0.17	-0.01	0.93	0.00	0.00	-0.01	CO9
		M _k	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO6
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO6
		M _y	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO6
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO6
		M _z	0.17	-0.01	0.93	0.00	0.00	-0.01	CO9
			-4.37	-0.06	6.50	0.00	0.00	-0.07	CO7
		Extremes 52	0.17	-0.01	6.50	0.00	0.00	-0.01	
			-4.37	-0.06	0.93	0.00	0.00	-0.07	
54	S Ch DS2	P _x	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	0.00	5.19	0.00	0.00	0.00	CO7
		P _y	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	0.00	5.19	0.00	0.00	0.00	CO7
		P _z	0.00	0.00	5.19	0.00	0.00	0.00	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		M _k	0.00	0.00	1.67	0.00	0.00	0.00	CO6
			0.00	0.00	1.67	0.00	0.00	0.00	CO6
		M _y	0.00	0.00	1.67	0.00	0.00	0.00	CO6
			0.00	0.00	1.67	0.00	0.00	0.00	CO6
		M _z	0.00	0.00	5.19	0.00	0.00	0.00	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		Extremes 54	0.00	0.00	5.19	0.00	0.00	0.00	
			0.00	0.00	0.77	0.00	0.00	0.00	



Model:

VDC Kranj - statična preverba
strehe

Project:

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strehe

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
57	S Ch DS2	P _x	0.02	0.00	5.04	0.00	0.00	0.00	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		P _y	0.01	0.00	4.53	0.00	0.00	0.00	CO8
			0.01	0.00	1.62	0.00	0.00	0.00	CO6
		P _z	0.02	0.00	5.04	0.00	0.00	0.00	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		M _k	0.01	0.00	1.62	0.00	0.00	0.00	CO6
			0.01	0.00	1.62	0.00	0.00	0.00	CO6
		M _y	0.01	0.00	1.62	0.00	0.00	0.00	CO6
			0.01	0.00	1.62	0.00	0.00	0.00	CO6
		M _z	0.01	0.00	2.48	0.00	0.00	0.00	CO10
			0.01	0.00	1.62	0.00	0.00	0.00	CO6
		Extremes	0.02	0.00	5.04	0.00	0.00	0.00	
			0.00	0.00	0.77	0.00	0.00	0.00	
59	S Ch DS2	P _x	4.03	0.07	6.54	0.00	0.00	-0.08	CO7
			-0.16	0.01	0.93	0.00	0.00	-0.01	CO9
		P _y	4.03	0.07	6.54	0.00	0.00	-0.08	CO7
			-0.16	0.01	0.93	0.00	0.00	-0.01	CO9
		P _z	4.03	0.07	6.54	0.00	0.00	-0.08	CO7
			-0.16	0.01	0.93	0.00	0.00	-0.01	CO9
		M _k	1.31	0.02	2.11	0.00	0.00	-0.03	CO6
			1.31	0.02	2.11	0.00	0.00	-0.03	CO6
		M _y	1.31	0.02	2.11	0.00	0.00	-0.03	CO6
			1.31	0.02	2.11	0.00	0.00	-0.03	CO6
		M _z	-0.16	0.01	0.93	0.00	0.00	-0.01	CO9
			4.03	0.07	6.54	0.00	0.00	-0.08	CO7
		Extremes	4.03	0.07	6.54	0.00	0.00	-0.01	
			-0.16	0.01	0.93	0.00	0.00	-0.08	
62	S Ch DS2	P _x	0.13	0.01	0.94	0.00	0.00	0.01	CO9
			-5.40	0.07	6.58	0.00	0.00	0.08	CO7
		P _y	-5.40	0.07	6.58	0.00	0.00	0.08	CO7
			0.13	0.01	0.94	0.00	0.00	0.01	CO9
		P _z	-5.40	0.07	6.58	0.00	0.00	0.08	CO7
			0.13	0.01	0.94	0.00	0.00	0.01	CO9
		M _k	-1.77	0.02	2.12	0.00	0.00	0.03	CO6
			-1.77	0.02	2.12	0.00	0.00	0.03	CO6
		M _y	-1.77	0.02	2.12	0.00	0.00	0.03	CO6
			-1.77	0.02	2.12	0.00	0.00	0.03	CO6
		M _z	-5.40	0.07	6.58	0.00	0.00	0.08	CO7
			0.13	0.01	0.94	0.00	0.00	0.01	CO9
		Extremes	0.13	0.07	6.58	0.00	0.00	0.08	
			-5.40	0.01	0.94	0.00	0.00	0.01	
64	S Ch DS2	P _x	4.03	-0.07	6.53	0.00	0.00	0.08	CO7
			-0.16	-0.01	0.93	0.00	0.00	0.01	CO9
		P _y	-0.16	-0.01	0.93	0.00	0.00	0.01	CO9
			4.03	-0.07	6.53	0.00	0.00	0.08	CO7
		P _z	4.03	-0.07	6.53	0.00	0.00	0.08	CO7
			-0.16	-0.01	0.93	0.00	0.00	0.01	CO9
		M _k	1.31	-0.02	2.11	0.00	0.00	0.03	CO6
			1.31	-0.02	2.11	0.00	0.00	0.03	CO6
		M _y	1.31	-0.02	2.11	0.00	0.00	0.03	CO6
			1.31	-0.02	2.11	0.00	0.00	0.03	CO6
		M _z	4.03	-0.07	6.53	0.00	0.00	0.08	CO7
			-0.16	-0.01	0.93	0.00	0.00	0.01	CO9
		Extremes	4.03	-0.01	6.53	0.00	0.00	0.08	
			-0.16	-0.07	0.93	0.00	0.00	0.01	
67	S Ch DS2	P _x	0.16	-0.01	0.93	0.00	0.00	-0.01	CO9
			-3.95	-0.07	6.52	0.00	0.00	-0.08	CO7
		P _y	0.16	-0.01	0.93	0.00	0.00	-0.01	CO9
			-3.95	-0.07	6.52	0.00	0.00	-0.08	CO7
		P _z	-3.95	-0.07	6.52	0.00	0.00	-0.08	CO7
			0.16	-0.01	0.93	0.00	0.00	-0.01	CO9
		M _k	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO6
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO6
		M _y	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO6
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO6
		M _z	0.16	-0.01	0.93	0.00	0.00	-0.01	CO9
			-3.95	-0.07	6.52	0.00	0.00	-0.08	CO7
		Extremes	0.16	-0.01	6.52	0.00	0.00	-0.01	
			-3.95	-0.07	0.93	0.00	0.00	-0.08	
69	S Ch DS2	P _x	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	0.01	5.19	0.00	0.00	0.00	CO7

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
69		P_y	0.00	0.01	5.19	0.00	0.00	0.00	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	0.01	5.19	0.00	0.00	0.00	CO7
		P_z	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	0.00	1.67	0.00	0.00	0.00	CO6
			0.00	0.00	1.67	0.00	0.00	0.00	CO6
		M_k	0.00	0.00	1.67	0.00	0.00	0.00	CO6
			0.00	0.00	1.67	0.00	0.00	0.00	CO6
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		M_y	0.00	0.01	5.19	0.00	0.00	0.00	CO7
			0.00	0.01	5.19	0.00	0.00	0.00	
			0.00	0.00	0.77	0.00	0.00	0.00	
Extremes 69									
72	S Ch DS2	P_x	0.02	0.00	4.99	0.00	0.00	0.00	CO7
			0.00	0.00	0.76	0.00	0.00	0.00	CO9
			0.00	0.00	0.76	0.00	0.00	0.00	CO9
		P_y	0.02	0.00	4.99	0.00	0.00	0.00	CO7
			0.00	0.00	0.76	0.00	0.00	0.00	CO9
			0.00	0.00	0.76	0.00	0.00	0.00	CO9
		P_z	0.02	0.00	4.99	0.00	0.00	0.00	CO7
			0.00	0.00	1.60	0.00	0.00	0.00	CO6
			0.01	0.00	1.60	0.00	0.00	0.00	CO6
		M_k	0.01	0.00	1.60	0.00	0.00	0.00	CO6
			0.01	0.00	1.60	0.00	0.00	0.00	CO6
			0.01	0.00	1.60	0.00	0.00	0.00	CO6
Extremes 72									
74	S Ch DS2	P_x	4.12	0.07	6.58	0.00	0.00	-0.08	CO7
			-0.18	0.01	0.93	0.00	0.00	-0.01	CO9
			4.12	0.07	6.58	0.00	0.00	-0.08	CO7
		P_y	-0.18	0.01	0.93	0.00	0.00	-0.01	CO9
			4.12	0.07	6.58	0.00	0.00	-0.08	CO7
			-0.18	0.01	0.93	0.00	0.00	-0.01	CO9
		P_z	4.12	0.07	6.58	0.00	0.00	-0.08	CO7
			-0.18	0.01	0.93	0.00	0.00	-0.01	CO9
			1.34	0.02	2.12	0.00	0.00	-0.03	CO6
		M_k	1.34	0.02	2.12	0.00	0.00	-0.03	CO6
			1.34	0.02	2.12	0.00	0.00	-0.03	CO6
			1.34	0.02	2.12	0.00	0.00	-0.03	CO6
Extremes 74									
77	S Ch DS2	P_x	0.14	0.01	0.94	0.00	0.00	0.01	CO9
			-5.60	0.07	6.57	0.00	0.00	0.08	CO7
			-5.60	0.07	6.57	0.00	0.00	0.08	CO7
		P_y	0.14	0.01	0.94	0.00	0.00	0.01	CO9
			-5.60	0.07	6.57	0.00	0.00	0.08	CO7
			0.14	0.01	0.94	0.00	0.00	0.01	CO9
		P_z	-5.60	0.07	6.57	0.00	0.00	0.08	CO7
			0.14	0.01	0.94	0.00	0.00	0.01	CO9
			-1.83	0.02	2.12	0.00	0.00	0.03	CO6
		M_k	-1.83	0.02	2.12	0.00	0.00	0.03	CO6
			-1.83	0.02	2.12	0.00	0.00	0.03	CO6
			-1.83	0.02	2.12	0.00	0.00	0.03	CO6
Extremes 77									
79	S Ch DS2	P_x	4.13	-0.07	6.62	0.00	0.00	0.08	CO7
			-0.18	-0.01	0.94	0.00	0.00	0.01	CO9
			4.13	-0.07	6.62	0.00	0.00	0.08	CO7
		P_y	-0.18	-0.01	0.94	0.00	0.00	0.01	CO9
			4.13	-0.07	6.62	0.00	0.00	0.08	CO7
			-0.18	-0.01	0.94	0.00	0.00	0.01	CO9
		P_z	4.13	-0.07	6.62	0.00	0.00	0.08	CO7
			-0.18	-0.01	0.94	0.00	0.00	0.01	CO9
			1.35	-0.02	2.14	0.00	0.00	0.03	CO6
		M_k	1.35	-0.02	2.14	0.00	0.00	0.03	CO6
			1.35	-0.02	2.14	0.00	0.00	0.03	CO6
			1.35	-0.02	2.14	0.00	0.00	0.03	CO6
Extremes 79									
82	S Ch DS2	P_x	0.18	-0.01	0.94	0.00	0.00	-0.01	CO9
			-4.73	-0.07	6.62	0.00	0.00	-0.08	CO7
		P_y	0.18	-0.01	0.94	0.00	0.00	-0.01	CO9
			-4.73	-0.07	6.62	0.00	0.00	-0.08	CO7

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
82		P_z	-4.73	-0.07	6.62	0.00	0.00	-0.08	CO7
			0.18	-0.01	0.94	0.00	0.00	-0.01	CO9
		M_k	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO6
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO6
		M_y	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO6
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO6
		M_z	0.18	-0.01	0.94	0.00	0.00	-0.01	CO9
			-4.73	-0.07	6.62	0.00	0.00	-0.08	CO7
		Extremes	0.18	-0.01	6.62	0.00	0.00	-0.01	
			-4.73	-0.07	0.94	0.00	0.00	-0.08	
84	S Ch DS2	P_x	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	-0.03	5.20	0.00	0.00	0.02	CO7
		P_y	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	-0.03	5.20	0.00	0.00	0.02	CO7
		P_z	0.00	-0.03	5.20	0.00	0.00	0.02	CO7
			0.00	-0.03	5.20	0.00	0.00	0.02	CO7
		M_k	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.00	-0.01	1.67	0.00	0.00	0.01	CO6
		M_y	0.00	-0.01	1.67	0.00	0.00	0.01	CO6
			0.00	-0.01	1.67	0.00	0.00	0.01	CO6
		M_z	0.00	-0.03	5.20	0.00	0.00	0.02	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
87	S Ch DS2	P_x	0.01	-0.02	5.15	0.00	0.00	-0.01	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		P_y	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.01	-0.02	5.15	0.00	0.00	-0.01	CO7
		P_z	0.01	-0.02	5.15	0.00	0.00	-0.01	CO7
			0.00	0.00	0.77	0.00	0.00	0.00	CO9
		M_k	0.00	-0.01	1.65	0.00	0.00	0.00	CO6
			0.00	-0.01	1.65	0.00	0.00	0.00	CO6
		M_y	0.00	-0.01	1.65	0.00	0.00	0.00	CO6
			0.00	-0.01	1.65	0.00	0.00	0.00	CO6
		M_z	0.00	0.00	0.77	0.00	0.00	0.00	CO9
			0.01	-0.02	5.15	0.00	0.00	-0.01	CO7
89	S Ch DS2	P_x	3.70	0.06	6.42	0.00	0.00	-0.07	CO7
			-0.12	0.01	0.92	0.00	0.00	-0.01	CO9
		P_y	3.70	0.06	6.42	0.00	0.00	-0.07	CO7
			-0.12	0.01	0.92	0.00	0.00	-0.01	CO9
		P_z	3.70	0.06	6.42	0.00	0.00	-0.07	CO7
			-0.12	0.01	0.92	0.00	0.00	-0.01	CO9
		M_k	1.20	0.02	2.07	0.00	0.00	-0.02	CO6
			1.20	0.02	2.07	0.00	0.00	-0.02	CO6
		M_y	1.20	0.02	2.07	0.00	0.00	-0.02	CO6
			1.20	0.02	2.07	0.00	0.00	-0.02	CO6
		M_z	-0.12	0.01	0.92	0.00	0.00	-0.01	CO9
			3.70	0.06	6.42	0.00	0.00	-0.07	CO7
92	S Ch DS2	P_x	0.09	0.01	0.93	0.00	0.00	0.01	CO9
			-4.89	0.06	6.47	0.00	0.00	0.07	CO7
		P_y	-4.89	0.06	6.47	0.00	0.00	0.07	CO7
			0.09	0.01	0.93	0.00	0.00	0.01	CO9
		P_z	-4.89	0.06	6.47	0.00	0.00	0.07	CO7
			0.09	0.01	0.93	0.00	0.00	0.01	CO9
		M_k	-1.60	0.02	2.09	0.00	0.00	0.02	CO6
			-1.60	0.02	2.09	0.00	0.00	0.02	CO6
		M_y	-1.60	0.02	2.09	0.00	0.00	0.02	CO6
			-1.60	0.02	2.09	0.00	0.00	0.02	CO6
		M_z	-4.89	0.06	6.47	0.00	0.00	0.07	CO7
			0.09	0.01	0.93	0.00	0.00	0.01	CO9
94	S Ch DS2	P_x	3.63	-0.08	6.23	0.00	0.00	0.08	CO7
			-0.11	-0.01	0.91	0.00	0.00	0.01	CO9
		P_y	-0.11	-0.01	0.91	0.00	0.00	0.01	CO9
			3.63	-0.08	6.23	0.00	0.00	0.08	CO7
		P_z	3.63	-0.08	6.23	0.00	0.00	0.08	CO7
			-0.11	-0.01	0.91	0.00	0.00	0.01	CO9

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
94		M _k	1.18	-0.03	2.01	0.00	0.00	0.03	CO6
			1.18	-0.03	2.01	0.00	0.00	0.03	CO6
		M _y	1.18	-0.03	2.01	0.00	0.00	0.03	CO6
			1.18	-0.03	2.01	0.00	0.00	0.03	CO6
		M _z	3.63	-0.08	6.23	0.00	0.00	0.08	CO7
			-0.11	-0.01	0.91	0.00	0.00	0.01	CO9
		Extremes	3.63	-0.01	6.23	0.00	0.00	0.08	
			-0.11	-0.08	0.91	0.00	0.00	0.01	
97	SCh DS2	P _x	0.09	-0.01	0.89	0.00	0.00	-0.01	CO9
			-1.43	-0.08	6.05	0.00	0.00	-0.08	CO7
		P _y	0.09	-0.01	0.89	0.00	0.00	-0.01	CO9
			-1.43	-0.08	6.05	0.00	0.00	-0.08	CO7
		P _z	-1.43	-0.08	6.05	0.00	0.00	-0.08	CO7
			0.09	-0.01	0.89	0.00	0.00	-0.01	CO9
		M _k	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO6
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO6
		M _y	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO6
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO6
		M _z	0.09	-0.01	0.89	0.00	0.00	-0.01	CO9
			-1.43	-0.08	6.05	0.00	0.00	-0.08	CO7
		Extremes	0.09	-0.01	0.89	0.00	0.00	-0.01	
			-1.43	-0.08	6.05	0.00	0.00	-0.08	
99	SCh DS2	P _x	0.00	0.02	0.77	0.00	0.00	-0.01	CO9
			0.00	0.13	5.18	0.00	0.00	-0.08	CO7
		P _y	0.00	0.13	5.18	0.00	0.00	-0.08	CO7
			0.00	0.02	0.77	0.00	0.00	-0.01	CO9
		P _z	0.00	0.13	5.18	0.00	0.00	-0.08	CO7
			0.00	0.02	0.77	0.00	0.00	-0.01	CO9
		M _k	0.00	0.04	1.67	0.00	0.00	-0.03	CO6
			0.00	0.04	1.67	0.00	0.00	-0.03	CO6
		M _y	0.00	0.04	1.67	0.00	0.00	-0.03	CO6
			0.00	0.04	1.67	0.00	0.00	-0.03	CO6
		M _z	0.00	0.02	0.77	0.00	0.00	-0.01	CO9
			0.00	0.13	5.18	0.00	0.00	-0.08	CO7
		Extremes	0.00	0.13	5.18	0.00	0.00	-0.01	
			0.00	0.02	0.77	0.00	0.00	-0.08	
102	SCh DS2	P _x	0.10	0.11	4.20	0.00	0.00	0.07	CO7
			0.00	0.02	0.73	0.00	0.00	0.01	CO9
		P _y	0.10	0.11	4.20	0.00	0.00	0.07	CO7
			0.00	0.02	0.73	0.00	0.00	0.01	CO9
		P _z	0.10	0.11	4.20	0.00	0.00	0.07	CO7
			0.00	0.02	0.73	0.00	0.00	0.01	CO9
		M _k	0.03	0.04	1.34	0.00	0.00	0.02	CO6
			0.03	0.04	1.34	0.00	0.00	0.02	CO6
		M _y	0.03	0.04	1.34	0.00	0.00	0.02	CO6
			0.03	0.04	1.34	0.00	0.00	0.02	CO6
		M _z	0.10	0.11	4.20	0.00	0.00	0.07	CO7
			0.00	0.02	0.73	0.00	0.00	0.01	CO9
		Extremes	0.10	0.11	4.20	0.00	0.00	0.07	
			0.00	0.02	0.73	0.00	0.00	0.01	
104	SCh DS2	P _x	5.85	0.12	7.22	0.00	0.00	-0.15	CO7
			-0.36	0.02	1.00	0.00	0.00	-0.02	CO9
		P _y	5.85	0.12	7.22	0.00	0.00	-0.15	CO7
			-0.36	0.02	1.00	0.00	0.00	-0.02	CO9
		P _z	5.85	0.12	7.22	0.00	0.00	-0.15	CO7
			-0.36	0.02	1.00	0.00	0.00	-0.02	CO9
		M _k	1.92	0.04	2.33	0.00	0.00	-0.05	CO6
			1.92	0.04	2.33	0.00	0.00	-0.05	CO6
		M _y	1.92	0.04	2.33	0.00	0.00	-0.05	CO6
			1.92	0.04	2.33	0.00	0.00	-0.05	CO6
		M _z	-0.36	0.02	1.00	0.00	0.00	-0.02	CO9
			5.85	0.12	7.22	0.00	0.00	-0.15	CO7
		Extremes	5.85	0.12	7.22	0.00	0.00	-0.02	
			-0.36	0.02	1.00	0.00	0.00	-0.15	
107	SCh DS2	P _x	0.27	0.02	0.98	0.00	0.00	0.02	CO9
			-3.49	0.11	7.10	0.00	0.00	0.14	CO7
		P _y	-3.49	0.11	7.10	0.00	0.00	0.14	CO7
			0.27	0.02	0.98	0.00	0.00	0.02	CO9
		P _z	-3.49	0.11	7.10	0.00	0.00	0.14	CO7
			0.27	0.02	0.98	0.00	0.00	0.02	CO9
		M _k	-1.15	0.04	2.29	0.00	0.00	0.05	CO6
			-1.15	0.04	2.29	0.00	0.00	0.05	CO6

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
107		M _y	-1.15	0.04	2.29	0.00	0.00	0.05	CO6
			-1.15	0.04	2.29	0.00	0.00	0.05	CO6
		M _z	-3.49	0.11	7.10	0.00	0.00	0.14	CO7
			0.27	0.02	0.98	0.00	0.00	0.02	CO9
			0.27	0.11	7.10	0.00	0.00	0.14	
Extremes 107		-3.49	0.02	0.98	0.00	0.00	0.02		
109	S Ch DS2	P _x	6.39	-0.03	8.08	0.00	0.00	0.08	CO7
			-0.44	0.00	1.09	0.00	0.00	0.01	CO9
		P _y	-0.44	0.00	1.09	0.00	0.00	0.01	CO9
			6.39	-0.03	8.08	0.00	0.00	0.08	CO7
		P _z	6.39	-0.03	8.08	0.00	0.00	0.08	CO7
			-0.44	0.00	1.09	0.00	0.00	0.01	CO9
		M _x	2.09	-0.01	2.62	0.00	0.00	0.03	CO6
			2.09	-0.01	2.62	0.00	0.00	0.03	CO6
		M _y	2.09	-0.01	2.62	0.00	0.00	0.03	CO6
			2.09	-0.01	2.62	0.00	0.00	0.03	CO6
		M _z	6.39	-0.03	8.08	0.00	0.00	0.08	CO7
			-0.44	0.00	1.09	0.00	0.00	0.01	CO9
		Extremes 109	6.39	0.00	8.08	0.00	0.00	0.08	
			-0.44	-0.03	1.09	0.00	0.00	0.01	
112	S Ch DS2	P _x	0.31	0.00	1.10	0.00	0.00	-0.01	CO9
			-10.82	-0.03	8.00	0.00	0.00	-0.08	CO7
		P _y	0.31	0.00	1.10	0.00	0.00	-0.01	CO9
			-10.82	-0.03	8.00	0.00	0.00	-0.08	CO7
		P _z	-10.82	-0.03	8.00	0.00	0.00	-0.08	CO7
			0.31	0.00	1.10	0.00	0.00	-0.01	CO9
		M _x	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO6
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO6
		M _y	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO6
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO6
		M _z	0.31	0.00	1.10	0.00	0.00	-0.01	CO9
			-10.82	-0.03	8.00	0.00	0.00	-0.08	CO7
		Extremes 112	0.31	0.00	8.00	0.00	0.00	-0.01	
			-10.82	-0.03	1.10	0.00	0.00	-0.08	
114	S Ch DS2	P _x	0.00	-0.10	0.42	0.00	0.00	0.06	CO9
			0.00	-0.60	2.62	0.00	0.00	0.38	CO7
		P _y	0.00	-0.10	0.42	0.00	0.00	0.06	CO9
			0.00	-0.60	2.62	0.00	0.00	0.38	CO7
		P _z	0.00	-0.60	2.62	0.00	0.00	0.38	CO7
			0.00	-0.10	0.42	0.00	0.00	0.06	CO9
		M _x	0.00	-0.20	0.87	0.00	0.00	0.12	CO6
			0.00	-0.20	0.87	0.00	0.00	0.12	CO6
		M _y	0.00	-0.20	0.87	0.00	0.00	0.12	CO6
			0.00	-0.20	0.87	0.00	0.00	0.12	CO6
		M _z	0.00	-0.60	2.62	0.00	0.00	0.38	CO7
			0.00	-0.10	0.42	0.00	0.00	0.06	CO9
		Extremes 114	0.00	-0.10	2.62	0.00	0.00	0.38	
			0.00	-0.60	0.42	0.00	0.00	0.06	
117	S Ch DS2	P _x	0.00	-0.10	0.43	0.00	0.00	-0.06	CO9
			-0.04	-0.57	3.02	0.00	0.00	-0.36	CO7
		P _y	0.00	-0.10	0.43	0.00	0.00	-0.06	CO9
			-0.04	-0.57	3.02	0.00	0.00	-0.36	CO7
		P _z	-0.04	-0.57	3.02	0.00	0.00	-0.36	CO7
			0.00	-0.10	0.43	0.00	0.00	-0.06	CO9
		M _x	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO6
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO6
		M _y	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO6
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO6
		M _z	0.00	-0.10	0.43	0.00	0.00	-0.06	CO9
			-0.04	-0.57	3.02	0.00	0.00	-0.36	CO7
		Extremes 117	0.00	-0.10	3.02	0.00	0.00	-0.06	
			-0.04	-0.57	0.43	0.00	0.00	-0.36	
126	S Ch DS2	P _x	0.01	0.02	0.17	0.00	0.00	-0.02	CO7
			0.00	0.00	0.06	0.00	0.00	0.00	CO9
		P _y	0.01	0.02	0.17	0.00	0.00	-0.02	CO7
			0.00	0.00	0.06	0.00	0.00	0.00	CO9
		P _z	0.01	0.02	0.17	0.00	0.00	-0.02	CO7
			0.00	0.00	0.06	0.00	0.00	0.00	CO9
		M _x	0.00	0.01	0.09	0.00	0.00	-0.01	CO6
			0.00	0.01	0.09	0.00	0.00	-0.01	CO6
		M _y	0.00	0.01	0.09	0.00	0.00	-0.01	CO6
			0.00	0.01	0.09	0.00	0.00	-0.01	CO6
		Extremes 126	0.01	0.02	0.17	0.00	0.00	-0.02	
			0.00	0.00	0.06	0.00	0.00	0.00	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
126 Extremes 126		M _z	0.00	0.00	0.06	0.00	0.00	0.00	CO9
			0.01	0.02	0.17	0.00	0.00	-0.02	CO7
			0.01	0.02	0.17	0.00	0.00	0.00	
			0.00	0.00	0.06	0.00	0.00	-0.02	
127 Extremes 127	S Ch DS2	P _x	0.92	-0.06	20.54	0.00	0.00	0.68	CO7
			-0.06	0.00	-1.08	0.00	0.00	-0.04	CO9
		P _y	-0.06	0.00	-1.08	0.00	0.00	-0.04	CO9
			0.92	-0.06	20.54	0.00	0.00	0.68	CO7
		P _z	0.92	-0.06	20.54	0.00	0.00	0.68	CO7
			-0.06	0.00	-1.08	0.00	0.00	-0.04	CO9
		M _x	0.30	-0.02	6.76	0.00	0.00	0.22	CO6
			0.30	-0.02	6.76	0.00	0.00	0.22	CO6
		M _y	0.30	-0.02	6.76	0.00	0.00	0.22	CO6
			0.30	-0.02	6.76	0.00	0.00	0.22	CO6
		M _z	0.92	-0.06	20.54	0.00	0.00	0.68	CO7
			-0.06	0.00	-1.08	0.00	0.00	-0.04	CO9
			0.92	0.00	20.54	0.00	0.00	0.68	
			-0.06	-0.06	-1.08	0.00	0.00	-0.04	
130 Extremes 130	S Ch DS2	P _x	1.34	0.02	26.40	0.00	0.00	-0.18	CO7
			-0.09	0.00	-1.40	0.00	0.00	0.01	CO9
		P _y	1.34	0.02	26.40	0.00	0.00	-0.18	CO7
			-0.09	0.00	-1.40	0.00	0.00	0.01	CO9
		P _z	1.34	0.02	26.40	0.00	0.00	-0.18	CO7
			-0.09	0.00	-1.40	0.00	0.00	0.01	CO9
		M _x	0.44	0.01	8.69	0.00	0.00	-0.06	CO6
			0.44	0.01	8.69	0.00	0.00	-0.06	CO6
		M _y	0.44	0.01	8.69	0.00	0.00	-0.06	CO6
			0.44	0.01	8.69	0.00	0.00	-0.06	CO6
		M _z	-0.09	0.00	-1.40	0.00	0.00	0.01	CO9
			1.34	0.02	26.40	0.00	0.00	-0.18	CO7
133 Extremes 133	S Ch DS2	P _x	1.24	0.00	25.36	0.00	0.00	0.05	CO7
			-0.08	0.00	-1.34	0.00	0.00	0.00	CO9
		P _y	-0.08	0.00	-1.34	0.00	0.00	0.00	CO9
			1.24	0.00	25.36	0.00	0.00	0.05	CO7
		P _z	1.24	0.00	25.36	0.00	0.00	0.05	CO7
			-0.08	0.00	-1.34	0.00	0.00	0.00	CO9
		M _x	0.41	0.00	8.34	0.00	0.00	0.02	CO6
			0.41	0.00	8.34	0.00	0.00	0.02	CO6
		M _y	0.41	0.00	8.34	0.00	0.00	0.02	CO6
			0.41	0.00	8.34	0.00	0.00	0.02	CO6
		M _z	1.24	0.00	25.36	0.00	0.00	0.05	CO7
			-0.08	0.00	-1.34	0.00	0.00	0.00	CO9
136 Extremes 136	S Ch DS2	P _x	1.26	0.00	25.56	0.00	0.00	-0.02	CO7
			-0.08	0.00	-1.35	0.00	0.00	0.00	CO9
		P _y	1.26	0.00	25.56	0.00	0.00	-0.02	CO7
			-0.08	0.00	-1.35	0.00	0.00	0.00	CO9
		P _z	1.26	0.00	25.56	0.00	0.00	-0.02	CO7
			-0.08	0.00	-1.35	0.00	0.00	0.00	CO9
		M _x	0.41	0.00	8.41	0.00	0.00	-0.01	CO6
			0.41	0.00	8.41	0.00	0.00	-0.01	CO6
		M _y	0.41	0.00	8.41	0.00	0.00	-0.01	CO6
			0.41	0.00	8.41	0.00	0.00	-0.01	CO6
		M _z	-0.08	0.00	-1.35	0.00	0.00	0.00	CO9
			1.26	0.00	25.56	0.00	0.00	-0.02	CO7
139 Extremes 139	S Ch DS2	P _x	1.27	0.00	25.73	0.00	0.00	0.04	CO7
			-0.08	0.00	-1.36	0.00	0.00	0.00	CO9
		P _y	-0.08	0.00	-1.36	0.00	0.00	0.00	CO9
			1.27	0.00	25.73	0.00	0.00	0.04	CO7
		P _z	1.27	0.00	25.73	0.00	0.00	0.04	CO7
			-0.08	0.00	-1.36	0.00	0.00	0.00	CO9
		M _x	0.42	0.00	8.47	0.00	0.00	0.01	CO6
			0.42	0.00	8.47	0.00	0.00	0.01	CO6
		M _y	0.42	0.00	8.47	0.00	0.00	0.01	CO6
			0.42	0.00	8.47	0.00	0.00	0.01	CO6
		M _z	1.27	0.00	25.73	0.00	0.00	0.04	CO7
			-0.08	0.00	-1.36	0.00	0.00	0.00	CO9

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 139			1.27 -0.08	0.00 0.00	25.73 -1.36	0.00 0.00	0.00 0.00	0.04 0.00	
142	S Ch DS2	P _x	1.18 -0.08	0.02 0.00	24.81 -1.31	0.00 0.00	0.00 0.00	-0.16 0.01	CO7 CO9
			1.18 -0.08	0.02 0.00	24.81 -1.31	0.00 0.00	0.00 0.00	-0.16 0.01	CO7 CO9
		P _y	1.18 -0.08	0.02 0.00	24.81 -1.31	0.00 0.00	0.00 0.00	-0.16 0.01	CO7 CO9
			1.18 -0.08	0.02 0.00	24.81 -1.31	0.00 0.00	0.00 0.00	-0.16 0.01	CO7 CO9
		P _z	1.18 -0.08	0.02 0.00	24.81 -1.31	0.00 0.00	0.00 0.00	-0.16 0.01	CO7 CO9
			1.18 -0.08	0.02 0.00	24.81 -1.31	0.00 0.00	0.00 0.00	-0.16 0.01	CO7 CO9
		M _k	0.39 0.39	0.01 0.01	8.16 8.16	0.00 0.00	0.00 0.00	-0.05 -0.05	CO6 CO6
			0.39 0.39	0.01 0.01	8.16 8.16	0.00 0.00	0.00 0.00	-0.05 -0.05	CO6 CO6
		M _y	0.39 0.39	0.01 0.01	8.16 8.16	0.00 0.00	0.00 0.00	-0.05 -0.05	CO6 CO6
			0.39 0.39	0.01 0.01	8.16 8.16	0.00 0.00	0.00 0.00	-0.05 -0.05	CO6 CO6
		M _z	-0.08 1.18	0.00 0.02	-1.31 24.81	0.00 0.00	0.00 0.00	0.01 -0.16	CO9 CO7
			-0.08 1.18	0.00 0.02	-1.31 24.81	0.00 0.00	0.00 0.00	0.01 -0.16	CO9 CO7
		Extremes 142	-0.08 1.18	0.00 0.02	-1.31 24.81	0.00 0.00	0.00 0.00	-0.16 0.01	
			-0.08 1.18	0.00 0.02	-1.31 24.81	0.00 0.00	0.00 0.00	-0.16 0.01	
145	S Ch DS2	P _x	1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
			1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
		P _y	1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
			1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
		P _z	1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
			1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
		M _k	0.51 0.51	-0.02 -0.02	9.39 9.39	0.00 0.00	0.00 0.00	0.21 0.21	CO6 CO6
			0.51 0.51	-0.02 -0.02	9.39 9.39	0.00 0.00	0.00 0.00	0.21 0.21	CO6 CO6
		M _y	0.51 0.51	-0.02 -0.02	9.39 9.39	0.00 0.00	0.00 0.00	0.21 0.21	CO6 CO6
			0.51 0.51	-0.02 -0.02	9.39 9.39	0.00 0.00	0.00 0.00	0.21 0.21	CO6 CO6
		M _z	1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
			1.55 -0.09	-0.06 0.00	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	CO7 CO9
		Extremes 145	1.55 -0.09	-0.06 -0.06	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	
			1.55 -0.09	-0.06 -0.06	28.53 -1.52	0.00 0.00	0.00 0.00	0.64 -0.03	
148	S Ch DS2	P _x	1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	CO7 CO9
			1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	CO7 CO9
		P _y	1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	CO7 CO9
			1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	CO7 CO9
		P _z	1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	CO7 CO9
			1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	CO7 CO9
		M _k	0.53 0.53	0.07 0.07	3.42 3.42	0.00 0.00	0.00 0.00	-0.44 -0.44	CO6 CO6
			0.53 0.53	0.07 0.07	3.42 3.42	0.00 0.00	0.00 0.00	-0.44 -0.44	CO6 CO6
		M _y	0.53 0.53	0.07 0.07	3.42 3.42	0.00 0.00	0.00 0.00	-0.44 -0.44	CO6 CO6
			0.53 0.53	0.07 0.07	3.42 3.42	0.00 0.00	0.00 0.00	-0.44 -0.44	CO6 CO6
		M _z	-0.11 1.61	0.00 0.22	-0.50 10.28	0.00 0.00	0.00 0.00	0.07 -1.33	CO9 CO7
			-0.11 1.61	0.00 0.22	-0.50 10.28	0.00 0.00	0.00 0.00	0.07 -1.33	CO9 CO7
		Extremes 148	1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	
			1.61 -0.11	0.22 0.00	10.28 -0.50	0.00 0.00	0.00 0.00	-1.33 0.07	
149	S Ch DS2	P _x	0.00 -0.01	0.00 0.02	0.05 0.13	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
			0.00 -0.01	0.00 0.02	0.05 0.13	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
		P _y	0.00 -0.01	0.00 0.02	0.05 0.13	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
			0.00 -0.01	0.00 0.02	0.05 0.13	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
		P _z	0.00 -0.01	0.00 0.02	0.05 0.13	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
			0.00 -0.01	0.00 0.02	0.05 0.13	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
		M _k	0.00 0.00	0.01 0.01	0.08 0.08	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
			0.00 0.00	0.01 0.01	0.08 0.08	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
		M _y	0.00 0.00	0.01 0.01	0.08 0.08	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
			0.00 0.00	0.01 0.01	0.08 0.08	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
		M _z	-0.01 0.00	0.02 0.00	0.13 0.05	0.00 0.00	0.00 0.00	0.02 0.00	CO7 CO9
			-0.01 0.00	0.02 0.00	0.13 0.05	0.00 0.00	0.00 0.00	0.02 0.00	CO7 CO9
		Extremes 149	0.00 -0.01	0.02 0.00	0.13 0.05	0.00 0.00	0.00 0.00	0.02 0.00	
			0.00 -0.01	0.02 0.00	0.13 0.05	0.00 0.00	0.00 0.00	0.02 0.00	
150	S Ch DS2	P _x	0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
			0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
		P _y	0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
			0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
		P _z	0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
			0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
		M _k	-0.29 -0.29	-0.02 -0.02	6.68 6.68	0.00 0.00	0.00 0.00	-0.23 -0.23	CO6 CO6
			-0.29 -0.29	-0.02 -0.02	6.68 6.68	0.00 0.00	0.00 0.00	-0.23 -0.23	CO6 CO6
		M _y	-0.29 -0.29	-0.02 -0.02	6.68 6.68	0.00 0.00	0.00 0.00	-0.23 -0.23	CO6 CO6
			-0.29 -0.29	-0.02 -0.02	6.68 6.68	0.00 0.00	0.00 0.00	-0.23 -0.23	CO6 CO6
		M _z	0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
			0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	CO9 CO7
		Extremes 150	0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	
			0.07 -0.89	0.00 -0.06	-1.14 20.29	0.00 0.00	0.00 0.00	0.04 -0.70	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
153	S Ch DS2	P _x	0.08	0.00	-1.39	0.00	0.00	-0.01	CO9
			-1.37	0.02	26.29	0.00	0.00	0.26	CO7
		P _y	-1.37	0.02	26.29	0.00	0.00	0.26	CO7
			0.08	0.00	-1.39	0.00	0.00	-0.01	CO9
		P _z	-1.37	0.02	26.29	0.00	0.00	0.26	CO7
			0.08	0.00	-1.39	0.00	0.00	-0.01	CO9
		M _k	-0.45	0.01	8.65	0.00	0.00	0.08	CO6
			-0.45	0.01	8.65	0.00	0.00	0.08	CO6
		M _y	-0.45	0.01	8.65	0.00	0.00	0.08	CO6
			-0.45	0.01	8.65	0.00	0.00	0.08	CO6
		M _z	-1.37	0.02	26.29	0.00	0.00	0.26	CO7
			0.08	0.00	-1.39	0.00	0.00	-0.01	CO9
		Extremes	0.08	0.02	26.29	0.00	0.00	0.26	
			-1.37	0.00	-1.39	0.00	0.00	-0.01	
156	S Ch DS2	P _x	0.08	0.00	-1.37	0.00	0.00	0.01	CO9
			-1.33	-0.01	25.97	0.00	0.00	-0.15	CO7
		P _y	0.08	0.00	-1.37	0.00	0.00	0.01	CO9
			-1.33	-0.01	25.97	0.00	0.00	-0.15	CO7
		P _z	-1.33	-0.01	25.97	0.00	0.00	-0.15	CO7
			0.08	0.00	-1.37	0.00	0.00	0.01	CO9
		M _k	-0.44	0.00	8.54	0.00	0.00	-0.05	CO6
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO6
		M _y	-0.44	0.00	8.54	0.00	0.00	-0.05	CO6
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO6
		M _z	0.08	0.00	-1.37	0.00	0.00	0.01	CO9
			-1.33	-0.01	25.97	0.00	0.00	-0.15	CO7
		Extremes	0.08	0.00	25.97	0.00	0.00	0.01	
			-1.33	-0.01	-1.37	0.00	0.00	-0.15	
159	S Ch DS2	P _x	0.07	0.00	-1.25	0.00	0.00	-0.02	CO9
			-1.08	0.04	23.02	0.00	0.00	0.60	CO7
		P _y	-1.08	0.04	23.02	0.00	0.00	0.60	CO7
			0.07	0.00	-1.25	0.00	0.00	-0.02	CO9
		P _z	-1.08	0.04	23.02	0.00	0.00	0.60	CO7
			0.07	0.00	-1.25	0.00	0.00	-0.02	CO9
		M _k	-0.36	0.01	7.58	0.00	0.00	0.20	CO6
			-0.36	0.01	7.58	0.00	0.00	0.20	CO6
		M _y	-0.36	0.01	7.58	0.00	0.00	0.20	CO6
			-0.36	0.01	7.58	0.00	0.00	0.20	CO6
		M _z	-1.08	0.04	23.02	0.00	0.00	0.60	CO7
			0.07	0.00	-1.25	0.00	0.00	-0.02	CO9
		Extremes	0.07	0.04	23.02	0.00	0.00	0.60	
			-1.08	0.00	-1.25	0.00	0.00	-0.02	
162	S Ch DS2	P _x	0.11	0.00	-1.71	0.00	0.00	0.09	CO9
			-1.92	-0.14	33.71	0.00	0.00	-2.17	CO7
		P _y	0.11	0.00	-1.71	0.00	0.00	0.09	CO9
			-1.92	-0.14	33.71	0.00	0.00	-2.17	CO7
		P _z	-1.92	-0.14	33.71	0.00	0.00	-2.17	CO7
			0.11	0.00	-1.71	0.00	0.00	0.09	CO9
		M _k	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO6
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO6
		M _y	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO6
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO6
		M _z	0.11	0.00	-1.71	0.00	0.00	0.09	CO9
			-1.92	-0.14	33.71	0.00	0.00	-2.17	CO7
		Extremes	0.11	0.00	33.71	0.00	0.00	0.09	
			-1.92	-0.14	-1.71	0.00	0.00	-2.17	
166	S Ch DS2	P _x	0.09	-0.01	-1.25	0.00	0.00	-0.20	CO9
			-1.28	0.20	23.96	0.00	0.00	4.25	CO7
		P _y	-1.28	0.20	23.96	0.00	0.00	4.25	CO7
			0.09	-0.01	-1.25	0.00	0.00	-0.20	CO9
		P _z	-1.28	0.20	23.96	0.00	0.00	4.25	CO7
			0.09	-0.01	-1.25	0.00	0.00	-0.20	CO9
		M _k	-0.43	0.07	7.93	0.00	0.00	1.38	CO6
			-0.43	0.07	7.93	0.00	0.00	1.38	CO6
		M _y	-0.43	0.07	7.93	0.00	0.00	1.38	CO6
			-0.43	0.07	7.93	0.00	0.00	1.38	CO6
		M _z	-1.28	0.20	23.96	0.00	0.00	4.25	CO7
			0.09	-0.01	-1.25	0.00	0.00	-0.20	CO9
		Extremes	0.09	0.20	23.96	0.00	0.00	4.25	
			-1.28	-0.01	-1.25	0.00	0.00	-0.20	
168	S Ch DS2	P _x	0.00	0.02	-0.14	0.00	0.00	-0.06	CO7
			-0.01	0.01	-0.04	0.00	0.00	0.00	CO9

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
168		P _y	0.00	0.02	-0.14	0.00	0.00	-0.06	CO7
			-0.01	0.01	-0.04	0.00	0.00	0.00	CO9
		P _z	0.00	0.01	-0.01	0.00	0.00	-0.02	CO6
			0.00	0.02	-0.16	0.00	0.00	-0.05	CO8
		M _k	0.00	0.01	-0.01	0.00	0.00	-0.02	CO6
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO6
		M _y	0.00	0.01	-0.01	0.00	0.00	-0.02	CO6
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO6
		M _z	-0.01	0.01	-0.04	0.00	0.00	0.00	CO9
			0.00	0.02	-0.14	0.00	0.00	-0.06	CO7
		Extremes 168	0.00	0.02	-0.01	0.00	0.00	0.00	
			-0.01	0.01	-0.16	0.00	0.00	-0.06	
169	S Ch DS2	P _x	1.75	0.23	10.02	0.00	0.00	-1.81	CO7
			0.10	0.05	0.51	0.00	0.00	-0.12	CO9
		P _y	1.75	0.23	10.02	0.00	0.00	-1.81	CO7
			0.10	0.05	0.51	0.00	0.00	-0.12	CO9
		P _z	1.75	0.23	10.02	0.00	0.00	-1.81	CO7
			0.10	0.05	0.51	0.00	0.00	-0.12	CO9
		M _k	0.58	0.08	3.34	0.00	0.00	-0.60	CO6
			0.58	0.08	3.34	0.00	0.00	-0.60	CO6
		M _y	0.58	0.08	3.34	0.00	0.00	-0.60	CO6
			0.58	0.08	3.34	0.00	0.00	-0.60	CO6
		M _z	0.10	0.05	0.51	0.00	0.00	-0.12	CO9
			1.75	0.23	10.02	0.00	0.00	-1.81	CO7
Extremes 169	1.75	0.23	10.02	0.00	0.00	-0.12			
	0.10	0.05	0.51	0.00	0.00	-1.81			
170	S Ch DS2	P _x	0.93	-0.07	19.64	0.00	0.00	0.82	CO7
			0.04	-0.02	0.85	0.00	0.00	0.05	CO9
		P _y	0.04	-0.02	0.85	0.00	0.00	0.05	CO9
			0.93	-0.07	19.64	0.00	0.00	0.82	CO7
		P _z	0.93	-0.07	19.64	0.00	0.00	0.82	CO7
			0.04	-0.02	0.85	0.00	0.00	0.05	CO9
		M _k	0.31	-0.02	6.48	0.00	0.00	0.27	CO6
			0.31	-0.02	6.48	0.00	0.00	0.27	CO6
		M _y	0.31	-0.02	6.48	0.00	0.00	0.27	CO6
			0.31	-0.02	6.48	0.00	0.00	0.27	CO6
		M _z	0.93	-0.07	19.64	0.00	0.00	0.82	CO7
			0.04	-0.02	0.85	0.00	0.00	0.05	CO9
Extremes 170	0.93	-0.02	19.64	0.00	0.00	0.82			
	0.04	-0.07	0.85	0.00	0.00	0.05			
173	S Ch DS2	P _x	1.32	0.02	25.24	0.00	0.00	-0.23	CO7
			0.06	0.00	1.07	0.00	0.00	-0.02	CO9
		P _y	1.32	0.02	25.24	0.00	0.00	-0.23	CO7
			0.06	0.00	1.07	0.00	0.00	-0.02	CO9
		P _z	1.32	0.02	25.24	0.00	0.00	-0.23	CO7
			0.06	0.00	1.07	0.00	0.00	-0.02	CO9
		M _k	0.43	0.01	8.32	0.00	0.00	-0.08	CO6
			0.43	0.01	8.32	0.00	0.00	-0.08	CO6
		M _y	0.43	0.01	8.32	0.00	0.00	-0.08	CO6
			0.43	0.01	8.32	0.00	0.00	-0.08	CO6
		M _z	0.06	0.00	1.07	0.00	0.00	-0.02	CO9
			1.32	0.02	25.24	0.00	0.00	-0.23	CO7
Extremes 173	1.32	0.02	25.24	0.00	0.00	-0.02			
	0.06	0.00	1.07	0.00	0.00	-0.23			
176	S Ch DS2	P _x	1.22	0.00	24.12	0.00	0.00	0.06	CO7
			0.05	0.00	0.99	0.00	0.00	0.00	CO9
		P _y	0.05	0.00	0.99	0.00	0.00	0.00	CO9
			1.22	0.00	24.12	0.00	0.00	0.06	CO7
		P _z	1.22	0.00	24.12	0.00	0.00	0.06	CO7
			0.05	0.00	0.99	0.00	0.00	0.00	CO9
		M _k	0.40	0.00	7.95	0.00	0.00	0.02	CO6
			0.40	0.00	7.95	0.00	0.00	0.02	CO6
		M _y	0.40	0.00	7.95	0.00	0.00	0.02	CO6
			0.40	0.00	7.95	0.00	0.00	0.02	CO6
		M _z	1.22	0.00	24.12	0.00	0.00	0.06	CO7
			0.05	0.00	0.99	0.00	0.00	0.00	CO9
Extremes 176	1.22	0.00	24.12	0.00	0.00	0.06			
	0.05	0.00	0.99	0.00	0.00	0.00			
179	S Ch DS2	P _x	1.24	0.00	24.35	0.00	0.00	-0.03	CO7
			0.05	0.00	1.01	0.00	0.00	0.00	CO9
		P _y	1.24	0.00	24.35	0.00	0.00	-0.03	CO7
			0.05	0.00	1.01	0.00	0.00	0.00	CO9

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
179		P_z	1.24	0.00	24.35	0.00	0.00	-0.03	CO7
			0.05	0.00	1.01	0.00	0.00	0.00	CO9
			0.41	0.00	8.02	0.00	0.00	-0.01	CO6
		M_k	0.41	0.00	8.02	0.00	0.00	-0.01	CO6
			0.41	0.00	8.02	0.00	0.00	-0.01	CO6
			0.41	0.00	8.02	0.00	0.00	-0.01	CO6
		M_y	0.05	0.00	1.01	0.00	0.00	0.00	CO9
			1.24	0.00	24.35	0.00	0.00	-0.03	CO7
			1.24	0.00	24.35	0.00	0.00	0.00	CO9
		M_z	0.05	0.00	1.01	0.00	0.00	-0.03	CO7
			0.05	0.00	1.01	0.00	0.00	-0.03	CO9
			0.05	0.00	1.01	0.00	0.00	-0.03	CO7
182	S Ch DS2	P_x	1.25	0.00	24.53	0.00	0.00	0.05	CO7
			0.05	0.00	1.02	0.00	0.00	0.00	CO9
			0.05	0.00	1.02	0.00	0.00	0.00	CO9
		P_y	1.25	0.00	24.53	0.00	0.00	0.05	CO7
			1.25	0.00	24.53	0.00	0.00	0.05	CO7
			0.05	0.00	1.02	0.00	0.00	0.00	CO9
		P_z	0.41	0.00	8.08	0.00	0.00	0.02	CO6
			0.41	0.00	8.08	0.00	0.00	0.02	CO6
			0.41	0.00	8.08	0.00	0.00	0.02	CO6
		M_k	0.41	0.00	8.08	0.00	0.00	0.02	CO6
			0.41	0.00	8.08	0.00	0.00	0.02	CO6
			0.41	0.00	8.08	0.00	0.00	0.02	CO6
185	S Ch DS2	P_x	1.16	0.01	23.53	0.00	0.00	-0.20	CO7
			0.05	0.00	0.94	0.00	0.00	-0.02	CO9
			1.16	0.01	23.53	0.00	0.00	-0.20	CO7
		P_y	0.05	0.00	0.94	0.00	0.00	-0.02	CO9
			1.16	0.01	23.53	0.00	0.00	-0.20	CO7
			0.05	0.00	0.94	0.00	0.00	-0.02	CO9
		P_z	0.38	0.00	7.75	0.00	0.00	-0.07	CO6
			0.38	0.00	7.75	0.00	0.00	-0.07	CO6
			0.38	0.00	7.75	0.00	0.00	-0.07	CO6
		M_k	0.38	0.00	7.75	0.00	0.00	-0.07	CO6
			0.38	0.00	7.75	0.00	0.00	-0.07	CO6
			0.38	0.00	7.75	0.00	0.00	-0.07	CO6
188	S Ch DS2	P_x	1.53	-0.05	27.54	0.00	0.00	0.80	CO7
			0.07	-0.01	1.23	0.00	0.00	0.06	CO9
			1.53	-0.05	27.54	0.00	0.00	0.80	CO7
		P_y	0.07	-0.01	1.23	0.00	0.00	0.06	CO9
			1.53	-0.05	27.54	0.00	0.00	0.80	CO7
			0.07	-0.01	1.23	0.00	0.00	0.06	CO9
		P_z	0.51	-0.02	9.08	0.00	0.00	0.26	CO6
			0.51	-0.02	9.08	0.00	0.00	0.26	CO6
			0.51	-0.02	9.08	0.00	0.00	0.26	CO6
		M_k	0.51	-0.02	9.08	0.00	0.00	0.26	CO6
			0.51	-0.02	9.08	0.00	0.00	0.26	CO6
			0.51	-0.02	9.08	0.00	0.00	0.26	CO6
191	S Ch DS2	P_x	0.00	0.01	-0.03	0.00	0.00	0.00	CO9
			-0.02	0.02	-0.17	0.00	0.00	0.06	CO7
			-0.02	0.02	-0.17	0.00	0.00	0.06	CO7
		P_y	0.00	0.01	-0.03	0.00	0.00	0.00	CO9
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO6
			-0.01	0.02	-0.18	0.00	0.00	0.05	CO8
		P_z	-0.01	0.01	-0.02	0.00	0.00	0.02	CO6
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO6
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO6
		M_k	-0.01	0.01	-0.02	0.00	0.00	0.02	CO6
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO6
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO6
192	S Ch DS2	P_x	-0.13	0.05	0.49	0.00	0.00	0.13	CO9
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7
		P_y	-0.13	0.05	0.49	0.00	0.00	0.13	CO9
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7
		P_z	-0.13	0.05	0.49	0.00	0.00	0.13	CO9
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7
		M_k	-0.13	0.05	0.49	0.00	0.00	0.13	CO9
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7
			-1.47	0.25	10.48	0.00	0.00	1.64	CO7

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
192		M _k	-0.48	0.08	3.49	0.00	0.00	0.54	CO6
			-0.48	0.08	3.49	0.00	0.00	0.54	CO6
		M _y	-0.48	0.08	3.49	0.00	0.00	0.54	CO6
			-0.48	0.08	3.49	0.00	0.00	0.54	CO6
		M _z	-1.47	0.25	10.48	0.00	0.00	1.64	CO7
			-0.13	0.05	0.49	0.00	0.00	0.13	CO9
			-0.13	0.25	10.48	0.00	0.00	1.64	
			-1.47	0.05	0.49	0.00	0.00	0.13	
		Extremes							
193	SCh DS2	P _x	-0.05	-0.02	0.82	0.00	0.00	-0.05	CO9
			-0.73	-0.07	20.39	0.00	0.00	-0.67	CO7
		P _y	-0.05	-0.02	0.82	0.00	0.00	-0.05	CO9
			-0.73	-0.07	20.39	0.00	0.00	-0.67	CO7
		P _z	-0.73	-0.07	20.39	0.00	0.00	-0.67	CO7
			-0.05	-0.02	0.82	0.00	0.00	-0.05	CO9
		M _k	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO6
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO6
		M _y	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO6
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO6
		M _z	-0.05	-0.02	0.82	0.00	0.00	-0.05	CO9
			-0.73	-0.07	20.39	0.00	0.00	-0.67	CO7
		Extremes							
196	SCh DS2	P _x	-0.07	0.00	1.04	0.00	0.00	0.02	CO9
			-0.92	0.02	26.22	0.00	0.00	0.22	CO7
		P _y	-0.92	0.02	26.22	0.00	0.00	0.22	CO7
			-0.07	0.00	1.04	0.00	0.00	0.02	CO9
		P _z	-0.92	0.02	26.22	0.00	0.00	0.22	CO7
			-0.07	0.00	1.04	0.00	0.00	0.02	CO9
		M _k	-0.30	0.01	8.64	0.00	0.00	0.07	CO6
			-0.30	0.01	8.64	0.00	0.00	0.07	CO6
		M _y	-0.30	0.01	8.64	0.00	0.00	0.07	CO6
			-0.30	0.01	8.64	0.00	0.00	0.07	CO6
		M _z	-0.92	0.02	26.22	0.00	0.00	0.22	CO7
			-0.07	0.00	1.04	0.00	0.00	0.02	CO9
		Extremes							
199	SCh DS2	P _x	-0.07	0.00	0.97	0.00	0.00	0.00	CO9
			-0.83	0.00	25.03	0.00	0.00	-0.06	CO7
		P _y	-0.07	0.00	0.97	0.00	0.00	0.00	CO9
			-0.83	0.00	25.03	0.00	0.00	-0.06	CO7
		P _z	-0.83	0.00	25.03	0.00	0.00	-0.06	CO7
			-0.07	0.00	0.97	0.00	0.00	0.00	CO9
		M _k	-0.28	0.00	8.24	0.00	0.00	-0.02	CO6
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO6
		M _y	-0.28	0.00	8.24	0.00	0.00	-0.02	CO6
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO6
		M _z	-0.07	0.00	0.97	0.00	0.00	0.00	CO9
			-0.83	0.00	25.03	0.00	0.00	-0.06	CO7
		Extremes							
202	SCh DS2	P _x	-0.07	0.00	0.98	0.00	0.00	0.00	CO9
			-0.85	0.00	25.27	0.00	0.00	0.03	CO7
		P _y	-0.85	0.00	25.27	0.00	0.00	0.03	CO7
			-0.07	0.00	0.98	0.00	0.00	0.00	CO9
		P _z	-0.85	0.00	25.27	0.00	0.00	0.03	CO7
			-0.07	0.00	0.98	0.00	0.00	0.00	CO9
		M _k	-0.28	0.00	8.32	0.00	0.00	0.01	CO6
			-0.28	0.00	8.32	0.00	0.00	0.01	CO6
		M _y	-0.28	0.00	8.32	0.00	0.00	0.01	CO6
			-0.28	0.00	8.32	0.00	0.00	0.01	CO6
		M _z	-0.85	0.00	25.27	0.00	0.00	0.03	CO7
			-0.07	0.00	0.98	0.00	0.00	0.00	CO9
		Extremes							
205	SCh DS2	P _x	-0.07	0.00	1.00	0.00	0.00	0.00	CO9
			-0.87	0.00	25.46	0.00	0.00	-0.05	CO7
		P _y	-0.07	0.00	1.00	0.00	0.00	0.00	CO9
			-0.87	0.00	25.46	0.00	0.00	-0.05	CO7
		P _z	-0.87	0.00	25.46	0.00	0.00	-0.05	CO7
			-0.07	0.00	1.00	0.00	0.00	0.00	CO9
		M _k	-0.29	0.00	8.39	0.00	0.00	-0.02	CO6
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO6

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
205		M _y	-0.29	0.00	8.39	0.00	0.00	-0.02	CO6
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO6
		M _z	-0.07	0.00	1.00	0.00	0.00	0.00	CO9
			-0.87	0.00	25.46	0.00	0.00	-0.05	CO7
			-0.07	0.00	25.46	0.00	0.00	0.00	
			-0.87	0.00	1.00	0.00	0.00	-0.05	
208	SCh DS2	P _x	-0.06	0.00	0.93	0.00	0.00	0.02	CO9
			-0.79	0.01	24.40	0.00	0.00	0.20	CO7
		P _y	-0.79	0.01	24.40	0.00	0.00	0.20	CO7
			-0.06	0.00	0.93	0.00	0.00	0.02	CO9
		P _z	-0.79	0.01	24.40	0.00	0.00	0.20	CO7
			-0.06	0.00	0.93	0.00	0.00	0.02	CO9
		M _x	-0.26	0.00	8.04	0.00	0.00	0.07	CO6
			-0.26	0.00	8.04	0.00	0.00	0.07	CO6
		M _y	-0.26	0.00	8.04	0.00	0.00	0.07	CO6
			-0.26	0.00	8.04	0.00	0.00	0.07	CO6
		M _z	-0.79	0.01	24.40	0.00	0.00	0.20	CO7
			-0.06	0.00	0.93	0.00	0.00	0.02	CO9
		Extremes	-0.06	0.01	24.40	0.00	0.00	0.20	
			-0.79	0.00	0.93	0.00	0.00	0.02	
211	SCh DS2	P _x	-0.09	-0.01	1.19	0.00	0.00	-0.06	CO9
			-1.10	-0.06	28.66	0.00	0.00	-0.76	CO7
		P _y	-0.09	-0.01	1.19	0.00	0.00	-0.06	CO9
			-1.10	-0.06	28.66	0.00	0.00	-0.76	CO7
		P _z	-1.10	-0.06	28.66	0.00	0.00	-0.76	CO7
			-0.09	-0.01	1.19	0.00	0.00	-0.06	CO9
		M _x	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO6
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO6
		M _y	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO6
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO6
		M _z	-0.09	-0.01	1.19	0.00	0.00	-0.06	CO9
			-1.10	-0.06	28.66	0.00	0.00	-0.76	CO7
		Extremes	-0.09	-0.01	28.66	0.00	0.00	-0.06	
			-1.10	-0.06	1.19	0.00	0.00	-0.76	
214	SCh DS2	P _x	0.02	0.02	-0.17	0.00	0.00	-0.06	CO7
			0.00	0.01	-0.03	0.00	0.00	0.00	CO9
		P _y	0.02	0.02	-0.17	0.00	0.00	-0.06	CO7
			0.00	0.01	-0.03	0.00	0.00	0.00	CO9
		P _z	0.01	0.01	-0.02	0.00	0.00	-0.02	CO6
			0.01	0.02	-0.17	0.00	0.00	-0.05	CO8
		M _x	0.01	0.01	-0.02	0.00	0.00	-0.02	CO6
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO6
		M _y	0.01	0.01	-0.02	0.00	0.00	-0.02	CO6
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO6
		M _z	0.00	0.01	-0.03	0.00	0.00	0.00	CO9
			0.02	0.02	-0.17	0.00	0.00	-0.06	CO7
		Extremes	0.02	0.02	-0.02	0.00	0.00	0.00	
			0.00	0.01	-0.17	0.00	0.00	-0.06	
215	SCh DS2	P _x	1.47	0.25	10.48	0.00	0.00	-1.63	CO7
			0.13	0.05	0.49	0.00	0.00	-0.13	CO9
		P _y	1.47	0.25	10.48	0.00	0.00	-1.63	CO7
			0.13	0.05	0.49	0.00	0.00	-0.13	CO9
		P _z	1.47	0.25	10.48	0.00	0.00	-1.63	CO7
			0.13	0.05	0.49	0.00	0.00	-0.13	CO9
		M _x	0.48	0.08	3.49	0.00	0.00	-0.54	CO6
			0.48	0.08	3.49	0.00	0.00	-0.54	CO6
		M _y	0.48	0.08	3.49	0.00	0.00	-0.54	CO6
			0.48	0.08	3.49	0.00	0.00	-0.54	CO6
		M _z	0.13	0.05	0.49	0.00	0.00	-0.13	CO9
			1.47	0.25	10.48	0.00	0.00	-1.63	CO7
		Extremes	1.47	0.25	10.48	0.00	0.00	-0.13	
			0.13	0.05	0.49	0.00	0.00	-1.63	
216	SCh DS2	P _x	0.72	-0.07	20.38	0.00	0.00	0.67	CO7
			0.05	-0.02	0.82	0.00	0.00	0.05	CO9
		P _y	0.05	-0.02	0.82	0.00	0.00	0.05	CO9
			0.72	-0.07	20.38	0.00	0.00	0.67	CO7
		P _z	0.72	-0.07	20.38	0.00	0.00	0.67	CO7
			0.05	-0.02	0.82	0.00	0.00	0.05	CO9
		M _x	0.24	-0.02	6.72	0.00	0.00	0.22	CO6
			0.24	-0.02	6.72	0.00	0.00	0.22	CO6
		M _y	0.24	-0.02	6.72	0.00	0.00	0.22	CO6
			0.24	-0.02	6.72	0.00	0.00	0.22	CO6
		Extremes	0.24	-0.02	6.72	0.00	0.00	0.22	
			0.24	-0.02	6.72	0.00	0.00	0.22	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
216	Extremes 216	M_z	0.72	-0.07	20.38	0.00	0.00	0.67	CO7
			0.05	-0.02	0.82	0.00	0.00	0.05	CO9
			0.72	-0.02	20.38	0.00	0.00	0.67	
			0.05	-0.07	0.82	0.00	0.00	0.05	
219	S Ch DS2	P_x	0.92	0.02	26.22	0.00	0.00	-0.21	CO7
			0.07	0.00	1.04	0.00	0.00	-0.02	CO9
		P_y	0.92	0.02	26.22	0.00	0.00	-0.21	CO7
			0.07	0.00	1.04	0.00	0.00	-0.02	CO9
		P_z	0.92	0.02	26.22	0.00	0.00	-0.21	CO7
			0.07	0.00	1.04	0.00	0.00	-0.02	CO9
		M_k	0.30	0.01	8.64	0.00	0.00	-0.07	CO6
			0.30	0.01	8.64	0.00	0.00	-0.07	CO6
		M_y	0.30	0.01	8.64	0.00	0.00	-0.07	CO6
			0.30	0.01	8.64	0.00	0.00	-0.07	CO6
		M_z	0.07	0.00	1.04	0.00	0.00	-0.02	CO9
			0.92	0.02	26.22	0.00	0.00	-0.21	CO7
		Extremes 219	0.92	0.02	26.22	0.00	0.00	-0.02	
			0.07	0.00	1.04	0.00	0.00	-0.21	
222	S Ch DS2	P_x	0.83	0.00	25.03	0.00	0.00	0.06	CO7
			0.07	0.00	0.97	0.00	0.00	0.00	CO9
		P_y	0.83	0.00	25.03	0.00	0.00	0.06	CO7
			0.07	0.00	0.97	0.00	0.00	0.00	CO9
		P_z	0.83	0.00	25.03	0.00	0.00	0.06	CO7
			0.07	0.00	0.97	0.00	0.00	0.00	CO9
		M_k	0.28	0.00	8.25	0.00	0.00	0.02	CO6
			0.28	0.00	8.25	0.00	0.00	0.02	CO6
		M_y	0.28	0.00	8.25	0.00	0.00	0.02	CO6
			0.28	0.00	8.25	0.00	0.00	0.02	CO6
		M_z	0.83	0.00	25.03	0.00	0.00	0.06	CO7
			0.07	0.00	0.97	0.00	0.00	0.00	CO9
		Extremes 222	0.83	0.00	25.03	0.00	0.00	0.06	
			0.07	0.00	0.97	0.00	0.00	0.00	
225	S Ch DS2	P_x	0.85	0.00	25.27	0.00	0.00	-0.03	CO7
			0.07	0.00	0.98	0.00	0.00	0.00	CO9
		P_y	0.85	0.00	25.27	0.00	0.00	-0.03	CO7
			0.07	0.00	0.98	0.00	0.00	0.00	CO9
		P_z	0.85	0.00	25.27	0.00	0.00	-0.03	CO7
			0.07	0.00	0.98	0.00	0.00	0.00	CO9
		M_k	0.28	0.00	8.32	0.00	0.00	-0.01	CO6
			0.28	0.00	8.32	0.00	0.00	-0.01	CO6
		M_y	0.28	0.00	8.32	0.00	0.00	-0.01	CO6
			0.28	0.00	8.32	0.00	0.00	-0.01	CO6
		M_z	0.07	0.00	0.98	0.00	0.00	0.00	CO9
			0.85	0.00	25.27	0.00	0.00	-0.03	CO7
		Extremes 225	0.85	0.00	25.27	0.00	0.00	0.00	
			0.07	0.00	0.98	0.00	0.00	-0.03	
228	S Ch DS2	P_x	0.87	0.00	25.46	0.00	0.00	0.05	CO7
			0.07	0.00	1.00	0.00	0.00	0.00	CO9
		P_y	0.87	0.00	25.46	0.00	0.00	0.05	CO7
			0.07	0.00	1.00	0.00	0.00	0.00	CO9
		P_z	0.87	0.00	25.46	0.00	0.00	0.05	CO7
			0.07	0.00	1.00	0.00	0.00	0.00	CO9
		M_k	0.29	0.00	8.39	0.00	0.00	0.02	CO6
			0.29	0.00	8.39	0.00	0.00	0.02	CO6
		M_y	0.29	0.00	8.39	0.00	0.00	0.02	CO6
			0.29	0.00	8.39	0.00	0.00	0.02	CO6
		M_z	0.87	0.00	25.46	0.00	0.00	0.05	CO7
			0.07	0.00	1.00	0.00	0.00	0.00	CO9
		Extremes 228	0.87	0.00	25.46	0.00	0.00	0.05	
			0.07	0.00	1.00	0.00	0.00	0.00	
231	S Ch DS2	P_x	0.79	0.01	24.40	0.00	0.00	-0.20	CO7
			0.06	0.00	0.93	0.00	0.00	-0.02	CO9
		P_y	0.79	0.01	24.40	0.00	0.00	-0.20	CO7
			0.06	0.00	0.93	0.00	0.00	-0.02	CO9
		P_z	0.79	0.01	24.40	0.00	0.00	-0.20	CO7
			0.06	0.00	0.93	0.00	0.00	-0.02	CO9
		M_k	0.26	0.00	8.04	0.00	0.00	-0.06	CO6
			0.26	0.00	8.04	0.00	0.00	-0.06	CO6
		M_y	0.26	0.00	8.04	0.00	0.00	-0.06	CO6
			0.26	0.00	8.04	0.00	0.00	-0.06	CO6
		M_z	0.06	0.00	0.93	0.00	0.00	-0.02	CO9
			0.79	0.01	24.40	0.00	0.00	-0.20	CO7

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 231			0.79 0.06	0.01 0.00	24.40 0.93	0.00 0.00	0.00 0.00	-0.02 -0.20	
234	S Ch DS2	P _x	1.10 0.09	-0.06 -0.01	28.66 1.19	0.00 0.00	0.00 0.00	0.76 0.06	CO7 CO9
			0.09 1.10	-0.01 -0.06	1.19 28.66	0.00 0.00	0.00 0.00	0.06 0.76	CO9 CO7
		P _y	1.10 0.09	-0.06 -0.01	28.66 1.19	0.00 0.00	0.00 0.00	0.76 0.06	CO7 CO9
			0.09 1.10	-0.01 -0.06	1.19 28.66	0.00 0.00	0.00 0.00	0.06 0.76	CO9 CO7
		P _z	1.10 0.09	-0.06 -0.01	28.66 1.19	0.00 0.00	0.00 0.00	0.76 0.06	CO7 CO9
			0.09 1.10	-0.01 -0.06	1.19 28.66	0.00 0.00	0.00 0.00	0.06 0.76	CO9 CO7
		M _k	0.36 0.36	-0.02 -0.02	9.44 9.44	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
			0.36 0.36	-0.02 -0.02	9.44 9.44	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
		M _y	0.36 0.36	-0.02 -0.02	9.44 9.44	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
			0.36 0.36	-0.02 -0.02	9.44 9.44	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
		M _z	1.10 0.09	-0.06 -0.01	28.66 1.19	0.00 0.00	0.00 0.00	0.76 0.06	CO7 CO9
			0.09 1.10	-0.01 -0.06	1.19 28.66	0.00 0.00	0.00 0.00	0.06 0.76	CO9 CO7
		Extremes 234	0.09 0.06	-0.06 0.00	1.19 0.03	0.00 0.00	0.00 0.00	0.06 0.00	
237	S Ch DS2	P _x	1.26 0.06	0.02 0.00	0.47 0.03	0.00 0.00	0.00 0.00	0.02 0.00	CO7 CO9
			0.06 1.26	0.00 0.02	0.03 0.47	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
		P _y	1.26 0.06	0.02 0.00	0.47 0.03	0.00 0.00	0.00 0.00	0.02 0.00	CO7 CO9
			0.06 1.26	0.00 0.02	0.03 0.47	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
		P _z	1.26 0.06	0.02 0.00	0.47 0.03	0.00 0.00	0.00 0.00	0.02 0.00	CO7 CO9
			0.06 1.26	0.00 0.02	0.03 0.47	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
		M _k	0.43 0.43	0.01 0.01	0.19 0.19	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
			0.43 0.43	0.01 0.01	0.19 0.19	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
		M _y	0.43 0.43	0.01 0.01	0.19 0.19	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
			0.43 0.43	0.01 0.01	0.19 0.19	0.00 0.00	0.00 0.00	0.01 0.01	CO6 CO6
		M _z	1.26 0.06	0.02 0.00	0.47 0.03	0.00 0.00	0.00 0.00	0.02 0.00	CO7 CO9
			0.06 1.26	0.00 0.02	0.03 0.47	0.00 0.00	0.00 0.00	0.00 0.02	CO9 CO7
		Extremes 237	0.06 0.00	0.00 0.00	0.03 0.00	0.00 0.00	0.00 0.00	0.00 0.00	
238	S Ch DS2	P _x	0.18 0.04	0.07 0.07	2.69 3.13	0.00 0.00	0.00 0.00	0.22 0.25	CO10 CO6
			0.10 0.15	0.22 0.00	9.39 -0.44	0.00 0.00	0.00 0.00	0.75 -0.03	CO7 CO9
		P _y	0.10 0.15	0.22 0.00	9.39 -0.44	0.00 0.00	0.00 0.00	0.75 -0.03	CO7 CO9
			0.15 0.10	0.00 0.22	-0.44 9.39	0.00 0.00	0.00 0.00	-0.03 0.75	CO9 CO7
		P _z	0.10 0.15	0.22 0.00	9.39 -0.44	0.00 0.00	0.00 0.00	0.75 -0.03	CO7 CO9
			0.15 0.10	0.00 0.22	-0.44 9.39	0.00 0.00	0.00 0.00	-0.03 0.75	CO9 CO7
		M _k	0.04 0.04	0.07 0.07	3.13 3.13	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
			0.04 0.04	0.07 0.07	3.13 3.13	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
		M _y	0.04 0.04	0.07 0.07	3.13 3.13	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
			0.04 0.04	0.07 0.07	3.13 3.13	0.00 0.00	0.00 0.00	0.25 0.25	CO6 CO6
		M _z	0.10 0.15	0.22 0.00	9.39 -0.44	0.00 0.00	0.00 0.00	0.75 -0.03	CO7 CO9
			0.15 0.10	0.00 0.22	-0.44 9.39	0.00 0.00	0.00 0.00	-0.03 0.75	CO9 CO7
		Extremes 238	0.18 0.04	0.07 0.00	2.69 -0.44	0.00 0.00	0.00 0.00	0.22 -0.03	
239	S Ch DS2	P _x	2.83 0.04	-0.07 0.00	19.21 -1.02	0.00 0.00	0.00 0.00	-0.31 0.02	CO7 CO9
			0.04 2.83	0.00 -0.07	-1.02 19.21	0.00 0.00	0.00 0.00	0.02 -0.31	CO9 CO7
		P _y	0.04 2.83	0.00 -0.07	-1.02 19.21	0.00 0.00	0.00 0.00	0.02 -0.31	CO9 CO7
			2.83 0.04	-0.07 0.00	19.21 -1.02	0.00 0.00	0.00 0.00	-0.31 0.02	CO7 CO9
		P _z	2.83 0.04	-0.07 0.00	19.21 -1.02	0.00 0.00	0.00 0.00	-0.31 0.02	CO7 CO9
			0.04 2.83	0.00 -0.07	-1.02 19.21	0.00 0.00	0.00 0.00	0.02 -0.31	CO9 CO7
		M _k	0.90 0.90	-0.02 -0.02	6.33 6.33	0.00 0.00	0.00 0.00	-0.10 -0.10	CO6 CO6
			0.90 0.90	-0.02 -0.02	6.33 6.33	0.00 0.00	0.00 0.00	-0.10 -0.10	CO6 CO6
		M _y	0.90 0.90	-0.02 -0.02	6.33 6.33	0.00 0.00	0.00 0.00	-0.10 -0.10	CO6 CO6
			0.90 0.90	-0.02 -0.02	6.33 6.33	0.00 0.00	0.00 0.00	-0.10 -0.10	CO6 CO6
		M _z	0.04 2.83	0.00 -0.07	-1.02 19.21	0.00 0.00	0.00 0.00	0.02 -0.31	CO9 CO7
			2.83 0.04	-0.07 0.00	19.21 -1.02	0.00 0.00	0.00 0.00	-0.31 0.02	CO7 CO9
		Extremes 239	0.04 0.00	-0.07 0.00	-1.02 19.21	0.00 0.00	0.00 0.00	-0.31 0.02	
242	S Ch DS2	P _x	2.44 0.11	0.02 0.00	24.66 -1.34	0.00 0.00	0.00 0.00	0.11 0.00	CO7 CO9
			0.11 2.44	0.00 0.02	-1.34 24.66	0.00 0.00	0.00 0.00	0.00 0.11	CO9 CO7
		P _y	2.44 0.11	0.02 0.00	24.66 -1.34	0.00 0.00	0.00 0.00	0.11 0.00	CO7 CO9
			0.11 2.44	0.00 0.02	-1.34 24.66	0.00 0.00	0.00 0.00	0.00 0.11	CO9 CO7
		P _z	2.44 0.11	0.02 0.00	24.66 -1.34	0.00 0.00	0.00 0.00	0.11 0.00	CO7 CO9
			0.11 2.44	0.00 0.02	-1.34 24.66	0.00 0.00	0.00 0.00	0.00 0.11	CO9 CO7
		M _k	0.78 0.78	0.01 0.01	8.12 8.12	0.00 0.00	0.00 0.00	0.04 0.04	CO6 CO6
			0.78 0.78	0.01 0.01	8.12 8.12	0.00 0.00	0.00 0.00	0.04 0.04	CO6 CO6
		M _y	0.78 0.78	0.01 0.01	8.12 8.12	0.00 0.00	0.00 0.00	0.04 0.04	CO6 CO6
			0.78 0.78	0.01 0.01	8.12 8.12	0.00 0.00	0.00 0.00	0.04 0.04	CO6 CO6
		M _z	2.44 0.11	0.02 0.00	24.66 -1.34	0.00 0.00	0.00 0.00	0.11 0.00	CO7 CO9
			0.11 2.44	0.00 0.02	-1.34 24.66	0.00 0.00	0.00 0.00	0.00 0.11	CO9 CO7
		Extremes 242	2.44 0.11	0.02 0.00	24.66 -1.34	0.00 0.00	0.00 0.00	0.11 0.00	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
245	S Ch DS2	P _x	2.55	0.00	23.81	0.00	0.00	-0.03	CO7
			0.10	0.00	-1.29	0.00	0.00	0.00	CO9
		P _y	0.10	0.00	-1.29	0.00	0.00	0.00	CO9
			2.55	0.00	23.81	0.00	0.00	-0.03	CO7
		P _z	2.55	0.00	23.81	0.00	0.00	-0.03	CO7
			0.10	0.00	-1.29	0.00	0.00	0.00	CO9
		M _k	0.81	0.00	7.84	0.00	0.00	-0.01	CO6
			0.81	0.00	7.84	0.00	0.00	-0.01	CO6
		M _y	0.81	0.00	7.84	0.00	0.00	-0.01	CO6
			0.81	0.00	7.84	0.00	0.00	-0.01	CO6
		M _z	0.10	0.00	-1.29	0.00	0.00	0.00	CO9
			2.55	0.00	23.81	0.00	0.00	-0.03	CO7
		Extremes	2.55	0.00	23.81	0.00	0.00	0.00	
			0.10	0.00	-1.29	0.00	0.00	-0.03	
248	S Ch DS2	P _x	2.53	0.00	23.97	0.00	0.00	0.01	CO7
			0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		P _y	2.53	0.00	23.97	0.00	0.00	0.01	CO7
			0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		P _z	2.53	0.00	23.97	0.00	0.00	0.01	CO7
			0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		M _k	0.81	0.00	7.89	0.00	0.00	0.00	CO6
			0.81	0.00	7.89	0.00	0.00	0.00	CO6
		M _y	0.81	0.00	7.89	0.00	0.00	0.00	CO6
			0.81	0.00	7.89	0.00	0.00	0.00	CO6
		M _z	2.53	0.00	23.97	0.00	0.00	0.01	CO7
			0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		Extremes	2.53	0.00	23.97	0.00	0.00	0.01	
			0.10	0.00	-1.30	0.00	0.00	0.00	
251	S Ch DS2	P _x	2.51	0.00	24.09	0.00	0.00	-0.02	CO7
			0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		P _y	0.10	0.00	-1.30	0.00	0.00	0.00	CO9
			2.51	0.00	24.09	0.00	0.00	-0.02	CO7
		P _z	2.51	0.00	24.09	0.00	0.00	-0.02	CO7
			0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		M _k	0.80	0.00	7.93	0.00	0.00	-0.01	CO6
			0.80	0.00	7.93	0.00	0.00	-0.01	CO6
		M _y	0.80	0.00	7.93	0.00	0.00	-0.01	CO6
			0.80	0.00	7.93	0.00	0.00	-0.01	CO6
		M _z	0.10	0.00	-1.30	0.00	0.00	0.00	CO9
			2.51	0.00	24.09	0.00	0.00	-0.02	CO7
		Extremes	2.51	0.00	24.09	0.00	0.00	0.00	
			0.10	0.00	-1.30	0.00	0.00	-0.02	
254	S Ch DS2	P _x	2.62	0.02	23.42	0.00	0.00	0.09	CO7
			0.11	0.00	-1.28	0.00	0.00	0.00	CO9
		P _y	2.62	0.02	23.42	0.00	0.00	0.09	CO7
			0.11	0.00	-1.28	0.00	0.00	0.00	CO9
		P _z	2.62	0.02	23.42	0.00	0.00	0.09	CO7
			0.11	0.00	-1.28	0.00	0.00	0.00	CO9
		M _k	0.84	0.01	7.71	0.00	0.00	0.03	CO6
			0.84	0.01	7.71	0.00	0.00	0.03	CO6
		M _y	0.84	0.01	7.71	0.00	0.00	0.03	CO6
			0.84	0.01	7.71	0.00	0.00	0.03	CO6
		M _z	2.62	0.02	23.42	0.00	0.00	0.09	CO7
			0.11	0.00	-1.28	0.00	0.00	0.00	CO9
		Extremes	2.62	0.02	23.42	0.00	0.00	0.09	
			0.11	0.00	-1.28	0.00	0.00	0.00	
257	S Ch DS2	P _x	2.19	-0.07	26.34	0.00	0.00	-0.38	CO7
			0.11	0.00	-1.41	0.00	0.00	0.01	CO9
		P _y	0.11	0.00	-1.41	0.00	0.00	0.01	CO9
			2.19	-0.07	26.34	0.00	0.00	-0.38	CO7
		P _z	2.19	-0.07	26.34	0.00	0.00	-0.38	CO7
			0.11	0.00	-1.41	0.00	0.00	0.01	CO9
		M _k	0.70	-0.02	8.67	0.00	0.00	-0.13	CO6
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO6
		M _y	0.70	-0.02	8.67	0.00	0.00	-0.13	CO6
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO6
		M _z	0.11	0.00	-1.41	0.00	0.00	0.01	CO9
			2.19	-0.07	26.34	0.00	0.00	-0.38	CO7
		Extremes	2.19	-0.07	26.34	0.00	0.00	0.01	
			0.11	-0.07	-1.41	0.00	0.00	-0.38	
260	S Ch DS2	P _x	-0.06	0.00	0.03	0.00	0.00	0.00	CO9
			-1.26	0.02	0.47	0.00	0.00	-0.02	CO7

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
260		P _y	-1.26	0.02	0.47	0.00	0.00	-0.02	CO7
			-0.06	0.00	0.03	0.00	0.00	0.00	CO9
		P _z	-1.26	0.02	0.47	0.00	0.00	-0.02	CO7
			-0.06	0.00	0.03	0.00	0.00	0.00	CO9
		M _k	-0.43	0.01	0.19	0.00	0.00	-0.01	CO6
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO6
		M _y	-0.43	0.01	0.19	0.00	0.00	-0.01	CO6
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO6
		M _z	-0.06	0.00	0.03	0.00	0.00	0.00	CO9
			-1.26	0.02	0.47	0.00	0.00	-0.02	CO7
Extremes 260			-0.06	0.02	0.47	0.00	0.00	0.00	
			-1.26	0.00	0.03	0.00	0.00	-0.02	
261	S Ch DS2	P _x	-0.04	0.07	3.13	0.00	0.00	-0.25	CO6
			-0.18	0.07	2.69	0.00	0.00	-0.22	CO10
		P _y	-0.10	0.22	9.39	0.00	0.00	-0.75	CO7
			-0.15	0.00	-0.44	0.00	0.00	0.03	CO9
		P _z	-0.10	0.22	9.39	0.00	0.00	-0.75	CO7
			-0.15	0.00	-0.44	0.00	0.00	0.03	CO9
		M _k	-0.04	0.07	3.13	0.00	0.00	-0.25	CO6
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO6
		M _y	-0.04	0.07	3.13	0.00	0.00	-0.25	CO6
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO6
M _z	-0.15	0.00	-0.44	0.00	0.00	0.03	CO9		
	-0.10	0.22	9.39	0.00	0.00	-0.75	CO7		
Extremes 261			-0.04	0.22	9.39	0.00	0.00	0.03	
			-0.18	0.00	-0.44	0.00	0.00	-0.75	
262	S Ch DS2	P _x	-0.04	0.00	-1.02	0.00	0.00	-0.02	CO9
			-2.83	-0.07	19.21	0.00	0.00	0.31	CO7
		P _y	-0.04	0.00	-1.02	0.00	0.00	-0.02	CO9
			-2.83	-0.07	19.21	0.00	0.00	0.31	CO7
		P _z	-2.83	-0.07	19.21	0.00	0.00	0.31	CO7
			-0.04	0.00	-1.02	0.00	0.00	-0.02	CO9
		M _k	-0.90	-0.02	6.33	0.00	0.00	0.10	CO6
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO6
		M _y	-0.90	-0.02	6.33	0.00	0.00	0.10	CO6
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO6
M _z	-2.83	-0.07	19.21	0.00	0.00	0.31	CO7		
	-0.04	0.00	-1.02	0.00	0.00	-0.02	CO9		
Extremes 262			-0.04	0.00	19.21	0.00	0.00	0.31	
			-2.83	-0.07	-1.02	0.00	0.00	-0.02	
265	S Ch DS2	P _x	-0.11	0.00	-1.34	0.00	0.00	0.00	CO9
			-2.44	0.02	24.66	0.00	0.00	-0.11	CO7
		P _y	-2.44	0.02	24.66	0.00	0.00	-0.11	CO7
			-0.11	0.00	-1.34	0.00	0.00	0.00	CO9
		P _z	-2.44	0.02	24.66	0.00	0.00	-0.11	CO7
			-0.11	0.00	-1.34	0.00	0.00	0.00	CO9
		M _k	-0.78	0.01	8.12	0.00	0.00	-0.04	CO6
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO6
		M _y	-0.78	0.01	8.12	0.00	0.00	-0.04	CO6
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO6
M _z	-0.11	0.00	-1.34	0.00	0.00	0.00	CO9		
	-2.44	0.02	24.66	0.00	0.00	-0.11	CO7		
Extremes 265			-0.11	0.02	24.66	0.00	0.00	0.00	
			-2.44	0.00	-1.34	0.00	0.00	-0.11	
268	S Ch DS2	P _x	-0.10	0.00	-1.29	0.00	0.00	0.00	CO9
			-2.55	0.00	23.81	0.00	0.00	0.03	CO7
		P _y	-0.10	0.00	-1.29	0.00	0.00	0.00	CO9
			-2.55	0.00	23.81	0.00	0.00	0.03	CO7
		P _z	-2.55	0.00	23.81	0.00	0.00	0.03	CO7
			-0.10	0.00	-1.29	0.00	0.00	0.00	CO9
		M _k	-0.81	0.00	7.84	0.00	0.00	0.01	CO6
			-0.81	0.00	7.84	0.00	0.00	0.01	CO6
		M _y	-0.81	0.00	7.84	0.00	0.00	0.01	CO6
			-0.81	0.00	7.84	0.00	0.00	0.01	CO6
M _z	-2.55	0.00	23.81	0.00	0.00	0.03	CO7		
	-0.10	0.00	-1.29	0.00	0.00	0.00	CO9		
Extremes 268			-0.10	0.00	23.81	0.00	0.00	0.03	
			-2.55	0.00	-1.29	0.00	0.00	0.00	
271	S Ch DS2	P _x	-0.10	0.00	-1.30	0.00	0.00	0.00	CO9
			-2.53	0.00	23.98	0.00	0.00	-0.01	CO7
		P _y	-2.53	0.00	23.98	0.00	0.00	-0.01	CO7
			-0.10	0.00	-1.30	0.00	0.00	0.00	CO9

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
271		P _z	-2.53	0.00	23.98	0.00	0.00	-0.01	CO7
			-0.10	0.00	-1.30	0.00	0.00	0.00	CO9
			-0.81	0.00	7.89	0.00	0.00	0.00	CO6
		M _k	-0.81	0.00	7.89	0.00	0.00	0.00	CO6
			-0.81	0.00	7.89	0.00	0.00	0.00	CO6
			-0.81	0.00	7.89	0.00	0.00	0.00	CO6
		M _y	-0.10	0.00	-1.30	0.00	0.00	0.00	CO9
			-2.53	0.00	23.98	0.00	0.00	-0.01	CO7
			-0.10	0.00	23.98	0.00	0.00	0.00	CO9
		M _z	-2.53	0.00	-1.30	0.00	0.00	-0.01	CO7
			-0.10	0.00	-1.30	0.00	0.00	0.00	CO9
			-0.81	0.00	7.89	0.00	0.00	0.00	CO6
274	S Ch DS2	P _x	-0.10	0.00	-1.30	0.00	0.00	0.00	CO9
			-2.51	0.00	24.09	0.00	0.00	0.02	CO7
			-0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		P _y	-2.51	0.00	24.09	0.00	0.00	0.02	CO7
			-2.51	0.00	24.09	0.00	0.00	0.02	CO7
			-0.10	0.00	-1.30	0.00	0.00	0.00	CO9
		P _z	-0.80	0.00	7.93	0.00	0.00	0.01	CO6
			-0.80	0.00	7.93	0.00	0.00	0.01	CO6
			-0.80	0.00	7.93	0.00	0.00	0.01	CO6
		M _k	-0.80	0.00	7.93	0.00	0.00	0.01	CO6
			-0.80	0.00	7.93	0.00	0.00	0.01	CO6
			-0.80	0.00	7.93	0.00	0.00	0.01	CO6
277	S Ch DS2	P _x	-0.11	0.00	-1.28	0.00	0.00	0.00	CO9
			-2.62	0.02	23.42	0.00	0.00	-0.09	CO7
			-2.62	0.02	23.42	0.00	0.00	-0.09	CO7
		P _y	-0.11	0.00	-1.28	0.00	0.00	0.00	CO9
			-2.62	0.02	23.42	0.00	0.00	-0.09	CO7
			-2.62	0.02	23.42	0.00	0.00	-0.09	CO7
		P _z	-0.11	0.00	-1.28	0.00	0.00	0.00	CO9
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO6
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO6
		M _k	-0.84	0.01	7.71	0.00	0.00	-0.03	CO6
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO6
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO6
280	S Ch DS2	P _x	-0.11	0.00	-1.41	0.00	0.00	-0.01	CO9
			-2.19	-0.07	26.34	0.00	0.00	0.38	CO7
			-2.19	-0.07	26.34	0.00	0.00	0.38	CO7
		P _y	-0.11	0.00	-1.41	0.00	0.00	-0.01	CO9
			-2.19	-0.07	26.34	0.00	0.00	0.38	CO7
			-2.19	-0.07	26.34	0.00	0.00	0.38	CO7
		P _z	-0.11	0.00	-1.41	0.00	0.00	-0.01	CO9
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO6
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO6
		M _k	-0.70	-0.02	8.67	0.00	0.00	0.13	CO6
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO6
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO6
283	S Ch DS2	P _x	0.01	-0.20	-0.16	0.00	0.00	-0.08	CO8
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO6
			0.01	-0.04	-0.04	0.00	0.00	-0.02	CO9
		P _y	0.01	-0.22	-0.14	0.00	0.00	-0.08	CO7
			0.01	-0.07	-0.01	0.00	0.00	-0.03	CO6
			0.01	-0.20	-0.16	0.00	0.00	-0.08	CO8
		P _z	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO6
			0.01	-0.07	-0.01	0.00	0.00	-0.03	CO6
			0.01	-0.07	-0.01	0.00	0.00	-0.03	CO6
		M _k	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO6
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO6
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO6
285	S Ch DS2	P _x	0.06	0.00	1.18	0.00	0.00	-0.03	CO9
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
		P _y	0.06	0.00	1.18	0.00	0.00	-0.03	CO9
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
		P _z	0.06	0.00	1.18	0.00	0.00	-0.03	CO9
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
		M _k	0.06	0.00	1.18	0.00	0.00	-0.03	CO9
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
285		M_k	-0.11	0.01	7.04	0.00	0.00	-0.24	CO6
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO6
		M_y	-0.11	0.01	7.04	0.00	0.00	-0.24	CO6
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO6
		M_z	0.06	0.00	1.18	0.00	0.00	-0.03	CO9
			-0.32	0.05	21.36	0.00	0.00	-0.72	CO7
		Extremes	0.06	0.05	21.36	0.00	0.00	-0.03	
			-0.32	0.00	1.18	0.00	0.00	-0.72	
288	SCh DS2	P_x	-0.02	0.00	1.02	0.00	0.00	0.00	CO9
			-1.14	0.01	24.82	0.00	0.00	0.19	CO7
		P_y	-1.14	0.01	24.82	0.00	0.00	0.19	CO7
			-0.02	0.00	1.02	0.00	0.00	0.00	CO9
		P_z	-1.14	0.01	24.82	0.00	0.00	0.19	CO7
			-0.02	0.00	1.02	0.00	0.00	0.00	CO9
		M_k	-0.37	0.00	8.18	0.00	0.00	0.06	CO6
			-0.37	0.00	8.18	0.00	0.00	0.06	CO6
		M_y	-0.37	0.00	8.18	0.00	0.00	0.06	CO6
			-0.37	0.00	8.18	0.00	0.00	0.06	CO6
		M_z	-1.14	0.01	24.82	0.00	0.00	0.19	CO7
			-0.02	0.00	1.02	0.00	0.00	0.00	CO9
		Extremes	-0.02	0.01	24.82	0.00	0.00	0.19	
			-1.14	0.00	1.02	0.00	0.00	0.00	
291	SCh DS2	P_x	-0.01	0.00	1.02	0.00	0.00	-0.01	CO9
			-1.02	0.00	24.53	0.00	0.00	-0.13	CO7
		P_y	-1.02	0.00	24.53	0.00	0.00	-0.13	CO7
			-0.01	0.00	1.02	0.00	0.00	-0.01	CO9
		P_z	-1.02	0.00	24.53	0.00	0.00	-0.13	CO7
			-0.01	0.00	1.02	0.00	0.00	-0.01	CO9
		M_k	-0.34	0.00	8.09	0.00	0.00	-0.04	CO6
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO6
		M_y	-0.34	0.00	8.09	0.00	0.00	-0.04	CO6
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO6
		M_z	-0.01	0.00	1.02	0.00	0.00	-0.01	CO9
			-1.02	0.00	24.53	0.00	0.00	-0.13	CO7
		Extremes	-0.01	0.00	24.53	0.00	0.00	-0.01	
			-1.02	0.00	1.02	0.00	0.00	-0.13	
294	SCh DS2	P_x	-0.01	0.00	1.01	0.00	0.00	0.00	CO9
			-0.92	-0.01	23.01	0.00	0.00	0.33	CO7
		P_y	-0.01	0.00	1.01	0.00	0.00	0.00	CO9
			-0.92	-0.01	23.01	0.00	0.00	0.33	CO7
		P_z	-0.92	-0.01	23.01	0.00	0.00	0.33	CO7
			-0.01	0.00	1.01	0.00	0.00	0.00	CO9
		M_k	-0.30	0.00	7.59	0.00	0.00	0.11	CO6
			-0.30	0.00	7.59	0.00	0.00	0.11	CO6
		M_y	-0.30	0.00	7.59	0.00	0.00	0.11	CO6
			-0.30	0.00	7.59	0.00	0.00	0.11	CO6
		M_z	-0.92	-0.01	23.01	0.00	0.00	0.33	CO7
			-0.01	0.00	1.01	0.00	0.00	0.00	CO9
		Extremes	-0.01	0.00	23.01	0.00	0.00	0.33	
			-0.92	-0.01	1.01	0.00	0.00	0.00	
297	SCh DS2	P_x	-0.02	-0.01	1.10	0.00	0.00	-0.03	CO9
			-1.32	0.03	29.01	0.00	0.00	-1.46	CO7
		P_y	-1.32	0.03	29.01	0.00	0.00	-1.46	CO7
			-0.02	-0.01	1.10	0.00	0.00	-0.03	CO9
		P_z	-1.32	0.03	29.01	0.00	0.00	-1.46	CO7
			-0.02	-0.01	1.10	0.00	0.00	-0.03	CO9
		M_k	-0.44	0.01	9.55	0.00	0.00	-0.48	CO6
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO6
		M_y	-0.44	0.01	9.55	0.00	0.00	-0.48	CO6
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO6
		M_z	-0.02	-0.01	1.10	0.00	0.00	-0.03	CO9
			-1.32	0.03	29.01	0.00	0.00	-1.46	CO7
		Extremes	-0.02	0.03	29.01	0.00	0.00	-0.03	
			-1.32	-0.01	1.10	0.00	0.00	-1.46	
301	SCh DS2	P_x	0.03	0.04	1.23	0.00	0.00	0.05	CO9
			-0.55	0.12	24.07	0.00	0.00	2.91	CO7
		P_y	-0.55	0.12	24.07	0.00	0.00	2.91	CO7
			0.03	0.04	1.23	0.00	0.00	0.05	CO9
		P_z	-0.55	0.12	24.07	0.00	0.00	2.91	CO7
			0.03	0.04	1.23	0.00	0.00	0.05	CO9
		M_k	-0.19	0.04	7.97	0.00	0.00	0.94	CO6
			-0.19	0.04	7.97	0.00	0.00	0.94	CO6

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
301		M _y	-0.19	0.04	7.97	0.00	0.00	0.94	CO6
			-0.19	0.04	7.97	0.00	0.00	0.94	CO6
		M _z	-0.55	0.12	24.07	0.00	0.00	2.91	CO7
			0.03	0.04	1.23	0.00	0.00	0.05	CO9
			0.03	0.12	24.07	0.00	0.00	2.91	
			-0.55	0.04	1.23	0.00	0.00	0.05	
326	S Ch DS2	P _x	0.02	-0.03	0.44	0.00	0.00	-0.05	CO8
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO6
		P _y	0.01	0.00	0.18	0.00	0.00	-0.01	CO9
			0.01	-0.03	0.44	0.00	0.00	-0.06	CO7
		P _z	0.02	-0.03	0.44	0.00	0.00	-0.05	CO8
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO6
		M _x	0.00	-0.01	0.17	0.00	0.00	-0.02	CO6
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO6
		M _y	0.00	-0.01	0.17	0.00	0.00	-0.02	CO6
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO6
		M _z	0.01	0.00	0.18	0.00	0.00	-0.01	CO9
			0.01	-0.03	0.44	0.00	0.00	-0.06	CO7
		Extremes 326	0.02	0.00	0.44	0.00	0.00	-0.01	
			0.00	-0.03	0.17	0.00	0.00	-0.06	
327	S Ch DS2	P _x	0.73	0.09	15.43	0.00	0.00	0.65	CO7
			0.16	0.01	2.91	0.00	0.00	0.12	CO9
		P _y	0.73	0.09	15.43	0.00	0.00	0.65	CO7
			0.16	0.01	2.91	0.00	0.00	0.12	CO9
		P _z	0.73	0.09	15.43	0.00	0.00	0.65	CO7
			0.16	0.01	2.91	0.00	0.00	0.12	CO9
		M _x	0.24	0.03	5.07	0.00	0.00	0.21	CO6
			0.24	0.03	5.07	0.00	0.00	0.21	CO6
		M _y	0.24	0.03	5.07	0.00	0.00	0.21	CO6
			0.24	0.03	5.07	0.00	0.00	0.21	CO6
		M _z	0.73	0.09	15.43	0.00	0.00	0.65	CO7
			0.16	0.01	2.91	0.00	0.00	0.12	CO9
		Extremes 327	0.73	0.09	15.43	0.00	0.00	0.65	
			0.16	0.01	2.91	0.00	0.00	0.12	
330	S Ch DS2	P _x	1.02	-0.03	19.78	0.00	0.00	-0.14	CO7
			0.22	0.00	3.76	0.00	0.00	-0.02	CO9
		P _y	0.22	0.00	3.76	0.00	0.00	-0.02	CO9
			1.02	-0.03	19.78	0.00	0.00	-0.14	CO7
		P _z	1.02	-0.03	19.78	0.00	0.00	-0.14	CO7
			0.22	0.00	3.76	0.00	0.00	-0.02	CO9
		M _x	0.33	-0.01	6.50	0.00	0.00	-0.05	CO6
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO6
		M _y	0.33	-0.01	6.50	0.00	0.00	-0.05	CO6
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO6
		M _z	0.22	0.00	3.76	0.00	0.00	-0.02	CO9
			1.02	-0.03	19.78	0.00	0.00	-0.14	CO7
		Extremes 330	1.02	0.00	19.78	0.00	0.00	-0.02	
			0.22	-0.03	3.76	0.00	0.00	-0.14	
333	S Ch DS2	P _x	0.97	0.01	19.18	0.00	0.00	0.03	CO7
			0.21	0.00	3.66	0.00	0.00	0.00	CO9
		P _y	0.97	0.01	19.18	0.00	0.00	0.03	CO7
			0.21	0.00	3.66	0.00	0.00	0.00	CO9
		P _z	0.97	0.01	19.18	0.00	0.00	0.03	CO7
			0.21	0.00	3.66	0.00	0.00	0.00	CO9
		M _x	0.32	0.00	6.30	0.00	0.00	0.01	CO6
			0.32	0.00	6.30	0.00	0.00	0.01	CO6
		M _y	0.32	0.00	6.30	0.00	0.00	0.01	CO6
			0.32	0.00	6.30	0.00	0.00	0.01	CO6
		M _z	0.97	0.01	19.18	0.00	0.00	0.03	CO7
			0.21	0.00	3.66	0.00	0.00	0.00	CO9
		Extremes 333	0.97	0.01	19.18	0.00	0.00	0.03	
			0.21	0.00	3.66	0.00	0.00	0.00	
336	S Ch DS2	P _x	0.98	0.00	19.29	0.00	0.00	-0.01	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
		P _y	0.21	0.00	3.68	0.00	0.00	0.00	CO9
			0.98	0.00	19.29	0.00	0.00	-0.01	CO7
		P _z	0.98	0.00	19.29	0.00	0.00	-0.01	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
		M _x	0.32	0.00	6.34	0.00	0.00	0.00	CO6
			0.32	0.00	6.34	0.00	0.00	0.00	CO6
		M _y	0.32	0.00	6.34	0.00	0.00	0.00	CO6
			0.32	0.00	6.34	0.00	0.00	0.00	CO6

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
336 Extremes 336		M _z	0.21	0.00	3.68	0.00	0.00	0.00	CO9
			0.98	0.00	19.29	0.00	0.00	-0.01	CO7
			0.98	0.00	19.29	0.00	0.00	0.00	
			0.21	0.00	3.68	0.00	0.00	-0.01	
339 Extremes 339	S Ch DS2	P _x	0.98	0.01	19.36	0.00	0.00	0.03	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
		P _y	0.98	0.01	19.36	0.00	0.00	0.03	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
		P _z	0.98	0.01	19.36	0.00	0.00	0.03	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
		M _k	0.32	0.00	6.36	0.00	0.00	0.01	CO6
			0.32	0.00	6.36	0.00	0.00	0.01	CO6
		M _y	0.32	0.00	6.36	0.00	0.00	0.01	CO6
			0.32	0.00	6.36	0.00	0.00	0.01	CO6
		M _z	0.98	0.01	19.36	0.00	0.00	0.03	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
			0.98	0.01	19.36	0.00	0.00	0.03	
			0.21	0.00	3.68	0.00	0.00	0.00	
			0.98	0.01	19.36	0.00	0.00	0.03	
			0.21	0.00	3.68	0.00	0.00	0.00	
342 Extremes 342	S Ch DS2	P _x	0.95	-0.02	18.91	0.00	0.00	-0.11	CO7
			0.21	0.00	3.62	0.00	0.00	-0.01	CO9
		P _y	0.95	-0.02	18.91	0.00	0.00	-0.11	CO7
			0.21	0.00	3.62	0.00	0.00	-0.01	CO9
		P _z	0.95	-0.02	18.91	0.00	0.00	-0.11	CO7
			0.21	0.00	3.62	0.00	0.00	-0.01	CO9
		M _k	0.31	-0.01	6.21	0.00	0.00	-0.04	CO6
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO6
		M _y	0.31	-0.01	6.21	0.00	0.00	-0.04	CO6
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO6
		M _z	0.95	-0.02	18.91	0.00	0.00	-0.11	CO7
			0.21	0.00	3.62	0.00	0.00	-0.01	CO9
345 Extremes 345	S Ch DS2	P _x	1.11	0.09	20.98	0.00	0.00	0.48	CO7
			0.23	0.01	3.94	0.00	0.00	0.07	CO9
		P _y	1.11	0.09	20.98	0.00	0.00	0.48	CO7
			0.23	0.01	3.94	0.00	0.00	0.07	CO9
		P _z	1.11	0.09	20.98	0.00	0.00	0.48	CO7
			0.23	0.01	3.94	0.00	0.00	0.07	CO9
		M _k	0.36	0.03	6.89	0.00	0.00	0.16	CO6
			0.36	0.03	6.89	0.00	0.00	0.16	CO6
		M _y	0.36	0.03	6.89	0.00	0.00	0.16	CO6
			0.36	0.03	6.89	0.00	0.00	0.16	CO6
		M _z	1.11	0.09	20.98	0.00	0.00	0.48	CO7
			0.23	0.01	3.94	0.00	0.00	0.07	CO9
348 Extremes 348	S Ch DS2	P _x	1.25	-0.33	7.39	0.00	0.00	-1.42	CO7
			0.24	-0.03	1.43	0.00	0.00	-0.24	CO9
		P _y	1.25	-0.33	7.39	0.00	0.00	-1.42	CO7
			0.24	-0.03	1.43	0.00	0.00	-0.24	CO9
		P _z	1.25	-0.33	7.39	0.00	0.00	-1.42	CO7
			0.24	-0.03	1.43	0.00	0.00	-0.24	CO9
		M _k	0.41	-0.11	2.46	0.00	0.00	-0.47	CO6
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO6
		M _y	0.41	-0.11	2.46	0.00	0.00	-0.47	CO6
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO6
		M _z	1.25	-0.33	7.39	0.00	0.00	-1.42	CO7
			0.24	-0.03	1.43	0.00	0.00	-0.24	CO9
349 Extremes 349	S Ch DS2	P _x	-0.24	0.03	1.43	0.00	0.00	0.27	CO9
			-1.09	-0.01	7.33	0.00	0.00	1.53	CO7
		P _y	-0.24	0.03	1.43	0.00	0.00	0.27	CO9
			-1.09	-0.01	7.33	0.00	0.00	1.53	CO7
		P _z	-0.24	0.03	1.43	0.00	0.00	0.27	CO9
			-1.09	-0.01	7.33	0.00	0.00	1.53	CO7
		M _k	-0.36	0.00	2.44	0.00	0.00	0.50	CO6
			-0.36	0.00	2.44	0.00	0.00	0.50	CO6
		M _y	-0.36	0.00	2.44	0.00	0.00	0.50	CO6
			-0.36	0.00	2.44	0.00	0.00	0.50	CO6
		M _z	-1.09	-0.01	7.33	0.00	0.00	1.53	CO7
			-0.24	0.03	1.43	0.00	0.00	0.27	CO9



Model:

VDC Kranj - statična preverba
strehe

Project:

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strehe

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 349			-0.24 -1.09	0.03 -0.01	7.33 1.43	0.00 0.00	0.00 0.00	1.53 0.27	
350	S Ch DS2	P _x	-0.16	-0.01	2.91	0.00	0.00	-0.13	CO9
			-0.61	-0.01	15.28	0.00	0.00	-0.64	CO7
		P _y	-0.20	0.00	5.02	0.00	0.00	-0.21	CO6
			-0.58	-0.02	14.02	0.00	0.00	-0.59	CO8
		P _z	-0.61	-0.01	15.28	0.00	0.00	-0.64	CO7
			-0.16	-0.01	2.91	0.00	0.00	-0.13	CO9
		M _k	-0.20	0.00	5.02	0.00	0.00	-0.21	CO6
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO6
		M _y	-0.20	0.00	5.02	0.00	0.00	-0.21	CO6
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO6
		M _z	-0.16	-0.01	2.91	0.00	0.00	-0.13	CO9
			-0.61	-0.01	15.28	0.00	0.00	-0.64	CO7
		Extremes 350	-0.16	0.00	15.28	0.00	0.00	-0.13	
			-0.61	-0.02	2.91	0.00	0.00	-0.64	
353	S Ch DS2	P _x	-0.21	0.00	3.76	0.00	0.00	0.02	CO9
			-0.79	0.00	19.58	0.00	0.00	0.14	CO7
		P _y	-0.76	0.00	17.97	0.00	0.00	0.13	CO8
			-0.26	0.00	6.43	0.00	0.00	0.05	CO6
		P _z	-0.79	0.00	19.58	0.00	0.00	0.14	CO7
			-0.21	0.00	3.76	0.00	0.00	0.02	CO9
		M _k	-0.26	0.00	6.43	0.00	0.00	0.05	CO6
			-0.26	0.00	6.43	0.00	0.00	0.05	CO6
		M _y	-0.26	0.00	6.43	0.00	0.00	0.05	CO6
			-0.26	0.00	6.43	0.00	0.00	0.05	CO6
		M _z	-0.79	0.00	19.58	0.00	0.00	0.14	CO7
			-0.21	0.00	3.76	0.00	0.00	0.02	CO9
		Extremes 353	-0.21	0.00	19.58	0.00	0.00	0.14	
			-0.79	0.00	3.76	0.00	0.00	0.02	
356	S Ch DS2	P _x	-0.21	0.00	3.66	0.00	0.00	0.00	CO9
			-0.76	0.00	18.97	0.00	0.00	-0.03	CO7
		P _y	-0.25	0.00	6.23	0.00	0.00	-0.01	CO6
			-0.46	0.00	10.04	0.00	0.00	-0.02	CO10
		P _z	-0.76	0.00	18.97	0.00	0.00	-0.03	CO7
			-0.21	0.00	3.66	0.00	0.00	0.00	CO9
		M _k	-0.25	0.00	6.23	0.00	0.00	-0.01	CO6
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO6
		M _y	-0.25	0.00	6.23	0.00	0.00	-0.01	CO6
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO6
		M _z	-0.21	0.00	3.66	0.00	0.00	0.00	CO9
			-0.76	0.00	18.97	0.00	0.00	-0.03	CO7
		Extremes 356	-0.21	0.00	18.97	0.00	0.00	0.00	
			-0.76	0.00	3.66	0.00	0.00	-0.03	
359	S Ch DS2	P _x	-0.21	0.00	3.68	0.00	0.00	0.00	CO9
			-0.76	0.00	19.08	0.00	0.00	0.01	CO7
		P _y	-0.21	0.00	3.68	0.00	0.00	0.00	CO9
			-0.76	0.00	19.08	0.00	0.00	0.01	CO7
		P _z	-0.76	0.00	19.08	0.00	0.00	0.01	CO7
			-0.21	0.00	3.68	0.00	0.00	0.00	CO9
		M _k	-0.25	0.00	6.27	0.00	0.00	0.00	CO6
			-0.25	0.00	6.27	0.00	0.00	0.00	CO6
		M _y	-0.25	0.00	6.27	0.00	0.00	0.00	CO6
			-0.25	0.00	6.27	0.00	0.00	0.00	CO6
		M _z	-0.76	0.00	19.08	0.00	0.00	0.01	CO7
			-0.21	0.00	3.68	0.00	0.00	0.00	CO9
		Extremes 359	-0.21	0.00	19.08	0.00	0.00	0.01	
			-0.76	0.00	3.68	0.00	0.00	0.00	
362	S Ch DS2	P _x	-0.21	0.00	3.69	0.00	0.00	0.00	CO9
			-0.77	0.00	19.16	0.00	0.00	-0.03	CO7
		P _y	-0.77	0.00	19.16	0.00	0.00	-0.03	CO7
			-0.21	0.00	3.69	0.00	0.00	0.00	CO9
		P _z	-0.77	0.00	19.16	0.00	0.00	-0.03	CO7
			-0.21	0.00	3.69	0.00	0.00	0.00	CO9
		M _k	-0.25	0.00	6.30	0.00	0.00	-0.01	CO6
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO6
		M _y	-0.25	0.00	6.30	0.00	0.00	-0.01	CO6
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO6
		M _z	-0.21	0.00	3.69	0.00	0.00	0.00	CO9
			-0.77	0.00	19.16	0.00	0.00	-0.03	CO7
		Extremes 362	-0.21	0.00	19.16	0.00	0.00	0.00	
			-0.77	0.00	3.69	0.00	0.00	-0.03	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
365	S Ch DS2	P_x	-0.21	0.00	3.63	0.00	0.00	0.02	CO9
			-0.74	0.00	18.70	0.00	0.00	0.11	CO7
		P_y	-0.45	0.00	9.91	0.00	0.00	0.05	CO10
			-0.24	0.00	6.14	0.00	0.00	0.04	CO6
		P_z	-0.74	0.00	18.70	0.00	0.00	0.11	CO7
			-0.21	0.00	3.63	0.00	0.00	0.02	CO9
		M_k	-0.24	0.00	6.14	0.00	0.00	0.04	CO6
			-0.24	0.00	6.14	0.00	0.00	0.04	CO6
		M_y	-0.24	0.00	6.14	0.00	0.00	0.04	CO6
			-0.24	0.00	6.14	0.00	0.00	0.04	CO6
		M_z	-0.74	0.00	18.70	0.00	0.00	0.11	CO7
			-0.21	0.00	3.63	0.00	0.00	0.02	CO9
		Extremes 365	-0.21	0.00	18.70	0.00	0.00	0.11	
			-0.74	0.00	3.63	0.00	0.00	0.02	
368	S Ch DS2	P_x	-0.23	-0.01	3.94	0.00	0.00	-0.08	CO9
			-0.86	-0.01	20.78	0.00	0.00	-0.49	CO7
		P_y	-0.28	0.00	6.83	0.00	0.00	-0.16	CO6
			-0.82	-0.01	19.05	0.00	0.00	-0.44	CO8
		P_z	-0.86	-0.01	20.78	0.00	0.00	-0.49	CO7
			-0.23	-0.01	3.94	0.00	0.00	-0.08	CO9
		M_k	-0.28	0.00	6.83	0.00	0.00	-0.16	CO6
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO6
		M_y	-0.28	0.00	6.83	0.00	0.00	-0.16	CO6
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO6
		M_z	-0.23	-0.01	3.94	0.00	0.00	-0.08	CO9
			-0.86	-0.01	20.78	0.00	0.00	-0.49	CO7
		Extremes 368	-0.23	0.00	20.78	0.00	0.00	-0.08	
			-0.86	-0.01	3.94	0.00	0.00	-0.49	
372	S Ch DS2	P_x	0.00	0.00	0.17	0.00	0.00	0.02	CO6
			-0.02	0.00	0.30	0.00	0.00	0.04	CO10
		P_y	-0.01	0.00	0.18	0.00	0.00	0.01	CO9
			-0.01	0.00	0.42	0.00	0.00	0.08	CO7
		P_z	-0.01	0.00	0.42	0.00	0.00	0.07	CO8
			0.00	0.00	0.17	0.00	0.00	0.02	CO6
		M_k	0.00	0.00	0.17	0.00	0.00	0.02	CO6
			0.00	0.00	0.17	0.00	0.00	0.02	CO6
		M_y	0.00	0.00	0.17	0.00	0.00	0.02	CO6
			0.00	0.00	0.17	0.00	0.00	0.02	CO6
		M_z	-0.01	0.00	0.42	0.00	0.00	0.08	CO7
			-0.01	0.00	0.18	0.00	0.00	0.01	CO9
		Extremes 372	0.00	0.00	0.42	0.00	0.00	0.08	
			-0.02	0.00	0.17	0.00	0.00	0.01	
373	S Ch DS2	P_x	1.09	-0.02	7.33	0.00	0.00	-1.52	CO7
			0.24	0.02	1.43	0.00	0.00	-0.27	CO9
		P_y	0.24	0.02	1.43	0.00	0.00	-0.27	CO9
			1.09	-0.02	7.33	0.00	0.00	-1.52	CO7
		P_z	1.09	-0.02	7.33	0.00	0.00	-1.52	CO7
			0.24	0.02	1.43	0.00	0.00	-0.27	CO9
		M_k	0.36	-0.01	2.44	0.00	0.00	-0.50	CO6
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO6
		M_y	0.36	-0.01	2.44	0.00	0.00	-0.50	CO6
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO6
		M_z	0.24	0.02	1.43	0.00	0.00	-0.27	CO9
			1.09	-0.02	7.33	0.00	0.00	-1.52	CO7
		Extremes 373	1.09	0.02	7.33	0.00	0.00	-0.27	
			0.24	-0.02	1.43	0.00	0.00	-1.52	
374	S Ch DS2	P_x	0.61	0.00	15.27	0.00	0.00	0.63	CO7
			0.16	-0.01	2.91	0.00	0.00	0.13	CO9
		P_y	0.61	0.00	15.27	0.00	0.00	0.63	CO7
			0.16	-0.01	2.91	0.00	0.00	0.13	CO9
		P_z	0.61	0.00	15.27	0.00	0.00	0.63	CO7
			0.16	-0.01	2.91	0.00	0.00	0.13	CO9
		M_k	0.20	0.00	5.02	0.00	0.00	0.21	CO6
			0.20	0.00	5.02	0.00	0.00	0.21	CO6
		M_y	0.20	0.00	5.02	0.00	0.00	0.21	CO6
			0.20	0.00	5.02	0.00	0.00	0.21	CO6
		M_z	0.61	0.00	15.27	0.00	0.00	0.63	CO7
			0.16	-0.01	2.91	0.00	0.00	0.13	CO9
		Extremes 374	0.61	0.00	15.27	0.00	0.00	0.63	
			0.16	-0.01	2.91	0.00	0.00	0.13	
377	S Ch DS2	P_x	0.79	-0.09	19.58	0.00	0.00	-0.08	CO7
			0.21	-0.02	3.76	0.00	0.00	-0.01	CO9

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
377		P_y	0.21	-0.02	3.76	0.00	0.00	-0.01	CO9
			0.79	-0.09	19.58	0.00	0.00	-0.08	CO7
			0.79	-0.09	19.58	0.00	0.00	-0.08	CO7
		P_z	0.21	-0.02	3.76	0.00	0.00	-0.01	CO9
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO6
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO6
		M_k	0.26	-0.03	6.43	0.00	0.00	-0.03	CO6
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO6
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO6
		M_y	0.21	-0.02	3.76	0.00	0.00	-0.01	CO9
			0.79	-0.09	19.58	0.00	0.00	-0.08	CO7
			0.79	-0.09	19.58	0.00	0.00	-0.08	CO7
Extremes 377			0.21	-0.09	3.76	0.00	0.00	-0.08	
380	S Ch DS2	P_x	0.75	0.03	18.98	0.00	0.00	0.02	CO7
			0.21	0.01	3.67	0.00	0.00	0.00	CO9
			0.75	0.03	18.98	0.00	0.00	0.02	CO7
		P_y	0.21	0.01	3.67	0.00	0.00	0.00	CO9
			0.75	0.03	18.98	0.00	0.00	0.02	CO7
			0.21	0.01	3.67	0.00	0.00	0.00	CO9
		P_z	0.25	0.01	6.23	0.00	0.00	0.01	CO6
			0.25	0.01	6.23	0.00	0.00	0.01	CO6
			0.25	0.01	6.23	0.00	0.00	0.01	CO6
		M_k	0.25	0.01	6.23	0.00	0.00	0.01	CO6
			0.25	0.01	6.23	0.00	0.00	0.01	CO6
			0.25	0.01	6.23	0.00	0.00	0.01	CO6
Extremes 380			0.75	0.03	18.98	0.00	0.00	0.02	CO7
383	S Ch DS2	P_x	0.77	-0.01	19.08	0.00	0.00	-0.01	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
			0.77	-0.01	19.08	0.00	0.00	-0.01	CO7
		P_y	0.21	0.00	3.68	0.00	0.00	0.00	CO9
			0.77	-0.01	19.08	0.00	0.00	-0.01	CO7
			0.21	0.00	3.68	0.00	0.00	0.00	CO9
		P_z	0.25	0.00	6.27	0.00	0.00	0.00	CO6
			0.25	0.00	6.27	0.00	0.00	0.00	CO6
			0.25	0.00	6.27	0.00	0.00	0.00	CO6
		M_k	0.25	0.00	6.27	0.00	0.00	0.00	CO6
			0.25	0.00	6.27	0.00	0.00	0.00	CO6
			0.25	0.00	6.27	0.00	0.00	0.00	CO6
Extremes 383			0.77	-0.01	19.08	0.00	0.00	-0.01	CO7
386	S Ch DS2	P_x	0.77	0.00	19.16	0.00	0.00	0.03	CO7
			0.21	0.00	3.69	0.00	0.00	0.00	CO9
			0.77	0.00	19.16	0.00	0.00	0.03	CO7
		P_y	0.21	0.00	3.69	0.00	0.00	0.00	CO9
			0.77	0.00	19.16	0.00	0.00	0.03	CO7
			0.21	0.00	3.69	0.00	0.00	0.00	CO9
		P_z	0.25	0.00	6.30	0.00	0.00	0.01	CO6
			0.25	0.00	6.30	0.00	0.00	0.01	CO6
			0.25	0.00	6.30	0.00	0.00	0.01	CO6
		M_k	0.25	0.00	6.30	0.00	0.00	0.01	CO6
			0.25	0.00	6.30	0.00	0.00	0.01	CO6
			0.25	0.00	6.30	0.00	0.00	0.01	CO6
Extremes 386			0.77	0.00	19.16	0.00	0.00	0.03	CO7
389	S Ch DS2	P_x	0.74	-0.01	18.70	0.00	0.00	-0.11	CO7
			0.21	0.00	3.63	0.00	0.00	-0.01	CO9
			0.74	-0.01	18.70	0.00	0.00	-0.11	CO7
		P_y	0.21	0.00	3.63	0.00	0.00	-0.01	CO9
			0.74	-0.01	18.70	0.00	0.00	-0.11	CO7
			0.21	0.00	3.63	0.00	0.00	-0.01	CO9
		P_z	0.24	0.00	6.14	0.00	0.00	-0.04	CO6
			0.24	0.00	6.14	0.00	0.00	-0.04	CO6
			0.24	0.00	6.14	0.00	0.00	-0.04	CO6
		M_k	0.24	0.00	6.14	0.00	0.00	-0.04	CO6
			0.24	0.00	6.14	0.00	0.00	-0.04	CO6
			0.24	0.00	6.14	0.00	0.00	-0.04	CO6
Extremes 389			0.74	-0.01	18.70	0.00	0.00	-0.11	CO7
392	S Ch DS2	P_x	0.86	0.00	20.78	0.00	0.00	0.49	CO7
			0.23	-0.01	3.94	0.00	0.00	0.08	CO9
		P_y	0.86	0.00	20.78	0.00	0.00	0.49	CO7
			0.23	-0.01	3.94	0.00	0.00	0.08	CO9

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
392		P_z	0.86	0.00	20.78	0.00	0.00	0.49	CO7
			0.23	-0.01	3.94	0.00	0.00	0.08	CO9
			0.28	0.00	6.83	0.00	0.00	0.16	CO6
		M_k	0.28	0.00	6.83	0.00	0.00	0.16	CO6
			0.28	0.00	6.83	0.00	0.00	0.16	CO6
			0.28	0.00	6.83	0.00	0.00	0.16	CO6
		M_y	0.86	0.00	20.78	0.00	0.00	0.49	CO7
			0.23	-0.01	3.94	0.00	0.00	0.08	CO9
			0.28	0.00	6.83	0.00	0.00	0.16	CO6
		M_z	0.86	0.00	20.78	0.00	0.00	0.49	CO7
			0.23	-0.01	3.94	0.00	0.00	0.08	CO9
			0.28	0.00	6.83	0.00	0.00	0.16	CO6
Extremes 392			0.86	0.00	20.78	0.00	0.00	0.49	
			0.23	-0.01	3.94	0.00	0.00	0.08	
396	S Ch DS2	P_x	0.02	0.00	0.31	0.00	0.00	-0.04	CO10
			0.00	0.00	0.17	0.00	0.00	-0.02	CO6
			0.01	0.00	0.18	0.00	0.00	-0.01	CO9
		P_y	0.01	-0.01	0.42	0.00	0.00	-0.07	CO7
			0.01	0.00	0.43	0.00	0.00	-0.07	CO8
			0.00	0.00	0.17	0.00	0.00	-0.02	CO6
		M_k	0.00	0.00	0.17	0.00	0.00	-0.02	CO6
			0.00	0.00	0.17	0.00	0.00	-0.02	CO6
			0.00	0.00	0.17	0.00	0.00	-0.02	CO6
		M_y	0.00	0.00	0.17	0.00	0.00	-0.02	CO6
			0.00	0.00	0.17	0.00	0.00	-0.02	CO6
			0.01	0.00	0.18	0.00	0.00	-0.01	CO9
Extremes 396			0.01	-0.01	0.42	0.00	0.00	-0.07	CO7
			0.02	0.00	0.43	0.00	0.00	-0.01	
			0.00	-0.01	0.17	0.00	0.00	-0.07	
397	S Ch DS2	P_x	-0.13	-0.02	1.33	0.00	0.00	0.21	CO9
			-3.55	-0.17	5.47	0.00	0.00	1.12	CO7
			-0.13	-0.02	1.33	0.00	0.00	0.21	CO9
		P_y	-3.55	-0.17	5.47	0.00	0.00	1.12	CO7
			-3.55	-0.17	5.47	0.00	0.00	1.12	CO7
			-0.13	-0.02	1.33	0.00	0.00	0.21	CO9
		M_k	-1.15	-0.06	1.84	0.00	0.00	0.37	CO6
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO6
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO6
		M_y	-1.15	-0.06	1.84	0.00	0.00	0.37	CO6
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO6
			-3.55	-0.17	5.47	0.00	0.00	1.12	CO7
Extremes 397			-0.13	-0.02	1.33	0.00	0.00	0.21	CO9
			-3.55	-0.17	5.47	0.00	0.00	1.12	
			-0.13	-0.02	1.33	0.00	0.00	0.21	
401	S Ch DS2	P_x	-0.22	0.02	1.38	0.00	0.00	-0.21	CO9
			-1.10	0.11	6.79	0.00	0.00	-1.09	CO7
			-1.10	0.11	6.79	0.00	0.00	-1.09	CO7
		P_y	-0.22	0.02	1.38	0.00	0.00	-0.21	CO9
			-1.10	0.11	6.79	0.00	0.00	-1.09	CO7
			-0.22	0.02	1.38	0.00	0.00	-0.21	CO9
		M_k	-0.36	0.04	2.26	0.00	0.00	-0.36	CO6
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO6
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO6
		M_y	-0.36	0.04	2.26	0.00	0.00	-0.36	CO6
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO6
			-0.22	0.02	1.38	0.00	0.00	-0.21	CO9
Extremes 401			-1.10	0.11	6.79	0.00	0.00	-1.09	CO7
			-0.22	0.11	6.79	0.00	0.00	-0.21	
			-1.10	0.02	1.38	0.00	0.00	-1.09	
404	S Ch DS2	P_x	0.46	-0.01	20.92	0.00	0.00	0.29	CO7
			-0.23	0.00	3.90	0.00	0.00	0.05	CO9
			-0.23	0.00	3.90	0.00	0.00	0.05	CO9
		P_y	0.46	-0.01	20.92	0.00	0.00	0.29	CO7
			0.46	-0.01	20.92	0.00	0.00	0.29	CO7
			-0.23	0.00	3.90	0.00	0.00	0.05	CO9
		M_k	0.15	0.00	6.87	0.00	0.00	0.10	CO6
			0.15	0.00	6.87	0.00	0.00	0.10	CO6
			0.15	0.00	6.87	0.00	0.00	0.10	CO6
		M_y	0.15	0.00	6.87	0.00	0.00	0.10	CO6
			0.15	0.00	6.87	0.00	0.00	0.10	CO6
			0.46	-0.01	20.92	0.00	0.00	0.29	CO7
Extremes 404			-0.23	0.00	3.90	0.00	0.00	0.05	CO9
			0.46	0.00	20.92	0.00	0.00	0.29	
			-0.23	-0.01	3.90	0.00	0.00	0.05	
407	S Ch DS2	P_x	0.19	0.00	19.16	0.00	0.00	-0.04	CO7
			-0.21	0.00	3.63	0.00	0.00	-0.01	CO9
		P_y	0.19	0.00	19.16	0.00	0.00	-0.04	CO7
			-0.21	0.00	3.63	0.00	0.00	-0.01	CO9
		P_z	0.19	0.00	19.16	0.00	0.00	-0.04	CO7
			-0.21	0.00	3.63	0.00	0.00	-0.01	CO9

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading		
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]			
407		M _k	0.07	0.00	6.30	0.00	0.00	-0.01	CO6		
			0.07	0.00	6.30	0.00	0.00	-0.01	CO6		
		M _y	0.07	0.00	6.30	0.00	0.00	-0.01	CO6		
			0.07	0.00	6.30	0.00	0.00	-0.01	CO6		
		M _z	-0.21	0.00	3.63	0.00	0.00	-0.01	CO9		
			0.19	0.00	19.16	0.00	0.00	-0.04	CO7		
		Extremes	0.19	0.00	19.16	0.00	0.00	-0.01			
			-0.21	0.00	3.63	0.00	0.00	-0.04			
410	S Ch DS2	P _x	0.79	-0.01	19.64	0.00	0.00	0.03	CO7		
			-0.22	0.00	3.68	0.00	0.00	0.00	CO9		
		P _y	-0.22	0.00	3.68	0.00	0.00	0.00	CO9		
			0.79	-0.01	19.64	0.00	0.00	0.03	CO7		
		P _z	0.79	-0.01	19.64	0.00	0.00	0.03	CO7		
			-0.22	0.00	3.68	0.00	0.00	0.00	CO9		
		M _k	0.26	0.00	6.45	0.00	0.00	0.01	CO6		
			0.26	0.00	6.45	0.00	0.00	0.01	CO6		
		M _y	0.26	0.00	6.45	0.00	0.00	0.01	CO6		
			0.26	0.00	6.45	0.00	0.00	0.01	CO6		
		M _z	0.79	-0.01	19.64	0.00	0.00	0.03	CO7		
			-0.22	0.00	3.68	0.00	0.00	0.00	CO9		
		Extremes	0.79	-0.01	19.64	0.00	0.00	0.03			
			-0.22	-0.01	3.68	0.00	0.00	0.00			
		413	S Ch DS2	P _x	-0.17	0.00	3.62	0.00	0.00	0.01	CO9
					-1.51	0.04	18.63	0.00	0.00	0.03	CO7
P _y	-1.51			0.04	18.63	0.00	0.00	0.03	CO7		
	-0.17			0.00	3.62	0.00	0.00	0.01	CO9		
P _z	-1.51			0.04	18.63	0.00	0.00	0.03	CO7		
	-0.17			0.00	3.62	0.00	0.00	0.01	CO9		
M _k	-0.49			0.01	6.12	0.00	0.00	0.01	CO6		
	-0.49			0.01	6.12	0.00	0.00	0.01	CO6		
M _y	-0.49			0.01	6.12	0.00	0.00	0.01	CO6		
	-0.49			0.01	6.12	0.00	0.00	0.01	CO6		
M _z	-1.51			0.04	18.63	0.00	0.00	0.03	CO7		
	-0.17			0.00	3.62	0.00	0.00	0.01	CO9		
Extremes	-0.17			0.04	18.63	0.00	0.00	0.03			
	-1.51			0.00	3.62	0.00	0.00	0.01			
416	S Ch DS2			P _x	0.10	-0.01	24.94	0.00	0.00	-0.29	CO7
					-0.24	0.00	4.11	0.00	0.00	-0.05	CO9
		P _y	-0.24	0.00	4.11	0.00	0.00	-0.05	CO9		
			0.10	-0.01	24.94	0.00	0.00	-0.29	CO7		
		P _z	0.10	-0.01	24.94	0.00	0.00	-0.29	CO7		
			-0.24	0.00	4.11	0.00	0.00	-0.05	CO9		
		M _k	0.04	0.00	8.19	0.00	0.00	-0.10	CO6		
			0.04	0.00	8.19	0.00	0.00	-0.10	CO6		
		M _y	0.04	0.00	8.19	0.00	0.00	-0.10	CO6		
			0.04	0.00	8.19	0.00	0.00	-0.10	CO6		
		M _z	-0.24	0.00	4.11	0.00	0.00	-0.05	CO9		
			0.10	-0.01	24.94	0.00	0.00	-0.29	CO7		
		Extremes	0.10	-0.01	24.94	0.00	0.00	-0.05			
			-0.24	-0.01	4.11	0.00	0.00	-0.29			
		109 112 192 114 162 162 1 1 1 1 166 162	Total max/min values with corresponding values S Ch DS2	P _x	6.39	-0.03	8.08	0.00	0.00	0.08	CO7
					-10.82	-0.03	8.00	0.00	0.00	-0.08	CO7
P _y	-1.47			0.25	10.48	0.00	0.00	1.64	CO7		
	0.00			-0.60	2.62	0.00	0.00	0.38	CO7		
P _z	-1.92			-0.14	33.71	0.00	0.00	-2.17	CO7		
	0.11			0.00	-1.71	0.00	0.00	0.09	CO9		
M _k	0.00			-0.06	2.66	0.00	0.00	0.03	CO6		
	0.00			-0.06	2.66	0.00	0.00	0.03	CO6		
M _y	0.00			-0.06	2.66	0.00	0.00	0.03	CO6		
	0.00			-0.06	2.66	0.00	0.00	0.03	CO6		
M _z	-1.28			0.20	23.96	0.00	0.00	4.25	CO7		
	-1.92			-0.14	33.71	0.00	0.00	-2.17	CO7		
1	S Ch DS3	P _x	0.00	-0.02	0.95	0.00	0.00	0.01	CO14		
			0.00	-0.07	3.19	0.00	0.00	0.04	CO12		
		P _y	0.00	-0.02	0.95	0.00	0.00	0.01	CO14		
			0.00	-0.07	3.19	0.00	0.00	0.04	CO12		
		P _z	0.00	-0.07	3.19	0.00	0.00	0.04	CO12		
			0.00	-0.02	0.95	0.00	0.00	0.01	CO14		
		M _k	0.00	-0.03	1.41	0.00	0.00	0.02	CO11		
			0.00	-0.03	1.41	0.00	0.00	0.02	CO11		
		M _y	0.00	-0.03	1.41	0.00	0.00	0.02	CO11		
			0.00	-0.03	1.41	0.00	0.00	0.02	CO11		
		1	0.00	-0.03	1.41	0.00	0.00	0.02			
			0.00	-0.03	1.41	0.00	0.00	0.02			

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
1		M_y	0.00	-0.03	1.41	0.00	0.00	0.02	CO11
		M_z	0.00	-0.07	3.19	0.00	0.00	0.04	CO12
			0.00	-0.02	0.95	0.00	0.00	0.01	CO14
			0.00	-0.02	3.19	0.00	0.00	0.04	
			0.00	-0.07	0.95	0.00	0.00	0.01	
6	DS3	P_x	-0.01	-0.01	0.48	0.00	0.00	-0.01	CO14
			-0.03	-0.05	1.60	0.00	0.00	-0.04	CO12
		P_y	-0.01	-0.01	0.48	0.00	0.00	-0.01	CO14
			-0.03	-0.05	1.60	0.00	0.00	-0.04	CO12
		P_z	-0.03	-0.05	1.60	0.00	0.00	-0.04	CO12
			-0.01	-0.01	0.48	0.00	0.00	-0.01	CO14
		M_k	-0.01	-0.02	0.71	0.00	0.00	-0.02	CO11
			-0.01	-0.02	0.71	0.00	0.00	-0.02	CO11
		M_y	-0.01	-0.02	0.71	0.00	0.00	-0.02	CO11
			-0.01	-0.02	0.71	0.00	0.00	-0.02	CO11
		M_z	-0.01	-0.01	0.48	0.00	0.00	-0.01	CO14
			-0.03	-0.05	1.60	0.00	0.00	-0.04	CO12
			-0.01	-0.01	1.60	0.00	0.00	-0.01	
			-0.03	-0.05	0.48	0.00	0.00	-0.04	
9	DS3	P_x	0.00	0.07	1.78	0.00	0.00	-0.04	CO14
			0.00	0.21	6.19	0.00	0.00	-0.13	CO12
		P_y	0.00	0.21	6.19	0.00	0.00	-0.13	CO12
			0.00	0.07	1.78	0.00	0.00	-0.04	CO14
		P_z	0.00	0.21	6.19	0.00	0.00	-0.13	CO12
			0.00	0.07	1.78	0.00	0.00	-0.04	CO14
		M_k	0.00	0.09	2.67	0.00	0.00	-0.06	CO11
			0.00	0.09	2.67	0.00	0.00	-0.06	CO11
		M_y	0.00	0.09	2.67	0.00	0.00	-0.06	CO11
			0.00	0.09	2.67	0.00	0.00	-0.06	CO11
		M_z	0.00	0.07	1.78	0.00	0.00	-0.04	CO14
			0.00	0.21	6.19	0.00	0.00	-0.13	CO12
			0.00	0.21	6.19	0.00	0.00	-0.04	
			0.00	0.07	1.78	0.00	0.00	-0.13	
12	DS3	P_x	-0.02	0.05	0.89	0.00	0.00	0.04	CO14
			-0.06	0.15	3.10	0.00	0.00	0.12	CO12
		P_y	-0.06	0.15	3.10	0.00	0.00	0.12	CO12
			-0.02	0.05	0.89	0.00	0.00	0.04	CO14
		P_z	-0.06	0.15	3.10	0.00	0.00	0.12	CO12
			-0.02	0.05	0.89	0.00	0.00	0.04	CO14
		M_k	-0.03	0.07	1.34	0.00	0.00	0.05	CO11
			-0.03	0.07	1.34	0.00	0.00	0.05	CO11
		M_y	-0.03	0.07	1.34	0.00	0.00	0.05	CO11
			-0.03	0.07	1.34	0.00	0.00	0.05	CO11
		M_z	-0.06	0.15	3.10	0.00	0.00	0.12	CO12
			-0.02	0.05	0.89	0.00	0.00	0.04	CO14
			-0.02	0.15	3.10	0.00	0.00	0.12	
			-0.06	0.05	0.89	0.00	0.00	0.04	
14	DS3	P_x	5.69	0.07	8.37	0.00	0.00	-0.10	CO12
			0.69	0.02	2.34	0.00	0.00	-0.03	CO14
		P_y	5.69	0.07	8.37	0.00	0.00	-0.10	CO12
			0.69	0.02	2.34	0.00	0.00	-0.03	CO14
		P_z	5.69	0.07	8.37	0.00	0.00	-0.10	CO12
			0.69	0.02	2.34	0.00	0.00	-0.03	CO14
		M_k	2.48	0.03	3.62	0.00	0.00	-0.04	CO11
			2.48	0.03	3.62	0.00	0.00	-0.04	CO11
		M_y	2.48	0.03	3.62	0.00	0.00	-0.04	CO11
			2.48	0.03	3.62	0.00	0.00	-0.04	CO11
		M_z	0.69	0.02	2.34	0.00	0.00	-0.03	CO14
			5.69	0.07	8.37	0.00	0.00	-0.10	CO12
			5.69	0.07	8.37	0.00	0.00	-0.03	
			0.69	0.02	2.34	0.00	0.00	-0.10	
17	DS3	P_x	-1.36	0.02	1.21	0.00	0.00	0.03	CO14
			-8.94	0.07	4.48	0.00	0.00	0.08	CO12
		P_y	-8.94	0.07	4.48	0.00	0.00	0.08	CO12
			-1.36	0.02	1.21	0.00	0.00	0.03	CO14
		P_z	-8.94	0.07	4.48	0.00	0.00	0.08	CO12
			-1.36	0.02	1.21	0.00	0.00	0.03	CO14
		M_k	-3.91	0.03	1.94	0.00	0.00	0.04	CO11
			-3.91	0.03	1.94	0.00	0.00	0.04	CO11
		M_y	-3.91	0.03	1.94	0.00	0.00	0.04	CO11
			-3.91	0.03	1.94	0.00	0.00	0.04	CO11
		M_z	-3.91	0.03	1.94	0.00	0.00	0.04	CO11
			-8.94	0.07	4.48	0.00	0.00	0.08	CO12

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
17		M _z	-1.36	0.02	1.21	0.00	0.00	0.03	CO14
Extremes			-1.36	0.07	4.48	0.00	0.00	0.08	
17			-8.94	0.02	1.21	0.00	0.00	0.03	
19	SC3 DS3	P _x	5.50	-0.10	8.06	0.00	0.00	0.12	CO12
			0.68	-0.03	2.26	0.00	0.00	0.04	CO14
		P _y	0.68	-0.03	2.26	0.00	0.00	0.04	CO14
			5.50	-0.10	8.06	0.00	0.00	0.12	CO12
		P _z	5.50	-0.10	8.06	0.00	0.00	0.12	CO12
			0.68	-0.03	2.26	0.00	0.00	0.04	CO14
		M _k	2.40	-0.04	3.49	0.00	0.00	0.05	CO11
			2.40	-0.04	3.49	0.00	0.00	0.05	CO11
		M _y	2.40	-0.04	3.49	0.00	0.00	0.05	CO11
			2.40	-0.04	3.49	0.00	0.00	0.05	CO11
		M _z	5.50	-0.10	8.06	0.00	0.00	0.12	CO12
			0.68	-0.03	2.26	0.00	0.00	0.04	CO14
Extremes			5.50	-0.03	8.06	0.00	0.00	0.12	
19			0.68	-0.10	2.26	0.00	0.00	0.04	
22	SC3 DS3	P _x	-1.15	-0.03	1.17	0.00	0.00	-0.03	CO14
			-7.81	-0.09	4.32	0.00	0.00	-0.11	CO12
		P _y	-1.15	-0.03	1.17	0.00	0.00	-0.03	CO14
			-7.81	-0.09	4.32	0.00	0.00	-0.11	CO12
		P _z	-7.81	-0.09	4.32	0.00	0.00	-0.11	CO12
			-1.15	-0.03	1.17	0.00	0.00	-0.03	CO14
		M _k	-3.42	-0.04	1.87	0.00	0.00	-0.05	CO11
			-3.42	-0.04	1.87	0.00	0.00	-0.05	CO11
		M _y	-3.42	-0.04	1.87	0.00	0.00	-0.05	CO11
			-3.42	-0.04	1.87	0.00	0.00	-0.05	CO11
		M _z	-1.15	-0.03	1.17	0.00	0.00	-0.03	CO14
			-7.81	-0.09	4.32	0.00	0.00	-0.11	CO12
Extremes			-1.15	-0.03	4.32	0.00	0.00	-0.03	
22			-7.81	-0.09	1.17	0.00	0.00	-0.11	
24	SC3 DS3	P _x	0.00	-0.01	1.77	0.00	0.00	0.01	CO14
			0.00	-0.04	6.19	0.00	0.00	0.03	CO12
		P _y	0.00	-0.01	1.77	0.00	0.00	0.01	CO14
			0.00	-0.04	6.19	0.00	0.00	0.03	CO12
		P _z	0.00	-0.04	6.19	0.00	0.00	0.03	CO12
			0.00	-0.01	1.77	0.00	0.00	0.01	CO14
		M _k	0.00	-0.02	2.67	0.00	0.00	0.01	CO11
			0.00	-0.02	2.67	0.00	0.00	0.01	CO11
		M _y	0.00	-0.02	2.67	0.00	0.00	0.01	CO11
			0.00	-0.02	2.67	0.00	0.00	0.01	CO11
		M _z	0.00	-0.04	6.19	0.00	0.00	0.03	CO12
			0.00	-0.01	1.77	0.00	0.00	0.01	CO14
Extremes			0.00	-0.01	6.19	0.00	0.00	0.03	
24			0.00	-0.04	1.77	0.00	0.00	0.01	
27	SC3 DS3	P _x	-0.01	0.07	1.36	0.00	0.00	0.03	CO14
			-0.03	0.22	4.68	0.00	0.00	0.10	CO12
		P _y	-0.03	0.22	4.68	0.00	0.00	0.10	CO12
			-0.01	0.07	1.36	0.00	0.00	0.03	CO14
		P _z	-0.03	0.22	4.68	0.00	0.00	0.10	CO12
			-0.01	0.07	1.36	0.00	0.00	0.03	CO14
		M _k	-0.01	0.10	2.04	0.00	0.00	0.04	CO11
			-0.01	0.10	2.04	0.00	0.00	0.04	CO11
		M _y	-0.01	0.10	2.04	0.00	0.00	0.04	CO11
			-0.01	0.10	2.04	0.00	0.00	0.04	CO11
		M _z	-0.03	0.22	4.68	0.00	0.00	0.10	CO12
			-0.01	0.07	1.36	0.00	0.00	0.03	CO14
Extremes			-0.01	0.22	4.68	0.00	0.00	0.10	
27			-0.03	0.07	1.36	0.00	0.00	0.03	
29	SC3 DS3	P _x	4.69	0.09	7.70	0.00	0.00	-0.10	CO12
			0.62	0.03	2.17	0.00	0.00	-0.03	CO14
		P _y	4.69	0.09	7.70	0.00	0.00	-0.10	CO12
			0.62	0.03	2.17	0.00	0.00	-0.03	CO14
		P _z	4.69	0.09	7.70	0.00	0.00	-0.10	CO12
			0.62	0.03	2.17	0.00	0.00	-0.03	CO14
		M _k	2.04	0.04	3.33	0.00	0.00	-0.04	CO11
			2.04	0.04	3.33	0.00	0.00	-0.04	CO11
		M _y	2.04	0.04	3.33	0.00	0.00	-0.04	CO11
			2.04	0.04	3.33	0.00	0.00	-0.04	CO11
		M _z	0.62	0.03	2.17	0.00	0.00	-0.03	CO14
			4.69	0.09	7.70	0.00	0.00	-0.10	CO12
Extremes			4.69	0.09	7.70	0.00	0.00	-0.03	

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
29			0.62	0.03	2.17	0.00	0.00	-0.10	
32	DS3	P _x	-0.71	0.02	2.39	0.00	0.00	0.03	CO14
			-5.56	0.06	8.37	0.00	0.00	0.10	CO12
		P _y	-0.71	0.02	2.39	0.00	0.00	0.03	CO14
			-5.56	0.06	8.37	0.00	0.00	0.10	CO12
		P _z	-0.71	0.02	2.39	0.00	0.00	0.03	CO14
			-5.56	0.06	8.37	0.00	0.00	0.10	CO12
		M _k	-2.43	0.03	3.62	0.00	0.00	0.04	CO11
			-2.43	0.03	3.62	0.00	0.00	0.04	CO11
		M _y	-2.43	0.03	3.62	0.00	0.00	0.04	CO11
			-2.43	0.03	3.62	0.00	0.00	0.04	CO11
		M _z	-5.56	0.06	8.37	0.00	0.00	0.10	CO12
			-0.71	0.02	2.39	0.00	0.00	0.03	CO14
Extremes 32			-0.71	0.06	8.37	0.00	0.00	0.10	
			-5.56	0.02	2.39	0.00	0.00	0.03	
34	DS3	P _x	4.71	-0.08	7.77	0.00	0.00	0.09	CO12
			0.62	-0.02	2.19	0.00	0.00	0.03	CO14
		P _y	0.62	-0.02	2.19	0.00	0.00	0.03	CO14
			4.71	-0.08	7.77	0.00	0.00	0.09	CO12
		P _z	4.71	-0.08	7.77	0.00	0.00	0.09	CO12
			0.62	-0.02	2.19	0.00	0.00	0.03	CO14
		M _k	2.06	-0.04	3.36	0.00	0.00	0.04	CO11
			2.06	-0.04	3.36	0.00	0.00	0.04	CO11
		M _y	2.06	-0.04	3.36	0.00	0.00	0.04	CO11
			2.06	-0.04	3.36	0.00	0.00	0.04	CO11
		M _z	4.71	-0.08	7.77	0.00	0.00	0.09	CO12
			0.62	-0.02	2.19	0.00	0.00	0.03	CO14
Extremes 34			4.71	-0.02	7.77	0.00	0.00	0.09	
			0.62	-0.08	2.19	0.00	0.00	0.03	
37	DS3	P _x	-0.51	-0.03	2.28	0.00	0.00	-0.04	CO14
			-3.98	-0.10	8.08	0.00	0.00	-0.12	CO12
		P _y	-0.51	-0.03	2.28	0.00	0.00	-0.04	CO14
			-3.98	-0.10	8.08	0.00	0.00	-0.12	CO12
		P _z	-0.51	-0.03	2.28	0.00	0.00	-0.04	CO14
			-3.98	-0.10	8.08	0.00	0.00	-0.12	CO12
		M _k	-1.73	-0.04	3.49	0.00	0.00	-0.05	CO11
			-1.73	-0.04	3.49	0.00	0.00	-0.05	CO11
		M _y	-1.73	-0.04	3.49	0.00	0.00	-0.05	CO11
			-1.73	-0.04	3.49	0.00	0.00	-0.05	CO11
		M _z	-0.51	-0.03	2.28	0.00	0.00	-0.04	CO14
			-3.98	-0.10	8.08	0.00	0.00	-0.12	CO12
Extremes 37			-0.51	-0.03	8.08	0.00	0.00	-0.04	
			-3.98	-0.10	2.28	0.00	0.00	-0.12	
39	DS3	P _x	0.00	0.01	6.20	0.00	0.00	-0.01	CO12
			0.00	0.01	6.20	0.00	0.00	-0.01	CO12
		P _y	0.00	0.01	6.20	0.00	0.00	-0.01	CO12
			0.00	0.01	6.20	0.00	0.00	-0.01	CO12
		P _z	0.00	0.01	6.20	0.00	0.00	-0.01	CO12
			0.00	0.01	6.20	0.00	0.00	-0.01	CO12
		M _k	0.00	0.00	2.67	0.00	0.00	0.00	CO11
			0.00	0.00	2.67	0.00	0.00	0.00	CO11
		M _y	0.00	0.00	2.67	0.00	0.00	0.00	CO11
			0.00	0.00	2.67	0.00	0.00	0.00	CO11
		M _z	0.00	0.00	1.77	0.00	0.00	0.00	CO14
			0.00	0.01	6.20	0.00	0.00	-0.01	CO12
Extremes 39			0.00	0.01	6.20	0.00	0.00	0.00	
			0.00	0.00	1.77	0.00	0.00	-0.01	
42	DS3	P _x	0.03	-0.04	5.92	0.00	0.00	-0.02	CO12
			0.01	-0.01	1.72	0.00	0.00	-0.01	CO14
		P _y	0.01	-0.01	1.72	0.00	0.00	-0.01	CO14
			0.03	-0.04	5.92	0.00	0.00	-0.02	CO12
		P _z	0.03	-0.04	5.92	0.00	0.00	-0.02	CO12
			0.01	-0.01	1.72	0.00	0.00	-0.01	CO14
		M _k	0.01	-0.02	2.55	0.00	0.00	-0.01	CO11
			0.01	-0.02	2.55	0.00	0.00	-0.01	CO11
		M _y	0.01	-0.02	2.55	0.00	0.00	-0.01	CO11
			0.01	-0.02	2.55	0.00	0.00	-0.01	CO11
		M _z	0.01	-0.01	1.72	0.00	0.00	-0.01	CO14
			0.03	-0.04	5.92	0.00	0.00	-0.02	CO12
Extremes 42			0.03	-0.01	5.92	0.00	0.00	-0.01	
			0.01	-0.04	1.72	0.00	0.00	-0.02	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
44	DS3	P_x	4.87	0.08	7.84	0.00	0.00	-0.10	CO12
			0.63	0.03	2.21	0.00	0.00	-0.03	CO14
		P_y	4.87	0.08	7.84	0.00	0.00	-0.10	CO12
			0.63	0.03	2.21	0.00	0.00	-0.03	CO14
		P_z	4.87	0.08	7.84	0.00	0.00	-0.10	CO12
			0.63	0.03	2.21	0.00	0.00	-0.03	CO14
		M_k	2.13	0.04	3.39	0.00	0.00	-0.04	CO11
			2.13	0.04	3.39	0.00	0.00	-0.04	CO11
		M_y	2.13	0.04	3.39	0.00	0.00	-0.04	CO11
			2.13	0.04	3.39	0.00	0.00	-0.04	CO11
		M_z	0.63	0.03	2.21	0.00	0.00	-0.03	CO14
			4.87	0.08	7.84	0.00	0.00	-0.10	CO12
		Extremes	4.87	0.08	7.84	0.00	0.00	-0.03	
			0.63	0.03	2.21	0.00	0.00	-0.10	
47	DS3	P_x	-0.98	0.03	2.18	0.00	0.00	0.03	CO14
			-6.73	0.09	7.75	0.00	0.00	0.09	CO12
		P_y	-6.73	0.09	7.75	0.00	0.00	0.09	CO12
			-0.98	0.03	2.18	0.00	0.00	0.03	CO14
		P_z	-6.73	0.09	7.75	0.00	0.00	0.09	CO12
			-0.98	0.03	2.18	0.00	0.00	0.03	CO14
		M_k	-2.95	0.04	3.35	0.00	0.00	0.04	CO11
			-2.95	0.04	3.35	0.00	0.00	0.04	CO11
		M_y	-2.95	0.04	3.35	0.00	0.00	0.04	CO11
			-2.95	0.04	3.35	0.00	0.00	0.04	CO11
		M_z	-6.73	0.09	7.75	0.00	0.00	0.09	CO12
			-0.98	0.03	2.18	0.00	0.00	0.03	CO14
		Extremes	-0.98	0.09	7.75	0.00	0.00	0.09	
			-6.73	0.03	2.18	0.00	0.00	0.03	
49	DS3	P_x	4.87	-0.09	7.83	0.00	0.00	0.10	CO12
			0.63	-0.03	2.20	0.00	0.00	0.03	CO14
		P_y	4.87	-0.03	7.83	0.00	0.00	0.03	CO14
			0.63	-0.09	2.20	0.00	0.00	0.10	CO12
		P_z	4.87	-0.09	7.83	0.00	0.00	0.10	CO12
			0.63	-0.03	2.20	0.00	0.00	0.03	CO14
		M_k	2.13	-0.04	3.39	0.00	0.00	0.04	CO11
			2.13	-0.04	3.39	0.00	0.00	0.04	CO11
		M_y	2.13	-0.04	3.39	0.00	0.00	0.04	CO11
			2.13	-0.04	3.39	0.00	0.00	0.04	CO11
		M_z	4.87	-0.09	7.83	0.00	0.00	0.10	CO12
			0.63	-0.03	2.20	0.00	0.00	0.03	CO14
		Extremes	4.87	-0.03	7.83	0.00	0.00	0.10	
			0.63	-0.09	2.20	0.00	0.00	0.03	
52	DS3	P_x	-0.69	-0.02	2.18	0.00	0.00	-0.03	CO14
			-5.23	-0.08	7.75	0.00	0.00	-0.09	CO12
		P_y	-0.69	-0.02	2.18	0.00	0.00	-0.03	CO14
			-5.23	-0.08	7.75	0.00	0.00	-0.09	CO12
		P_z	-0.69	-0.02	2.18	0.00	0.00	-0.03	CO14
			-5.23	-0.08	7.75	0.00	0.00	-0.09	CO12
		M_k	-2.28	-0.03	3.35	0.00	0.00	-0.04	CO11
			-2.28	-0.03	3.35	0.00	0.00	-0.04	CO11
		M_y	-2.28	-0.03	3.35	0.00	0.00	-0.04	CO11
			-2.28	-0.03	3.35	0.00	0.00	-0.04	CO11
		M_z	-0.69	-0.02	2.18	0.00	0.00	-0.03	CO14
			-5.23	-0.08	7.75	0.00	0.00	-0.09	CO12
		Extremes	-0.69	-0.02	7.75	0.00	0.00	-0.03	
			-5.23	-0.08	2.18	0.00	0.00	-0.09	
54	DS3	P_x	0.00	0.00	1.77	0.00	0.00	0.00	CO14
			0.00	0.00	6.20	0.00	0.00	0.00	CO12
		P_y	0.00	0.00	1.77	0.00	0.00	0.00	CO14
			0.00	0.00	6.20	0.00	0.00	0.00	CO12
		P_z	0.00	0.00	6.20	0.00	0.00	0.00	CO12
			0.00	0.00	1.77	0.00	0.00	0.00	CO14
		M_k	0.00	0.00	2.67	0.00	0.00	0.00	CO11
			0.00	0.00	2.67	0.00	0.00	0.00	CO11
		M_y	0.00	0.00	2.67	0.00	0.00	0.00	CO11
			0.00	0.00	2.67	0.00	0.00	0.00	CO11
		M_z	0.00	0.00	6.20	0.00	0.00	0.00	CO12
			0.00	0.00	1.77	0.00	0.00	0.00	CO14
		Extremes	0.00	0.00	6.20	0.00	0.00	0.00	
			0.00	0.00	1.77	0.00	0.00	0.00	
57	DS3	P_x	0.02	0.00	6.01	0.00	0.00	0.00	CO12
			0.00	0.00	1.74	0.00	0.00	0.00	CO14

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
57		P_y	0.02	0.00	5.50	0.00	0.00	0.00	CO13
			0.01	0.00	2.59	0.00	0.00	0.00	CO11
		P_z	0.02	0.00	6.01	0.00	0.00	0.00	CO12
			0.00	0.00	1.74	0.00	0.00	0.00	CO14
		M_k	0.01	0.00	2.59	0.00	0.00	0.00	CO11
			0.01	0.00	2.59	0.00	0.00	0.00	CO11
		M_y	0.01	0.00	2.59	0.00	0.00	0.00	CO11
			0.01	0.00	2.59	0.00	0.00	0.00	CO11
		M_z	0.01	0.00	3.45	0.00	0.00	0.00	CO15
			0.01	0.00	2.59	0.00	0.00	0.00	CO11
		Extremes	0.02	0.00	6.01	0.00	0.00	0.00	
			0.00	0.00	1.74	0.00	0.00	0.00	
59	DS3	P_x	4.81	0.08	7.80	0.00	0.00	-0.09	CO12
			0.62	0.03	2.20	0.00	0.00	-0.03	CO14
		P_y	4.81	0.08	7.80	0.00	0.00	-0.09	CO12
			0.62	0.03	2.20	0.00	0.00	-0.03	CO14
		P_z	4.81	0.08	7.80	0.00	0.00	-0.09	CO12
			0.62	0.03	2.20	0.00	0.00	-0.03	CO14
		M_k	2.10	0.04	3.37	0.00	0.00	-0.04	CO11
			2.10	0.04	3.37	0.00	0.00	-0.04	CO11
		M_y	2.10	0.04	3.37	0.00	0.00	-0.04	CO11
			2.10	0.04	3.37	0.00	0.00	-0.04	CO11
		M_z	0.62	0.03	2.20	0.00	0.00	-0.03	CO14
			4.81	0.08	7.80	0.00	0.00	-0.09	CO12
62	DS3	P_x	-0.93	0.02	2.21	0.00	0.00	0.03	CO14
			-6.46	0.08	7.85	0.00	0.00	0.09	CO12
		P_y	-6.46	0.08	7.85	0.00	0.00	0.09	CO12
			-0.93	0.02	2.21	0.00	0.00	0.03	CO14
		P_z	-6.46	0.08	7.85	0.00	0.00	0.09	CO12
			-0.93	0.02	2.21	0.00	0.00	0.03	CO14
		M_k	-2.83	0.04	3.40	0.00	0.00	0.04	CO11
			-2.83	0.04	3.40	0.00	0.00	0.04	CO11
		M_y	-2.83	0.04	3.40	0.00	0.00	0.04	CO11
			-2.83	0.04	3.40	0.00	0.00	0.04	CO11
		M_z	-6.46	0.08	7.85	0.00	0.00	0.09	CO12
			-0.93	0.02	2.21	0.00	0.00	0.03	CO14
64	DS3	P_x	4.81	-0.08	7.79	0.00	0.00	0.10	CO12
			0.62	-0.03	2.19	0.00	0.00	0.03	CO14
		P_y	4.81	-0.08	7.79	0.00	0.00	0.10	CO12
			0.62	-0.03	2.19	0.00	0.00	0.03	CO14
		P_z	4.81	-0.08	7.79	0.00	0.00	0.10	CO12
			0.62	-0.03	2.19	0.00	0.00	0.03	CO14
		M_k	2.10	-0.04	3.37	0.00	0.00	0.04	CO11
			2.10	-0.04	3.37	0.00	0.00	0.04	CO11
		M_y	2.10	-0.04	3.37	0.00	0.00	0.04	CO11
			2.10	-0.04	3.37	0.00	0.00	0.04	CO11
		M_z	4.81	-0.08	7.79	0.00	0.00	0.10	CO12
			0.62	-0.03	2.19	0.00	0.00	0.03	CO14
67	DS3	P_x	-0.61	-0.02	2.20	0.00	0.00	-0.03	CO14
			-4.72	-0.08	7.79	0.00	0.00	-0.09	CO12
		P_y	-0.61	-0.02	2.20	0.00	0.00	-0.03	CO14
			-4.72	-0.08	7.79	0.00	0.00	-0.09	CO12
		P_z	-4.72	-0.08	7.79	0.00	0.00	-0.09	CO12
			-0.61	-0.02	2.20	0.00	0.00	-0.03	CO14
		M_k	-2.06	-0.04	3.37	0.00	0.00	-0.04	CO11
			-2.06	-0.04	3.37	0.00	0.00	-0.04	CO11
		M_y	-2.06	-0.04	3.37	0.00	0.00	-0.04	CO11
			-2.06	-0.04	3.37	0.00	0.00	-0.04	CO11
		M_z	-0.61	-0.02	2.20	0.00	0.00	-0.03	CO14
			-4.72	-0.08	7.79	0.00	0.00	-0.09	CO12
69	DS3	P_x	0.00	0.00	1.77	0.00	0.00	0.00	CO14
			0.00	0.01	6.20	0.00	0.00	-0.01	CO12
		P_y	0.00	0.01	6.20	0.00	0.00	-0.01	CO12
			0.00	0.00	1.77	0.00	0.00	0.00	CO14

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
69		P _z	0.00	0.01	6.20	0.00	0.00	-0.01	CO12
			0.00	0.00	1.77	0.00	0.00	0.00	CO14
		M _k	0.00	0.00	2.67	0.00	0.00	0.00	CO11
			0.00	0.00	2.67	0.00	0.00	0.00	CO11
		M _y	0.00	0.00	2.67	0.00	0.00	0.00	CO11
			0.00	0.00	2.67	0.00	0.00	0.00	CO11
		M _z	0.00	0.00	1.77	0.00	0.00	0.00	CO14
			0.00	0.01	6.20	0.00	0.00	-0.01	CO12
		Extremes	0.00	0.01	6.20	0.00	0.00	0.00	
			0.00	0.00	1.77	0.00	0.00	-0.01	
72	DS3	P _x	0.03	0.00	5.95	0.00	0.00	0.00	CO12
			0.01	0.00	1.72	0.00	0.00	0.00	CO14
		P _y	0.01	0.00	1.72	0.00	0.00	0.00	CO14
			0.03	0.00	5.95	0.00	0.00	0.00	CO12
		P _z	0.03	0.00	5.95	0.00	0.00	0.00	CO12
			0.01	0.00	1.72	0.00	0.00	0.00	CO14
		M _k	0.01	0.00	2.56	0.00	0.00	0.00	CO11
			0.01	0.00	2.56	0.00	0.00	0.00	CO11
		M _y	0.01	0.00	2.56	0.00	0.00	0.00	CO11
			0.01	0.00	2.56	0.00	0.00	0.00	CO11
74	DS3	P _x	4.93	0.09	7.85	0.00	0.00	-0.10	CO12
			0.63	0.03	2.21	0.00	0.00	-0.03	CO14
		P _y	4.93	0.09	7.85	0.00	0.00	-0.10	CO12
			0.63	0.03	2.21	0.00	0.00	-0.03	CO14
		P _z	4.93	0.09	7.85	0.00	0.00	-0.10	CO12
			0.63	0.03	2.21	0.00	0.00	-0.03	CO14
		M _k	2.15	0.04	3.40	0.00	0.00	-0.04	CO11
			2.15	0.04	3.40	0.00	0.00	-0.04	CO11
		M _y	2.15	0.04	3.40	0.00	0.00	-0.04	CO11
			2.15	0.04	3.40	0.00	0.00	-0.04	CO11
77	DS3	P _x	-0.96	0.03	2.21	0.00	0.00	0.03	CO14
			-6.70	0.09	7.85	0.00	0.00	0.10	CO12
		P _y	-6.70	0.09	7.85	0.00	0.00	0.10	CO12
			-0.96	0.03	2.21	0.00	0.00	0.03	CO14
		P _z	-6.70	0.09	7.85	0.00	0.00	0.10	CO12
			-0.96	0.03	2.21	0.00	0.00	0.03	CO14
		M _k	-2.93	0.04	3.39	0.00	0.00	0.04	CO11
			-2.93	0.04	3.39	0.00	0.00	0.04	CO11
		M _y	-2.93	0.04	3.39	0.00	0.00	0.04	CO11
			-2.93	0.04	3.39	0.00	0.00	0.04	CO11
79	DS3	P _x	4.94	-0.08	7.90	0.00	0.00	0.10	CO12
			0.63	-0.02	2.22	0.00	0.00	0.03	CO14
		P _y	4.94	-0.08	7.90	0.00	0.00	0.10	CO12
			0.63	-0.02	2.22	0.00	0.00	0.03	CO14
		P _z	4.94	-0.08	7.90	0.00	0.00	0.10	CO12
			0.63	-0.02	2.22	0.00	0.00	0.03	CO14
		M _k	2.16	-0.04	3.42	0.00	0.00	0.04	CO11
			2.16	-0.04	3.42	0.00	0.00	0.04	CO11
		M _y	2.16	-0.04	3.42	0.00	0.00	0.04	CO11
			2.16	-0.04	3.42	0.00	0.00	0.04	CO11
82	DS3	P _x	-0.75	-0.02	2.22	0.00	0.00	-0.03	CO14
			-5.66	-0.08	7.90	0.00	0.00	-0.09	CO12
		P _y	-0.75	-0.02	2.22	0.00	0.00	-0.03	CO14
			-5.66	-0.08	7.90	0.00	0.00	-0.09	CO12
		P _z	-5.66	-0.08	7.90	0.00	0.00	-0.09	CO12
			-0.75	-0.02	2.22	0.00	0.00	-0.03	CO14

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
82		M _k	-2.47	-0.03	3.42	0.00	0.00	-0.04	CO11
			-2.47	-0.03	3.42	0.00	0.00	-0.04	CO11
		M _y	-2.47	-0.03	3.42	0.00	0.00	-0.04	CO11
			-2.47	-0.03	3.42	0.00	0.00	-0.04	CO11
		M _z	-0.75	-0.02	2.22	0.00	0.00	-0.03	CO14
			-5.66	-0.08	7.90	0.00	0.00	-0.09	CO12
		Extremes	-0.75	-0.02	7.90	0.00	0.00	-0.03	
			-5.66	-0.08	2.22	0.00	0.00	-0.09	
84	DS3	P _x	0.00	-0.01	1.78	0.00	0.00	0.01	CO14
			0.00	-0.03	6.20	0.00	0.00	0.02	CO12
		P _y	0.00	-0.01	1.78	0.00	0.00	0.01	CO14
			0.00	-0.03	6.20	0.00	0.00	0.02	CO12
		P _z	0.00	-0.03	6.20	0.00	0.00	0.02	CO12
			0.00	-0.01	1.78	0.00	0.00	0.01	CO14
		M _k	0.00	-0.02	2.67	0.00	0.00	0.01	CO11
			0.00	-0.02	2.67	0.00	0.00	0.01	CO11
		M _y	0.00	-0.02	2.67	0.00	0.00	0.01	CO11
			0.00	-0.02	2.67	0.00	0.00	0.01	CO11
		M _z	0.00	-0.03	6.20	0.00	0.00	0.02	CO12
			0.00	-0.01	1.78	0.00	0.00	0.01	CO14
		Extremes	0.00	-0.01	6.20	0.00	0.00	0.02	
			0.00	-0.03	1.78	0.00	0.00	0.01	
87	DS3	P _x	0.01	-0.02	6.14	0.00	0.00	-0.02	CO12
			0.00	-0.01	1.76	0.00	0.00	0.00	CO14
		P _y	0.00	-0.01	1.76	0.00	0.00	0.00	CO14
			0.01	-0.02	6.14	0.00	0.00	-0.02	CO12
		P _z	0.01	-0.02	6.14	0.00	0.00	-0.02	CO12
			0.00	-0.01	1.76	0.00	0.00	0.00	CO14
		M _k	0.00	-0.01	2.65	0.00	0.00	-0.01	CO11
			0.00	-0.01	2.65	0.00	0.00	-0.01	CO11
		M _y	0.00	-0.01	2.65	0.00	0.00	-0.01	CO11
			0.00	-0.01	2.65	0.00	0.00	-0.01	CO11
		M _z	0.00	-0.01	1.76	0.00	0.00	0.00	CO14
			0.01	-0.02	6.14	0.00	0.00	-0.02	CO12
		Extremes	0.01	-0.01	6.14	0.00	0.00	0.00	
			0.00	-0.02	1.76	0.00	0.00	-0.02	
89	DS3	P _x	4.42	0.07	7.66	0.00	0.00	-0.08	CO12
			0.60	0.02	2.16	0.00	0.00	-0.03	CO14
		P _y	4.42	0.07	7.66	0.00	0.00	-0.08	CO12
			0.60	0.02	2.16	0.00	0.00	-0.03	CO14
		P _z	4.42	0.07	7.66	0.00	0.00	-0.08	CO12
			0.60	0.02	2.16	0.00	0.00	-0.03	CO14
		M _k	1.93	0.03	3.31	0.00	0.00	-0.03	CO11
			1.93	0.03	3.31	0.00	0.00	-0.03	CO11
		M _y	1.93	0.03	3.31	0.00	0.00	-0.03	CO11
			1.93	0.03	3.31	0.00	0.00	-0.03	CO11
		M _z	0.60	0.02	2.16	0.00	0.00	-0.03	CO14
			4.42	0.07	7.66	0.00	0.00	-0.08	CO12
		Extremes	4.42	0.07	7.66	0.00	0.00	-0.03	
			0.60	0.02	2.16	0.00	0.00	-0.08	
92	DS3	P _x	-0.87	0.02	2.18	0.00	0.00	0.03	CO14
			-5.84	0.07	7.72	0.00	0.00	0.08	CO12
		P _y	-5.84	0.07	7.72	0.00	0.00	0.08	CO12
			-0.87	0.02	2.18	0.00	0.00	0.03	CO14
		P _z	-5.84	0.07	7.72	0.00	0.00	0.08	CO12
			-0.87	0.02	2.18	0.00	0.00	0.03	CO14
		M _k	-2.55	0.03	3.34	0.00	0.00	0.04	CO11
			-2.55	0.03	3.34	0.00	0.00	0.04	CO11
		M _y	-2.55	0.03	3.34	0.00	0.00	0.04	CO11
			-2.55	0.03	3.34	0.00	0.00	0.04	CO11
		M _z	-5.84	0.07	7.72	0.00	0.00	0.08	CO12
			-0.87	0.02	2.18	0.00	0.00	0.03	CO14
		Extremes	-0.87	0.07	7.72	0.00	0.00	0.08	
			-5.84	0.02	2.18	0.00	0.00	0.03	
94	DS3	P _x	4.34	-0.09	7.43	0.00	0.00	0.09	CO12
			0.60	-0.03	2.11	0.00	0.00	0.03	CO14
		P _y	0.60	-0.03	2.11	0.00	0.00	0.03	CO14
			4.34	-0.09	7.43	0.00	0.00	0.09	CO12
		P _z	4.34	-0.09	7.43	0.00	0.00	0.09	CO12
			0.60	-0.03	2.11	0.00	0.00	0.03	CO14
		M _k	1.89	-0.04	3.21	0.00	0.00	0.04	CO11
			1.89	-0.04	3.21	0.00	0.00	0.04	CO11

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment	
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading	
94		M _y	1.89	-0.04	3.21	0.00	0.00	0.04	CO11	
			1.89	-0.04	3.21	0.00	0.00	0.04	CO11	
		M _z	4.34	-0.09	7.43	0.00	0.00	0.09	CO12	
			0.60	-0.03	2.11	0.00	0.00	0.03	CO14	
			4.34	-0.03	7.43	0.00	0.00	0.09		
Extremes 94		0.60	-0.09	2.11	0.00	0.00	0.03			
97	DS3	P _x	-0.18	-0.03	2.06	0.00	0.00	-0.03	CO14	
			-1.70	-0.09	7.22	0.00	0.00	-0.10	CO12	
		P _y	-0.18	-0.03	2.06	0.00	0.00	-0.03	CO14	
			-1.70	-0.09	7.22	0.00	0.00	-0.10	CO12	
		P _z	-1.70	-0.09	7.22	0.00	0.00	-0.10	CO12	
			-0.18	-0.03	2.06	0.00	0.00	-0.03	CO14	
		M _x	-0.74	-0.04	3.12	0.00	0.00	-0.04	CO11	
			-0.74	-0.04	3.12	0.00	0.00	-0.04	CO11	
		M _y	-0.74	-0.04	3.12	0.00	0.00	-0.04	CO11	
			-0.74	-0.04	3.12	0.00	0.00	-0.04	CO11	
		M _z	-0.18	-0.03	2.06	0.00	0.00	-0.03	CO14	
			-1.70	-0.09	7.22	0.00	0.00	-0.10	CO12	
		Extremes 97		-0.18	-0.03	7.22	0.00	0.00	-0.03	
				-1.70	-0.09	2.06	0.00	0.00	-0.10	
99	DS3	P _x	0.00	0.04	1.77	0.00	0.00	-0.03	CO14	
			0.00	0.15	6.18	0.00	0.00	-0.10	CO12	
		P _y	0.00	0.15	6.18	0.00	0.00	-0.10	CO12	
			0.00	0.04	1.77	0.00	0.00	-0.03	CO14	
		P _z	0.00	0.15	6.18	0.00	0.00	-0.10	CO12	
			0.00	0.04	1.77	0.00	0.00	-0.03	CO14	
		M _x	0.00	0.07	2.67	0.00	0.00	-0.04	CO11	
			0.00	0.07	2.67	0.00	0.00	-0.04	CO11	
		M _y	0.00	0.07	2.67	0.00	0.00	-0.04	CO11	
			0.00	0.07	2.67	0.00	0.00	-0.04	CO11	
		M _z	0.00	0.04	1.77	0.00	0.00	-0.03	CO14	
			0.00	0.15	6.18	0.00	0.00	-0.10	CO12	
		Extremes 99		0.00	0.15	6.18	0.00	0.00	-0.03	
				0.00	0.04	1.77	0.00	0.00	-0.10	
102	DS3	P _x	0.13	0.13	5.01	0.00	0.00	0.09	CO12	
			0.02	0.04	1.54	0.00	0.00	0.03	CO14	
		P _y	0.13	0.13	5.01	0.00	0.00	0.09	CO12	
			0.02	0.04	1.54	0.00	0.00	0.03	CO14	
		P _z	0.13	0.13	5.01	0.00	0.00	0.09	CO12	
			0.02	0.04	1.54	0.00	0.00	0.03	CO14	
		M _x	0.06	0.06	2.15	0.00	0.00	0.04	CO11	
			0.06	0.06	2.15	0.00	0.00	0.04	CO11	
		M _y	0.06	0.06	2.15	0.00	0.00	0.04	CO11	
			0.06	0.06	2.15	0.00	0.00	0.04	CO11	
		M _z	0.13	0.13	5.01	0.00	0.00	0.09	CO12	
			0.02	0.04	1.54	0.00	0.00	0.03	CO14	
		Extremes 102		0.13	0.13	5.01	0.00	0.00	0.09	
				0.02	0.04	1.54	0.00	0.00	0.03	
104	DS3	P _x	7.00	0.14	8.62	0.00	0.00	-0.18	CO12	
			0.79	0.04	2.40	0.00	0.00	-0.05	CO14	
		P _y	7.00	0.14	8.62	0.00	0.00	-0.18	CO12	
			0.79	0.04	2.40	0.00	0.00	-0.05	CO14	
		P _z	7.00	0.14	8.62	0.00	0.00	-0.18	CO12	
			0.79	0.04	2.40	0.00	0.00	-0.05	CO14	
		M _x	3.06	0.06	3.74	0.00	0.00	-0.08	CO11	
			3.06	0.06	3.74	0.00	0.00	-0.08	CO11	
		M _y	3.06	0.06	3.74	0.00	0.00	-0.08	CO11	
			3.06	0.06	3.74	0.00	0.00	-0.08	CO11	
		M _z	0.79	0.04	2.40	0.00	0.00	-0.05	CO14	
			7.00	0.14	8.62	0.00	0.00	-0.18	CO12	
		Extremes 104		7.00	0.14	8.62	0.00	0.00	-0.05	
				0.79	0.04	2.40	0.00	0.00	-0.18	
107	DS3	P _x	-0.42	0.04	2.36	0.00	0.00	0.05	CO14	
			-4.18	0.13	8.48	0.00	0.00	0.17	CO12	
		P _y	-4.18	0.13	8.48	0.00	0.00	0.17	CO12	
			-0.42	0.04	2.36	0.00	0.00	0.05	CO14	
		P _z	-4.18	0.13	8.48	0.00	0.00	0.17	CO12	
			-0.42	0.04	2.36	0.00	0.00	0.05	CO14	
		M _x	-1.84	0.06	3.67	0.00	0.00	0.07	CO11	
			-1.84	0.06	3.67	0.00	0.00	0.07	CO11	
		M _y	-1.84	0.06	3.67	0.00	0.00	0.07	CO11	
			-1.84	0.06	3.67	0.00	0.00	0.07	CO11	

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
107 Extremes 107		M_z	-4.18	0.13	8.48	0.00	0.00	0.17	CO12
			-0.42	0.04	2.36	0.00	0.00	0.05	CO14
			-0.42	0.13	8.48	0.00	0.00	0.17	
			-4.18	0.04	2.36	0.00	0.00	0.05	
109 Extremes 109	DS3	P_x	7.65	-0.04	9.66	0.00	0.00	0.10	CO12
			0.81	-0.01	2.66	0.00	0.00	0.03	CO14
		P_y	0.81	-0.01	2.66	0.00	0.00	0.03	CO14
			7.65	-0.04	9.66	0.00	0.00	0.10	CO12
		P_z	7.65	-0.04	9.66	0.00	0.00	0.10	CO12
			0.81	-0.01	2.66	0.00	0.00	0.03	CO14
		M_k	3.35	-0.02	4.19	0.00	0.00	0.04	CO11
			3.35	-0.02	4.19	0.00	0.00	0.04	CO11
		M_y	3.35	-0.02	4.19	0.00	0.00	0.04	CO11
			3.35	-0.02	4.19	0.00	0.00	0.04	CO11
		M_z	7.65	-0.04	9.66	0.00	0.00	0.10	CO12
			0.81	-0.01	2.66	0.00	0.00	0.03	CO14
			7.65	-0.01	9.66	0.00	0.00	0.10	
			0.81	-0.01	2.66	0.00	0.00	0.03	
			7.65	-0.04	9.66	0.00	0.00	0.10	
			0.81	-0.01	2.66	0.00	0.00	0.03	
112 Extremes 112	DS3	P_x	-1.82	-0.01	2.65	0.00	0.00	-0.03	CO14
			-12.96	-0.03	9.56	0.00	0.00	-0.09	CO12
		P_y	-1.82	-0.01	2.65	0.00	0.00	-0.03	CO14
			-12.96	-0.03	9.56	0.00	0.00	-0.09	CO12
		P_z	-12.96	-0.03	9.56	0.00	0.00	-0.09	CO12
			-1.82	-0.01	2.65	0.00	0.00	-0.03	CO14
		M_k	-5.68	-0.01	4.15	0.00	0.00	-0.04	CO11
			-5.68	-0.01	4.15	0.00	0.00	-0.04	CO11
		M_y	-5.68	-0.01	4.15	0.00	0.00	-0.04	CO11
			-5.68	-0.01	4.15	0.00	0.00	-0.04	CO11
		M_z	-1.82	-0.01	2.65	0.00	0.00	-0.03	CO14
			-12.96	-0.03	9.56	0.00	0.00	-0.09	CO12
114 Extremes 114	DS3	P_x	0.00	-0.22	0.94	0.00	0.00	0.14	CO14
			0.00	-0.72	3.14	0.00	0.00	0.45	CO12
		P_y	0.00	-0.22	0.94	0.00	0.00	0.14	CO14
			0.00	-0.72	3.14	0.00	0.00	0.45	CO12
		P_z	0.00	-0.72	3.14	0.00	0.00	0.45	CO12
			0.00	-0.22	0.94	0.00	0.00	0.14	CO14
		M_k	0.00	-0.32	1.39	0.00	0.00	0.20	CO11
			0.00	-0.32	1.39	0.00	0.00	0.20	CO11
		M_y	0.00	-0.32	1.39	0.00	0.00	0.20	CO11
			0.00	-0.32	1.39	0.00	0.00	0.20	CO11
		M_z	0.00	-0.72	3.14	0.00	0.00	0.45	CO12
			0.00	-0.22	0.94	0.00	0.00	0.14	CO14
117 Extremes 117	DS3	P_x	-0.01	-0.21	1.03	0.00	0.00	-0.13	CO14
			-0.05	-0.68	3.62	0.00	0.00	-0.43	CO12
		P_y	-0.01	-0.21	1.03	0.00	0.00	-0.13	CO14
			-0.05	-0.68	3.62	0.00	0.00	-0.43	CO12
		P_z	-0.05	-0.68	3.62	0.00	0.00	-0.43	CO12
			-0.01	-0.21	1.03	0.00	0.00	-0.13	CO14
		M_k	-0.02	-0.30	1.59	0.00	0.00	-0.19	CO11
			-0.02	-0.30	1.59	0.00	0.00	-0.19	CO11
		M_y	-0.02	-0.30	1.59	0.00	0.00	-0.19	CO11
			-0.02	-0.30	1.59	0.00	0.00	-0.19	CO11
		M_z	-0.01	-0.21	1.03	0.00	0.00	-0.13	CO14
			-0.05	-0.68	3.62	0.00	0.00	-0.43	CO12
126 Extremes 117	DS3	P_x	0.01	0.02	0.23	0.00	0.00	-0.03	CO12
			0.00	0.00	0.11	0.00	0.00	0.00	CO14
		P_y	0.01	0.02	0.23	0.00	0.00	-0.03	CO12
			0.00	0.00	0.11	0.00	0.00	0.00	CO14
		P_z	0.01	0.02	0.23	0.00	0.00	-0.03	CO12
			0.00	0.00	0.11	0.00	0.00	0.00	CO14
		M_k	0.01	0.01	0.15	0.00	0.00	-0.01	CO11
			0.01	0.01	0.15	0.00	0.00	-0.01	CO11
		M_y	0.01	0.01	0.15	0.00	0.00	-0.01	CO11
			0.01	0.01	0.15	0.00	0.00	-0.01	CO11
		M_z	0.00	0.00	0.11	0.00	0.00	0.00	CO14
			0.01	0.02	0.23	0.00	0.00	-0.03	CO12

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 126			0.01 0.00	0.02 0.00	0.23 0.11	0.00 0.00	0.00 0.00	0.00 -0.03	
127	SCS DS3	P _x	1.10 0.12	-0.08 -0.01	24.59 2.97	0.00 0.00	0.00 0.00	0.82 0.09	CO12 CO14
			0.12 1.10	-0.01 -0.08	2.97 24.59	0.00 0.00	0.00 0.00	0.09 0.82	CO14 CO12
		P _y	1.10 0.12	-0.08 -0.01	24.59 2.97	0.00 0.00	0.00 0.00	0.82 0.09	CO12 CO14
			0.12 1.10	-0.01 -0.08	2.97 24.59	0.00 0.00	0.00 0.00	0.09 0.82	CO14 CO12
		P _z	0.48 0.48	-0.03 -0.03	10.81 10.81	0.00 0.00	0.00 0.00	0.36 0.36	CO11 CO11
			0.48 0.48	-0.03 -0.03	10.81 10.81	0.00 0.00	0.00 0.00	0.36 0.36	CO11 CO11
		M _k	1.10 0.12	-0.08 -0.01	24.59 2.97	0.00 0.00	0.00 0.00	0.82 0.09	CO12 CO14
			0.12 1.10	-0.01 -0.08	2.97 24.59	0.00 0.00	0.00 0.00	0.09 0.82	CO14 CO12
		M _y	0.48 0.48	-0.03 -0.03	10.81 10.81	0.00 0.00	0.00 0.00	0.36 0.36	CO11 CO11
			0.48 0.48	-0.03 -0.03	10.81 10.81	0.00 0.00	0.00 0.00	0.36 0.36	CO11 CO11
		M _z	1.10 0.12	-0.08 -0.01	24.59 2.97	0.00 0.00	0.00 0.00	0.82 0.09	CO12 CO14
			0.12 1.10	-0.01 -0.08	2.97 24.59	0.00 0.00	0.00 0.00	0.09 0.82	CO14 CO12
		Extremes 127	0.12	-0.08	2.97	0.00	0.00	0.09	
130	SCS DS3	P _x	1.61 0.18	0.02 0.00	31.61 3.81	0.00 0.00	0.00 0.00	-0.22 -0.03	CO12 CO14
			0.18 1.61	0.00 0.02	3.81 31.61	0.00 0.00	0.00 0.00	-0.03 -0.22	CO14 CO12
		P _y	1.61 0.18	0.02 0.00	31.61 3.81	0.00 0.00	0.00 0.00	-0.22 -0.03	CO12 CO14
			0.18 1.61	0.00 0.02	3.81 31.61	0.00 0.00	0.00 0.00	-0.03 -0.22	CO14 CO12
		P _z	0.71 0.71	0.01 0.01	13.90 13.90	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
			0.71 0.71	0.01 0.01	13.90 13.90	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
		M _k	1.61 0.18	0.02 0.00	31.61 3.81	0.00 0.00	0.00 0.00	-0.22 -0.03	CO12 CO14
			0.18 1.61	0.00 0.02	3.81 31.61	0.00 0.00	0.00 0.00	-0.03 -0.22	CO14 CO12
		M _y	0.71 0.71	0.01 0.01	13.90 13.90	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
			0.71 0.71	0.01 0.01	13.90 13.90	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
		M _z	1.61 0.18	0.02 0.00	31.61 3.81	0.00 0.00	0.00 0.00	-0.22 -0.03	CO12 CO14
			0.18 1.61	0.00 0.02	3.81 31.61	0.00 0.00	0.00 0.00	-0.03 -0.22	CO14 CO12
		Extremes 130	0.18	0.00	3.81	0.00	0.00	-0.22	
133	SCS DS3	P _x	1.48 0.16	-0.01 0.00	30.36 3.66	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			0.16 1.48	0.00 -0.01	3.66 30.36	0.00 0.00	0.00 0.00	0.01 0.06	CO14 CO12
		P _y	1.48 0.16	-0.01 0.00	30.36 3.66	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			0.16 1.48	0.00 -0.01	3.66 30.36	0.00 0.00	0.00 0.00	0.01 0.06	CO14 CO12
		P _z	0.65 0.65	0.00 0.00	13.35 13.35	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
			0.65 0.65	0.00 0.00	13.35 13.35	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
		M _k	1.48 0.16	-0.01 0.00	30.36 3.66	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			0.16 1.48	0.00 -0.01	3.66 30.36	0.00 0.00	0.00 0.00	0.01 0.06	CO14 CO12
		M _y	0.65 0.65	0.00 0.00	13.35 13.35	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
			0.65 0.65	0.00 0.00	13.35 13.35	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
		M _z	1.48 0.16	-0.01 0.00	30.36 3.66	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			0.16 1.48	0.00 -0.01	3.66 30.36	0.00 0.00	0.00 0.00	0.01 0.06	CO14 CO12
		Extremes 133	0.16	-0.01	3.66	0.00	0.00	0.01	
136	SCS DS3	P _x	1.51 0.17	0.00 0.00	30.61 3.69	0.00 0.00	0.00 0.00	-0.03 0.00	CO12 CO14
			0.17 1.51	0.00 0.00	3.69 30.61	0.00 0.00	0.00 0.00	0.00 -0.03	CO14 CO12
		P _y	1.51 0.17	0.00 0.00	30.61 3.69	0.00 0.00	0.00 0.00	-0.03 0.00	CO12 CO14
			0.17 1.51	0.00 0.00	3.69 30.61	0.00 0.00	0.00 0.00	0.00 -0.03	CO14 CO12
		P _z	0.66 0.66	0.00 0.00	13.46 13.46	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
			0.66 0.66	0.00 0.00	13.46 13.46	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
		M _k	1.51 0.17	0.00 0.00	30.61 3.69	0.00 0.00	0.00 0.00	-0.03 0.00	CO12 CO14
			0.17 1.51	0.00 0.00	3.69 30.61	0.00 0.00	0.00 0.00	0.00 -0.03	CO14 CO12
		M _y	0.66 0.66	0.00 0.00	13.46 13.46	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
			0.66 0.66	0.00 0.00	13.46 13.46	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
		M _z	1.51 0.17	0.00 0.00	30.61 3.69	0.00 0.00	0.00 0.00	-0.03 0.00	CO12 CO14
			0.17 1.51	0.00 0.00	3.69 30.61	0.00 0.00	0.00 0.00	0.00 -0.03	CO14 CO12
		Extremes 136	0.17	0.00	3.69	0.00	0.00	-0.03	
139	SCS DS3	P _x	1.53 0.17	-0.01 0.00	30.81 3.72	0.00 0.00	0.00 0.00	0.05 0.01	CO12 CO14
			0.17 1.53	0.00 -0.01	3.72 30.81	0.00 0.00	0.00 0.00	0.01 0.05	CO14 CO12
		P _y	1.53 0.17	-0.01 0.00	30.81 3.72	0.00 0.00	0.00 0.00	0.05 0.01	CO12 CO14
			0.17 1.53	0.00 -0.01	3.72 30.81	0.00 0.00	0.00 0.00	0.01 0.05	CO14 CO12
		P _z	0.67 0.67	0.00 0.00	13.55 13.55	0.00 0.00	0.00 0.00	0.02 0.02	CO11 CO11
			0.67 0.67	0.00 0.00	13.55 13.55	0.00 0.00	0.00 0.00	0.02 0.02	CO11 CO11
		M _k	1.53 0.17	-0.01 0.00	30.81 3.72	0.00 0.00	0.00 0.00	0.05 0.01	CO12 CO14
			0.17 1.53	0.00 -0.01	3.72 30.81	0.00 0.00	0.00 0.00	0.01 0.05	CO14 CO12
		M _y	0.67 0.67	0.00 0.00	13.55 13.55	0.00 0.00	0.00 0.00	0.02 0.02	CO11 CO11
			0.67 0.67	0.00 0.00	13.55 13.55	0.00 0.00	0.00 0.00	0.02 0.02	CO11 CO11
		M _z	1.53 0.17	-0.01 0.00	30.81 3.72	0.00 0.00	0.00 0.00	0.05 0.01	CO12 CO14
			0.17 1.53	0.00 -0.01	3.72 30.81	0.00 0.00	0.00 0.00	0.01 0.05	CO14 CO12
		Extremes 139	0.17	-0.01	3.72	0.00	0.00	0.01	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
142	DS3	P_x	1.42	0.02	29.71	0.00	0.00	-0.20	CO12
			0.15	0.00	3.58	0.00	0.00	-0.02	CO14
		P_y	1.42	0.02	29.71	0.00	0.00	-0.20	CO12
			0.15	0.00	3.58	0.00	0.00	-0.02	CO14
		P_z	1.42	0.02	29.71	0.00	0.00	-0.20	CO12
			0.15	0.00	3.58	0.00	0.00	-0.02	CO14
		M_k	0.62	0.01	13.06	0.00	0.00	-0.09	CO11
			0.62	0.01	13.06	0.00	0.00	-0.09	CO11
		M_y	0.62	0.01	13.06	0.00	0.00	-0.09	CO11
			0.62	0.01	13.06	0.00	0.00	-0.09	CO11
		M_z	0.15	0.00	3.58	0.00	0.00	-0.02	CO14
			1.42	0.02	29.71	0.00	0.00	-0.20	CO12
		Extremes 142	1.42	0.02	29.71	0.00	0.00	-0.02	
			0.15	0.00	3.58	0.00	0.00	-0.20	
145	DS3	P_x	1.86	-0.08	34.16	0.00	0.00	0.77	CO12
			0.21	-0.01	4.12	0.00	0.00	0.09	CO14
		P_y	0.21	-0.01	4.12	0.00	0.00	0.09	CO14
			1.86	-0.08	34.16	0.00	0.00	0.77	CO12
		P_z	1.86	-0.08	34.16	0.00	0.00	0.77	CO12
			0.21	-0.01	4.12	0.00	0.00	0.09	CO14
		M_k	0.82	-0.03	15.02	0.00	0.00	0.34	CO11
			0.82	-0.03	15.02	0.00	0.00	0.34	CO11
		M_y	0.82	-0.03	15.02	0.00	0.00	0.34	CO11
			0.82	-0.03	15.02	0.00	0.00	0.34	CO11
		M_z	1.86	-0.08	34.16	0.00	0.00	0.77	CO12
			0.21	-0.01	4.12	0.00	0.00	0.09	CO14
		Extremes 145	1.86	-0.01	34.16	0.00	0.00	0.77	
			0.21	-0.08	4.12	0.00	0.00	0.09	
148	DS3	P_x	1.93	0.26	12.34	0.00	0.00	-1.59	CO12
			0.21	0.04	1.56	0.00	0.00	-0.19	CO14
		P_y	1.93	0.26	12.34	0.00	0.00	-1.59	CO12
			0.21	0.04	1.56	0.00	0.00	-0.19	CO14
		P_z	1.93	0.26	12.34	0.00	0.00	-1.59	CO12
			0.21	0.04	1.56	0.00	0.00	-0.19	CO14
		M_k	0.85	0.12	5.47	0.00	0.00	-0.70	CO11
			0.85	0.12	5.47	0.00	0.00	-0.70	CO11
		M_y	0.85	0.12	5.47	0.00	0.00	-0.70	CO11
			0.85	0.12	5.47	0.00	0.00	-0.70	CO11
		M_z	0.21	0.04	1.56	0.00	0.00	-0.19	CO14
			1.93	0.26	12.34	0.00	0.00	-1.59	CO12
		Extremes 148	1.93	0.26	12.34	0.00	0.00	-0.19	
			0.21	0.04	1.56	0.00	0.00	-1.59	
149	DS3	P_x	0.00	0.00	0.10	0.00	0.00	0.00	CO14
			-0.01	0.02	0.17	0.00	0.00	0.03	CO12
		P_y	-0.01	0.02	0.17	0.00	0.00	0.03	CO12
			0.00	0.00	0.10	0.00	0.00	0.00	CO14
		P_z	-0.01	0.02	0.17	0.00	0.00	0.03	CO12
			0.00	0.00	0.10	0.00	0.00	0.00	CO14
		M_k	-0.01	0.01	0.12	0.00	0.00	0.01	CO11
			-0.01	0.01	0.12	0.00	0.00	0.01	CO11
		M_y	-0.01	0.01	0.12	0.00	0.00	0.01	CO11
			-0.01	0.01	0.12	0.00	0.00	0.01	CO11
		M_z	-0.01	0.02	0.17	0.00	0.00	0.03	CO12
			0.00	0.00	0.10	0.00	0.00	0.00	CO14
		Extremes 149	0.00	0.02	0.17	0.00	0.00	0.03	
			-0.01	0.00	0.10	0.00	0.00	0.00	
150	DS3	P_x	-0.11	-0.01	2.86	0.00	0.00	-0.10	CO14
			-1.07	-0.07	24.29	0.00	0.00	-0.83	CO12
		P_y	-0.11	-0.01	2.86	0.00	0.00	-0.10	CO14
			-1.07	-0.07	24.29	0.00	0.00	-0.83	CO12
		P_z	-1.07	-0.07	24.29	0.00	0.00	-0.83	CO12
			-0.11	-0.01	2.86	0.00	0.00	-0.10	CO14
		M_k	-0.47	-0.03	10.68	0.00	0.00	-0.37	CO11
			-0.47	-0.03	10.68	0.00	0.00	-0.37	CO11
		M_y	-0.47	-0.03	10.68	0.00	0.00	-0.37	CO11
			-0.47	-0.03	10.68	0.00	0.00	-0.37	CO11
		M_z	-0.11	-0.01	2.86	0.00	0.00	-0.10	CO14
			-1.07	-0.07	24.29	0.00	0.00	-0.83	CO12
		Extremes 150	-0.11	-0.01	24.29	0.00	0.00	-0.10	
			-1.07	-0.07	2.86	0.00	0.00	-0.83	
153	DS3	P_x	-0.19	0.00	3.80	0.00	0.00	0.04	CO14
			-1.64	0.02	31.48	0.00	0.00	0.31	CO12

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
153		P _y	-1.64	0.02	31.48	0.00	0.00	0.31	CO12
			-0.19	0.00	3.80	0.00	0.00	0.04	CO14
			-1.64	0.02	31.48	0.00	0.00	0.31	CO12
		P _z	-0.19	0.00	3.80	0.00	0.00	0.04	CO14
			-0.72	0.01	13.84	0.00	0.00	0.13	CO11
			-0.72	0.01	13.84	0.00	0.00	0.13	CO11
		M _k	-0.72	0.01	13.84	0.00	0.00	0.13	CO11
			-0.72	0.01	13.84	0.00	0.00	0.13	CO11
			-0.72	0.01	13.84	0.00	0.00	0.13	CO11
		M _y	-1.64	0.02	31.48	0.00	0.00	0.31	CO12
			-0.19	0.00	3.80	0.00	0.00	0.04	CO14
			-1.64	0.02	31.48	0.00	0.00	0.31	CO12
Extremes 153			-0.19	0.02	31.48	0.00	0.00	0.31	
156	DS3	P _x	-0.18	0.00	3.75	0.00	0.00	-0.02	CO14
			-1.59	-0.02	31.09	0.00	0.00	-0.18	CO12
			-0.18	0.00	3.75	0.00	0.00	-0.02	CO14
		P _y	-1.59	-0.02	31.09	0.00	0.00	-0.18	CO12
			-0.18	0.00	3.75	0.00	0.00	-0.02	CO14
			-1.59	-0.02	31.09	0.00	0.00	-0.18	CO12
		P _z	-0.18	0.00	3.75	0.00	0.00	-0.02	CO14
			-0.70	-0.01	13.67	0.00	0.00	-0.08	CO11
			-0.70	-0.01	13.67	0.00	0.00	-0.08	CO11
		M _k	-0.70	-0.01	13.67	0.00	0.00	-0.08	CO11
			-0.70	-0.01	13.67	0.00	0.00	-0.08	CO11
			-0.70	-0.01	13.67	0.00	0.00	-0.08	CO11
Extremes 156			-0.18	0.00	3.75	0.00	0.00	-0.02	
159	DS3	P _x	-0.14	0.01	3.29	0.00	0.00	0.10	CO14
			-1.30	0.05	27.57	0.00	0.00	0.72	CO12
			-0.14	0.01	3.29	0.00	0.00	0.10	CO14
		P _y	-1.30	0.05	27.57	0.00	0.00	0.72	CO12
			-0.14	0.01	3.29	0.00	0.00	0.10	CO14
			-1.30	0.05	27.57	0.00	0.00	0.72	CO12
		P _z	-0.14	0.01	3.29	0.00	0.00	0.10	CO14
			-0.57	0.02	12.13	0.00	0.00	0.32	CO11
			-0.57	0.02	12.13	0.00	0.00	0.32	CO11
		M _k	-0.57	0.02	12.13	0.00	0.00	0.32	CO11
			-0.57	0.02	12.13	0.00	0.00	0.32	CO11
			-0.57	0.02	12.13	0.00	0.00	0.32	CO11
Extremes 159			-1.30	0.05	27.57	0.00	0.00	0.72	
162	DS3	P _x	-0.27	-0.02	4.94	0.00	0.00	-0.33	CO14
			-2.30	-0.16	40.35	0.00	0.00	-2.59	CO12
			-0.27	-0.02	4.94	0.00	0.00	-0.33	CO14
		P _y	-2.30	-0.16	40.35	0.00	0.00	-2.59	CO12
			-0.27	-0.02	4.94	0.00	0.00	-0.33	CO14
			-2.30	-0.16	40.35	0.00	0.00	-2.59	CO12
		P _z	-0.27	-0.02	4.94	0.00	0.00	-0.33	CO14
			-1.01	-0.07	17.72	0.00	0.00	-1.13	CO11
			-1.01	-0.07	17.72	0.00	0.00	-1.13	CO11
		M _k	-1.01	-0.07	17.72	0.00	0.00	-1.13	CO11
			-1.01	-0.07	17.72	0.00	0.00	-1.13	CO11
			-1.01	-0.07	17.72	0.00	0.00	-1.13	CO11
Extremes 162			-0.27	-0.02	4.94	0.00	0.00	-0.33	
166	DS3	P _x	-0.17	0.03	3.51	0.00	0.00	0.63	CO14
			-1.54	0.24	28.72	0.00	0.00	5.08	CO12
			-0.17	0.03	3.51	0.00	0.00	0.63	CO14
		P _y	-1.54	0.24	28.72	0.00	0.00	5.08	CO12
			-0.17	0.03	3.51	0.00	0.00	0.63	CO14
			-1.54	0.24	28.72	0.00	0.00	5.08	CO12
		P _z	-0.17	0.03	3.51	0.00	0.00	0.63	CO14
			-0.68	0.10	12.69	0.00	0.00	2.21	CO11
			-0.68	0.10	12.69	0.00	0.00	2.21	CO11
		M _k	-0.68	0.10	12.69	0.00	0.00	2.21	CO11
			-0.68	0.10	12.69	0.00	0.00	2.21	CO11
			-0.68	0.10	12.69	0.00	0.00	2.21	CO11
Extremes 166			-1.54	0.24	28.72	0.00	0.00	5.08	
168	DS3	P _x	0.00	0.03	-0.15	0.00	0.00	-0.07	CO12
			0.00	0.01	-0.05	0.00	0.00	-0.02	CO14
		P _y	0.00	0.03	-0.15	0.00	0.00	-0.07	CO12
			0.00	0.01	-0.05	0.00	0.00	-0.02	CO14



Model:

VDC Kranj - statična preverba
strehe

Project:

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strehe

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
168		P _z	0.00	0.01	-0.02	0.00	0.00	-0.03	CO11
			0.00	0.03	-0.16	0.00	0.00	-0.06	CO13
		M _k	0.00	0.01	-0.02	0.00	0.00	-0.03	CO11
			0.00	0.01	-0.02	0.00	0.00	-0.03	CO11
		M _y	0.00	0.01	-0.02	0.00	0.00	-0.03	CO11
			0.00	0.01	-0.02	0.00	0.00	-0.03	CO11
		M _z	0.00	0.01	-0.05	0.00	0.00	-0.02	CO14
			0.00	0.03	-0.15	0.00	0.00	-0.07	CO12
		Extremes	0.00	0.03	-0.02	0.00	0.00	-0.02	
			0.00	0.01	-0.16	0.00	0.00	-0.07	
169	SC3 DS3	P _x	2.09	0.28	12.02	0.00	0.00	-2.17	CO12
			0.45	0.10	2.51	0.00	0.00	-0.47	CO14
		P _y	2.09	0.28	12.02	0.00	0.00	-2.17	CO12
			0.45	0.10	2.51	0.00	0.00	-0.47	CO14
		P _z	2.09	0.28	12.02	0.00	0.00	-2.17	CO12
			0.45	0.10	2.51	0.00	0.00	-0.47	CO14
		M _k	0.92	0.12	5.34	0.00	0.00	-0.95	CO11
			0.92	0.12	5.34	0.00	0.00	-0.95	CO11
		M _y	0.92	0.12	5.34	0.00	0.00	-0.95	CO11
			0.92	0.12	5.34	0.00	0.00	-0.95	CO11
		M _z	0.45	0.10	2.51	0.00	0.00	-0.47	CO14
			2.09	0.28	12.02	0.00	0.00	-2.17	CO12
		Extremes	2.09	0.28	12.02	0.00	0.00	-0.47	
			0.45	0.10	2.51	0.00	0.00	-2.17	
170	SC3 DS3	P _x	1.12	-0.08	23.53	0.00	0.00	0.98	CO12
			0.23	-0.03	4.73	0.00	0.00	0.21	CO14
		P _y	0.23	-0.03	4.73	0.00	0.00	0.21	CO14
			1.12	-0.08	23.53	0.00	0.00	0.98	CO12
		P _z	1.12	-0.08	23.53	0.00	0.00	0.98	CO12
			0.23	-0.03	4.73	0.00	0.00	0.21	CO14
		M _k	0.49	-0.04	10.36	0.00	0.00	0.43	CO11
			0.49	-0.04	10.36	0.00	0.00	0.43	CO11
		M _y	0.49	-0.04	10.36	0.00	0.00	0.43	CO11
			0.49	-0.04	10.36	0.00	0.00	0.43	CO11
		M _z	1.12	-0.08	23.53	0.00	0.00	0.98	CO12
			0.23	-0.03	4.73	0.00	0.00	0.21	CO14
		Extremes	1.12	-0.03	23.53	0.00	0.00	0.98	
			0.23	-0.08	4.73	0.00	0.00	0.21	
173	SC3 DS3	P _x	1.58	0.02	30.23	0.00	0.00	-0.27	CO12
			0.32	0.01	6.06	0.00	0.00	-0.06	CO14
		P _y	1.58	0.02	30.23	0.00	0.00	-0.27	CO12
			0.32	0.01	6.06	0.00	0.00	-0.06	CO14
		P _z	1.58	0.02	30.23	0.00	0.00	-0.27	CO12
			0.32	0.01	6.06	0.00	0.00	-0.06	CO14
		M _k	0.70	0.01	13.31	0.00	0.00	-0.12	CO11
			0.70	0.01	13.31	0.00	0.00	-0.12	CO11
		M _y	0.70	0.01	13.31	0.00	0.00	-0.12	CO11
			0.70	0.01	13.31	0.00	0.00	-0.12	CO11
		M _z	0.32	0.01	6.06	0.00	0.00	-0.06	CO14
			1.58	0.02	30.23	0.00	0.00	-0.27	CO12
		Extremes	1.58	0.02	30.23	0.00	0.00	-0.06	
			0.32	0.01	6.06	0.00	0.00	-0.27	
176	SC3 DS3	P _x	1.46	0.00	28.89	0.00	0.00	0.07	CO12
			0.29	0.00	5.76	0.00	0.00	0.02	CO14
		P _y	0.29	0.00	5.76	0.00	0.00	0.02	CO14
			1.46	0.00	28.89	0.00	0.00	0.07	CO12
		P _z	1.46	0.00	28.89	0.00	0.00	0.07	CO12
			0.29	0.00	5.76	0.00	0.00	0.02	CO14
		M _k	0.64	0.00	12.72	0.00	0.00	0.03	CO11
			0.64	0.00	12.72	0.00	0.00	0.03	CO11
		M _y	0.64	0.00	12.72	0.00	0.00	0.03	CO11
			0.64	0.00	12.72	0.00	0.00	0.03	CO11
		M _z	1.46	0.00	28.89	0.00	0.00	0.07	CO12
			0.29	0.00	5.76	0.00	0.00	0.02	CO14
		Extremes	1.46	0.00	28.89	0.00	0.00	0.07	
			0.29	0.00	5.76	0.00	0.00	0.02	
179	SC3 DS3	P _x	1.48	0.00	29.16	0.00	0.00	-0.03	CO12
			0.30	0.00	5.82	0.00	0.00	-0.01	CO14
		P _y	1.48	0.00	29.16	0.00	0.00	-0.03	CO12
			0.30	0.00	5.82	0.00	0.00	-0.01	CO14
		P _z	1.48	0.00	29.16	0.00	0.00	-0.03	CO12
			0.30	0.00	5.82	0.00	0.00	-0.01	CO14



RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
179		M_k	0.65	0.00	12.84	0.00	0.00	-0.01	CO11
			0.65	0.00	12.84	0.00	0.00	-0.01	CO11
		M_y	0.65	0.00	12.84	0.00	0.00	-0.01	CO11
			0.65	0.00	12.84	0.00	0.00	-0.01	CO11
		M_z	0.30	0.00	5.82	0.00	0.00	-0.01	CO14
			1.48	0.00	29.16	0.00	0.00	-0.03	CO12
		Extremes	1.48	0.00	29.16	0.00	0.00	-0.01	
			0.30	0.00	5.82	0.00	0.00	-0.03	
		179							
182	DS3	P_x	1.50	0.00	29.38	0.00	0.00	0.06	CO12
			0.30	0.00	5.87	0.00	0.00	0.01	CO14
		P_y	0.30	0.00	5.87	0.00	0.00	0.01	CO14
			1.50	0.00	29.38	0.00	0.00	0.06	CO12
		P_z	1.50	0.00	29.38	0.00	0.00	0.06	CO12
			0.30	0.00	5.87	0.00	0.00	0.01	CO14
		M_k	0.66	0.00	12.94	0.00	0.00	0.03	CO11
			0.66	0.00	12.94	0.00	0.00	0.03	CO11
		M_y	0.66	0.00	12.94	0.00	0.00	0.03	CO11
			0.66	0.00	12.94	0.00	0.00	0.03	CO11
		M_z	1.50	0.00	29.38	0.00	0.00	0.06	CO12
			0.30	0.00	5.87	0.00	0.00	0.01	CO14
		Extremes	1.50	0.00	29.38	0.00	0.00	0.06	
			0.30	0.00	5.87	0.00	0.00	0.01	
185	DS3	P_x	1.39	0.01	28.18	0.00	0.00	-0.24	CO12
			0.28	0.00	5.60	0.00	0.00	-0.06	CO14
		P_y	1.39	0.01	28.18	0.00	0.00	-0.24	CO12
			0.28	0.00	5.60	0.00	0.00	-0.06	CO14
		P_z	1.39	0.01	28.18	0.00	0.00	-0.24	CO12
			0.28	0.00	5.60	0.00	0.00	-0.06	CO14
		M_k	0.61	0.01	12.41	0.00	0.00	-0.11	CO11
			0.61	0.01	12.41	0.00	0.00	-0.11	CO11
		M_y	0.61	0.01	12.41	0.00	0.00	-0.11	CO11
			0.61	0.01	12.41	0.00	0.00	-0.11	CO11
		M_z	0.28	0.00	5.60	0.00	0.00	-0.06	CO14
			1.39	0.01	28.18	0.00	0.00	-0.24	CO12
		Extremes	1.39	0.01	28.18	0.00	0.00	-0.06	
			0.28	0.00	5.60	0.00	0.00	-0.24	
188	DS3	P_x	1.84	-0.07	32.98	0.00	0.00	0.96	CO12
			0.37	-0.02	6.68	0.00	0.00	0.22	CO14
		P_y	0.37	-0.02	6.68	0.00	0.00	0.22	CO14
			1.84	-0.07	32.98	0.00	0.00	0.96	CO12
		P_z	1.84	-0.07	32.98	0.00	0.00	0.96	CO12
			0.37	-0.02	6.68	0.00	0.00	0.22	CO14
		M_k	0.81	-0.03	14.52	0.00	0.00	0.42	CO11
			0.81	-0.03	14.52	0.00	0.00	0.42	CO11
		M_y	0.81	-0.03	14.52	0.00	0.00	0.42	CO11
			0.81	-0.03	14.52	0.00	0.00	0.42	CO11
		M_z	1.84	-0.07	32.98	0.00	0.00	0.96	CO12
			0.37	-0.02	6.68	0.00	0.00	0.22	CO14
		Extremes	1.84	-0.02	32.98	0.00	0.00	0.96	
			0.37	-0.07	6.68	0.00	0.00	0.22	
191	DS3	P_x	0.00	0.01	-0.04	0.00	0.00	0.02	CO14
			-0.02	0.03	-0.19	0.00	0.00	0.07	CO12
		P_y	-0.02	0.03	-0.19	0.00	0.00	0.07	CO12
			0.00	0.01	-0.04	0.00	0.00	0.02	CO14
		P_z	-0.01	0.01	-0.04	0.00	0.00	0.03	CO11
			-0.01	0.03	-0.19	0.00	0.00	0.06	CO13
		M_k	-0.01	0.01	-0.04	0.00	0.00	0.03	CO11
			-0.01	0.01	-0.04	0.00	0.00	0.03	CO11
		M_y	-0.01	0.01	-0.04	0.00	0.00	0.03	CO11
			-0.01	0.01	-0.04	0.00	0.00	0.03	CO11
		M_z	-0.02	0.03	-0.19	0.00	0.00	0.07	CO12
			0.00	0.01	-0.04	0.00	0.00	0.02	CO14
		Extremes	0.00	0.03	-0.04	0.00	0.00	0.07	
			-0.02	0.01	-0.19	0.00	0.00	0.02	
192	DS3	P_x	-0.42	0.10	2.58	0.00	0.00	0.45	CO14
			-1.76	0.30	12.57	0.00	0.00	1.96	CO12
		P_y	-1.76	0.30	12.57	0.00	0.00	1.96	CO12
			-0.42	0.10	2.58	0.00	0.00	0.45	CO14
		P_z	-1.76	0.30	12.57	0.00	0.00	1.96	CO12
			-0.42	0.10	2.58	0.00	0.00	0.45	CO14
		M_k	-0.77	0.13	5.58	0.00	0.00	0.86	CO11
			-0.77	0.13	5.58	0.00	0.00	0.86	CO11

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
192	Extremes 192	M_y	-0.77	0.13	5.58	0.00	0.00	0.86	CO11
			-0.77	0.13	5.58	0.00	0.00	0.86	CO11
		M_z	-1.76	0.30	12.57	0.00	0.00	1.96	CO12
			-0.42	0.10	2.58	0.00	0.00	0.45	CO14
			-0.42	0.30	12.57	0.00	0.00	1.96	
			-1.76	0.10	2.58	0.00	0.00	0.45	
193	DS3	P_x	-0.20	-0.03	4.85	0.00	0.00	-0.19	CO14
			-0.87	-0.08	24.42	0.00	0.00	-0.81	CO12
		P_y	-0.20	-0.03	4.85	0.00	0.00	-0.19	CO14
			-0.87	-0.08	24.42	0.00	0.00	-0.81	CO12
		P_z	-0.87	-0.08	24.42	0.00	0.00	-0.81	CO12
			-0.20	-0.03	4.85	0.00	0.00	-0.19	CO14
		M_k	-0.38	-0.04	10.75	0.00	0.00	-0.36	CO11
			-0.38	-0.04	10.75	0.00	0.00	-0.36	CO11
		M_y	-0.38	-0.04	10.75	0.00	0.00	-0.36	CO11
			-0.38	-0.04	10.75	0.00	0.00	-0.36	CO11
		M_z	-0.20	-0.03	4.85	0.00	0.00	-0.19	CO14
			-0.87	-0.08	24.42	0.00	0.00	-0.81	CO12
196	DS3	P_x	-0.26	0.01	6.22	0.00	0.00	0.06	CO14
			-1.10	0.02	31.40	0.00	0.00	0.26	CO12
		P_y	-1.10	0.02	31.40	0.00	0.00	0.26	CO12
			-0.26	0.01	6.22	0.00	0.00	0.06	CO14
		P_z	-1.10	0.02	31.40	0.00	0.00	0.26	CO12
			-0.26	0.01	6.22	0.00	0.00	0.06	CO14
		M_k	-0.49	0.01	13.82	0.00	0.00	0.11	CO11
			-0.49	0.01	13.82	0.00	0.00	0.11	CO11
		M_y	-0.49	0.01	13.82	0.00	0.00	0.11	CO11
			-0.49	0.01	13.82	0.00	0.00	0.11	CO11
		M_z	-1.10	0.02	31.40	0.00	0.00	0.26	CO12
			-0.26	0.01	6.22	0.00	0.00	0.06	CO14
199	DS3	P_x	-0.23	0.00	5.91	0.00	0.00	-0.02	CO14
			-1.00	-0.01	29.97	0.00	0.00	-0.07	CO12
		P_y	-0.23	0.00	5.91	0.00	0.00	-0.02	CO14
			-1.00	-0.01	29.97	0.00	0.00	-0.07	CO12
		P_z	-1.00	-0.01	29.97	0.00	0.00	-0.07	CO12
			-0.23	0.00	5.91	0.00	0.00	-0.02	CO14
		M_k	-0.44	0.00	13.19	0.00	0.00	-0.03	CO11
			-0.44	0.00	13.19	0.00	0.00	-0.03	CO11
		M_y	-0.44	0.00	13.19	0.00	0.00	-0.03	CO11
			-0.44	0.00	13.19	0.00	0.00	-0.03	CO11
		M_z	-0.23	0.00	5.91	0.00	0.00	-0.02	CO14
			-1.00	-0.01	29.97	0.00	0.00	-0.07	CO12
202	DS3	P_x	-0.24	0.00	5.98	0.00	0.00	0.01	CO14
			-1.02	0.00	30.26	0.00	0.00	0.03	CO12
		P_y	-1.02	0.00	30.26	0.00	0.00	0.03	CO12
			-0.24	0.00	5.98	0.00	0.00	0.01	CO14
		P_z	-1.02	0.00	30.26	0.00	0.00	0.03	CO12
			-0.24	0.00	5.98	0.00	0.00	0.01	CO14
		M_k	-0.45	0.00	13.32	0.00	0.00	0.01	CO11
			-0.45	0.00	13.32	0.00	0.00	0.01	CO11
		M_y	-0.45	0.00	13.32	0.00	0.00	0.01	CO11
			-0.45	0.00	13.32	0.00	0.00	0.01	CO11
		M_z	-1.02	0.00	30.26	0.00	0.00	0.03	CO12
			-0.24	0.00	5.98	0.00	0.00	0.01	CO14
205	DS3	P_x	-0.24	0.00	6.03	0.00	0.00	-0.01	CO14
			-1.04	0.00	30.49	0.00	0.00	-0.06	CO12
		P_y	-0.24	0.00	6.03	0.00	0.00	-0.01	CO14
			-1.04	0.00	30.49	0.00	0.00	-0.06	CO12
		P_z	-1.04	0.00	30.49	0.00	0.00	-0.06	CO12
			-0.24	0.00	6.03	0.00	0.00	-0.01	CO14
		M_k	-0.46	0.00	13.42	0.00	0.00	-0.03	CO11
			-0.46	0.00	13.42	0.00	0.00	-0.03	CO11
		M_y	-0.46	0.00	13.42	0.00	0.00	-0.03	CO11
			-0.46	0.00	13.42	0.00	0.00	-0.03	CO11
			-0.46	0.00	13.42	0.00	0.00	-0.03	CO11
			-0.46	0.00	13.42	0.00	0.00	-0.03	CO11

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
205	Extremes 205	M _z	-0.24	0.00	6.03	0.00	0.00	-0.01	CO14
			-1.04	0.00	30.49	0.00	0.00	-0.06	CO12
			-0.24	0.00	30.49	0.00	0.00	-0.01	
			-1.04	0.00	6.03	0.00	0.00	-0.06	
208	DS3	P _x	-0.22	0.00	5.75	0.00	0.00	0.06	CO14
			-0.94	0.02	29.22	0.00	0.00	0.24	CO12
			-0.94	0.02	29.22	0.00	0.00	0.24	CO12
		P _y	-0.22	0.00	5.75	0.00	0.00	0.06	CO14
			-0.94	0.02	29.22	0.00	0.00	0.24	CO12
			-0.94	0.02	29.22	0.00	0.00	0.24	CO12
		P _z	-0.22	0.00	5.75	0.00	0.00	0.06	CO14
			-0.42	0.01	12.86	0.00	0.00	0.10	CO11
			-0.42	0.01	12.86	0.00	0.00	0.10	CO11
		M _x	-0.42	0.01	12.86	0.00	0.00	0.10	CO11
			-0.42	0.01	12.86	0.00	0.00	0.10	CO11
			-0.42	0.01	12.86	0.00	0.00	0.10	CO11
		M _y	-0.42	0.01	12.86	0.00	0.00	0.10	CO11
			-0.94	0.02	29.22	0.00	0.00	0.24	CO12
			-0.94	0.02	29.22	0.00	0.00	0.24	CO12
211	Extremes 211	DS3	-0.31	-0.02	6.86	0.00	0.00	-0.21	CO14
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
			-0.31	-0.02	6.86	0.00	0.00	-0.21	CO14
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
			-0.31	-0.02	6.86	0.00	0.00	-0.21	CO14
214	DS3	P _x	-0.58	-0.03	15.10	0.00	0.00	-0.40	CO11
			-0.58	-0.03	15.10	0.00	0.00	-0.40	CO11
			-0.58	-0.03	15.10	0.00	0.00	-0.40	CO11
		P _y	-0.58	-0.03	15.10	0.00	0.00	-0.40	CO11
			-0.58	-0.03	15.10	0.00	0.00	-0.40	CO11
			-0.58	-0.03	15.10	0.00	0.00	-0.40	CO11
		P _z	-0.31	-0.02	6.86	0.00	0.00	-0.21	CO14
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
		M _x	-0.31	-0.02	6.86	0.00	0.00	-0.21	CO14
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
		M _y	-0.31	-0.02	6.86	0.00	0.00	-0.21	CO14
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
			-1.32	-0.07	34.32	0.00	0.00	-0.91	CO12
215	DS3	P _x	0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
			0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
		P _y	0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
			0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
			0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
		P _z	0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
			0.01	0.03	-0.19	0.00	0.00	-0.06	CO13
			0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
		M _x	0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
			0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
			0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
		M _y	0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
			0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
			0.01	0.01	-0.04	0.00	0.00	-0.03	CO11
216	DS3	P _x	0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
		P _y	0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
		P _z	0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
		M _x	0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
		M _y	0.00	0.01	-0.04	0.00	0.00	-0.02	CO14
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12
			0.02	0.03	-0.18	0.00	0.00	-0.07	CO12



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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Sheet 1

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 216			0.87 0.20	-0.03 -0.08	24.41 4.85	0.00 0.00	0.00 0.00	0.81 0.19	
219	DS3	P _x	1.10 0.26	0.02 0.01	31.40 6.22	0.00 0.00	0.00 0.00	-0.26 -0.06	CO12 CO14
			1.10 0.26	0.02 0.01	31.40 6.22	0.00 0.00	0.00 0.00	-0.26 -0.06	CO12 CO14
		P _y	1.10 0.26	0.02 0.01	31.40 6.22	0.00 0.00	0.00 0.00	-0.26 -0.06	CO12 CO14
			1.10 0.26	0.02 0.01	31.40 6.22	0.00 0.00	0.00 0.00	-0.26 -0.06	CO12 CO14
		P _z	1.10 0.26	0.02 0.01	31.40 6.22	0.00 0.00	0.00 0.00	-0.26 -0.06	CO12 CO14
			1.10 0.26	0.02 0.01	31.40 6.22	0.00 0.00	0.00 0.00	-0.26 -0.06	CO12 CO14
		M _k	0.49 0.49	0.01 0.01	13.82 13.82	0.00 0.00	0.00 0.00	-0.11 -0.11	CO11 CO11
			0.49 0.49	0.01 0.01	13.82 13.82	0.00 0.00	0.00 0.00	-0.11 -0.11	CO11 CO11
		M _y	0.49 0.49	0.01 0.01	13.82 13.82	0.00 0.00	0.00 0.00	-0.11 -0.11	CO11 CO11
			0.49 0.49	0.01 0.01	13.82 13.82	0.00 0.00	0.00 0.00	-0.11 -0.11	CO11 CO11
		M _z	0.26 1.10	0.01 0.02	6.22 31.40	0.00 0.00	0.00 0.00	-0.06 -0.26	CO14 CO12
			0.26 1.10	0.01 0.02	6.22 31.40	0.00 0.00	0.00 0.00	-0.06 -0.26	CO14 CO12
		Extremes 219	0.26	0.01	6.22	0.00	0.00	-0.26	
222	DS3	P _x	1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
			1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
		P _y	1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
			1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
		P _z	1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
			1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
		M _k	0.44 0.44	0.00 0.00	13.19 13.19	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
			0.44 0.44	0.00 0.00	13.19 13.19	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
		M _y	0.44 0.44	0.00 0.00	13.19 13.19	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
			0.44 0.44	0.00 0.00	13.19 13.19	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
		M _z	1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
			1.00 0.23	-0.01 0.00	29.98 5.92	0.00 0.00	0.00 0.00	0.07 0.02	CO12 CO14
		Extremes 222	0.23	-0.01	5.92	0.00	0.00	0.02	
225	DS3	P _x	1.02 0.24	0.00 0.00	30.26 5.98	0.00 0.00	0.00 0.00	-0.03 -0.01	CO12 CO14
			1.02 0.24	0.00 0.00	30.26 5.98	0.00 0.00	0.00 0.00	-0.03 -0.01	CO12 CO14
		P _y	1.02 0.24	0.00 0.00	30.26 5.98	0.00 0.00	0.00 0.00	-0.03 -0.01	CO12 CO14
			1.02 0.24	0.00 0.00	30.26 5.98	0.00 0.00	0.00 0.00	-0.03 -0.01	CO12 CO14
		P _z	1.02 0.24	0.00 0.00	30.26 5.98	0.00 0.00	0.00 0.00	-0.03 -0.01	CO12 CO14
			1.02 0.24	0.00 0.00	30.26 5.98	0.00 0.00	0.00 0.00	-0.03 -0.01	CO12 CO14
		M _k	0.45 0.45	0.00 0.00	13.32 13.32	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
			0.45 0.45	0.00 0.00	13.32 13.32	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
		M _y	0.45 0.45	0.00 0.00	13.32 13.32	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
			0.45 0.45	0.00 0.00	13.32 13.32	0.00 0.00	0.00 0.00	-0.01 -0.01	CO11 CO11
		M _z	0.24 1.02	0.00 0.00	5.98 30.26	0.00 0.00	0.00 0.00	-0.01 -0.03	CO14 CO12
			0.24 1.02	0.00 0.00	5.98 30.26	0.00 0.00	0.00 0.00	-0.01 -0.03	CO14 CO12
		Extremes 225	0.24	0.00	5.98	0.00	0.00	-0.03	
228	DS3	P _x	1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
		P _y	1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
		P _z	1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
		M _k	0.46 0.46	0.00 0.00	13.42 13.42	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
			0.46 0.46	0.00 0.00	13.42 13.42	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
		M _y	0.46 0.46	0.00 0.00	13.42 13.42	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
			0.46 0.46	0.00 0.00	13.42 13.42	0.00 0.00	0.00 0.00	0.03 0.03	CO11 CO11
		M _z	1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
			1.04 0.24	0.00 0.00	30.49 6.03	0.00 0.00	0.00 0.00	0.06 0.01	CO12 CO14
		Extremes 228	0.24	0.00	6.03	0.00	0.00	0.01	
231	DS3	P _x	0.94 0.22	0.02 0.01	29.22 5.75	0.00 0.00	0.00 0.00	-0.24 -0.05	CO12 CO14
			0.94 0.22	0.02 0.01	29.22 5.75	0.00 0.00	0.00 0.00	-0.24 -0.05	CO12 CO14
		P _y	0.94 0.22	0.02 0.01	29.22 5.75	0.00 0.00	0.00 0.00	-0.24 -0.05	CO12 CO14
			0.94 0.22	0.02 0.01	29.22 5.75	0.00 0.00	0.00 0.00	-0.24 -0.05	CO12 CO14
		P _z	0.94 0.22	0.02 0.01	29.22 5.75	0.00 0.00	0.00 0.00	-0.24 -0.05	CO12 CO14
			0.94 0.22	0.02 0.01	29.22 5.75	0.00 0.00	0.00 0.00	-0.24 -0.05	CO12 CO14
		M _k	0.42 0.42	0.01 0.01	12.86 12.86	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
			0.42 0.42	0.01 0.01	12.86 12.86	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
		M _y	0.42 0.42	0.01 0.01	12.86 12.86	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
			0.42 0.42	0.01 0.01	12.86 12.86	0.00 0.00	0.00 0.00	-0.10 -0.10	CO11 CO11
		M _z	0.22 0.94	0.01 0.02	5.75 29.22	0.00 0.00	0.00 0.00	-0.05 -0.24	CO14 CO12
			0.22 0.94	0.01 0.02	5.75 29.22	0.00 0.00	0.00 0.00	-0.05 -0.24	CO14 CO12
		Extremes 231	0.22	0.01	5.75	0.00	0.00	-0.24	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
234	DS3	P_x	1.32	-0.07	34.32	0.00	0.00	0.91	CO12
			0.31	-0.02	6.86	0.00	0.00	0.21	CO14
		P_y	0.31	-0.02	6.86	0.00	0.00	0.21	CO14
			1.32	-0.07	34.32	0.00	0.00	0.91	CO12
		P_z	1.32	-0.07	34.32	0.00	0.00	0.91	CO12
			0.31	-0.02	6.86	0.00	0.00	0.21	CO14
		M_k	0.58	-0.03	15.10	0.00	0.00	0.40	CO11
			0.58	-0.03	15.10	0.00	0.00	0.40	CO11
		M_y	0.58	-0.03	15.10	0.00	0.00	0.40	CO11
			0.58	-0.03	15.10	0.00	0.00	0.40	CO11
		M_z	1.32	-0.07	34.32	0.00	0.00	0.91	CO12
			0.31	-0.02	6.86	0.00	0.00	0.21	CO14
		Extremes	1.32	-0.02	34.32	0.00	0.00	0.91	
			0.31	-0.07	6.86	0.00	0.00	0.21	
237	DS3	P_x	1.52	0.02	0.58	0.00	0.00	0.03	CO12
			0.32	0.00	0.15	0.00	0.00	0.00	CO14
		P_y	1.52	0.02	0.58	0.00	0.00	0.03	CO12
			0.32	0.00	0.15	0.00	0.00	0.00	CO14
		P_z	1.52	0.02	0.58	0.00	0.00	0.03	CO12
			0.32	0.00	0.15	0.00	0.00	0.00	CO14
		M_k	0.68	0.01	0.30	0.00	0.00	0.01	CO11
			0.68	0.01	0.30	0.00	0.00	0.01	CO11
		M_y	0.68	0.01	0.30	0.00	0.00	0.01	CO11
			0.68	0.01	0.30	0.00	0.00	0.01	CO11
		M_z	1.52	0.02	0.58	0.00	0.00	0.03	CO12
			0.32	0.00	0.15	0.00	0.00	0.00	CO14
		Extremes	1.52	0.02	0.58	0.00	0.00	0.03	
			0.32	0.00	0.15	0.00	0.00	0.00	
238	DS3	P_x	0.21	0.12	4.56	0.00	0.00	0.37	CO15
			0.06	0.12	5.00	0.00	0.00	0.39	CO11
		P_y	0.12	0.26	11.26	0.00	0.00	0.89	CO12
			0.18	0.04	1.43	0.00	0.00	0.12	CO14
		P_z	0.12	0.26	11.26	0.00	0.00	0.89	CO12
			0.18	0.04	1.43	0.00	0.00	0.12	CO14
		M_k	0.06	0.12	5.00	0.00	0.00	0.39	CO11
			0.06	0.12	5.00	0.00	0.00	0.39	CO11
		M_y	0.06	0.12	5.00	0.00	0.00	0.39	CO11
			0.06	0.12	5.00	0.00	0.00	0.39	CO11
		M_z	0.12	0.26	11.26	0.00	0.00	0.89	CO12
			0.18	0.04	1.43	0.00	0.00	0.12	CO14
		Extremes	0.21	0.26	11.26	0.00	0.00	0.89	
			0.06	0.04	1.43	0.00	0.00	0.12	
239	DS3	P_x	3.37	-0.08	23.00	0.00	0.00	-0.38	CO12
			0.58	-0.01	2.77	0.00	0.00	-0.04	CO14
		P_y	0.58	-0.01	2.77	0.00	0.00	-0.04	CO14
			3.37	-0.08	23.00	0.00	0.00	-0.38	CO12
		P_z	3.37	-0.08	23.00	0.00	0.00	-0.38	CO12
			0.58	-0.01	2.77	0.00	0.00	-0.04	CO14
		M_k	1.45	-0.04	10.12	0.00	0.00	-0.17	CO11
			1.45	-0.04	10.12	0.00	0.00	-0.17	CO11
		M_y	1.45	-0.04	10.12	0.00	0.00	-0.17	CO11
			1.45	-0.04	10.12	0.00	0.00	-0.17	CO11
		M_z	0.58	-0.01	2.77	0.00	0.00	-0.04	CO14
			3.37	-0.08	23.00	0.00	0.00	-0.38	CO12
		Extremes	3.37	-0.01	23.00	0.00	0.00	-0.04	
			0.58	-0.08	2.77	0.00	0.00	-0.38	
242	DS3	P_x	2.90	0.02	29.53	0.00	0.00	0.13	CO12
			0.57	0.00	3.53	0.00	0.00	0.02	CO14
		P_y	2.90	0.02	29.53	0.00	0.00	0.13	CO12
			0.57	0.00	3.53	0.00	0.00	0.02	CO14
		P_z	2.90	0.02	29.53	0.00	0.00	0.13	CO12
			0.57	0.00	3.53	0.00	0.00	0.02	CO14
		M_k	1.24	0.01	12.99	0.00	0.00	0.06	CO11
			1.24	0.01	12.99	0.00	0.00	0.06	CO11
		M_y	1.24	0.01	12.99	0.00	0.00	0.06	CO11
			1.24	0.01	12.99	0.00	0.00	0.06	CO11
		M_z	2.90	0.02	29.53	0.00	0.00	0.13	CO12
			0.57	0.00	3.53	0.00	0.00	0.02	CO14
		Extremes	2.90	0.02	29.53	0.00	0.00	0.13	
			0.57	0.00	3.53	0.00	0.00	0.02	
245	DS3	P_x	3.04	-0.01	28.52	0.00	0.00	-0.03	CO12
			0.59	0.00	3.41	0.00	0.00	-0.01	CO14

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
245		P_y	0.59	0.00	3.41	0.00	0.00	-0.01	CO14
			3.04	-0.01	28.52	0.00	0.00	-0.03	CO12
			3.04	-0.01	28.52	0.00	0.00	-0.03	CO12
		P_z	0.59	0.00	3.41	0.00	0.00	-0.01	CO14
			1.30	0.00	12.54	0.00	0.00	-0.01	CO11
			1.30	0.00	12.54	0.00	0.00	-0.01	CO11
		M_x	1.30	0.00	12.54	0.00	0.00	-0.01	CO11
			1.30	0.00	12.54	0.00	0.00	-0.01	CO11
			1.30	0.00	12.54	0.00	0.00	-0.01	CO11
		M_z	0.59	0.00	3.41	0.00	0.00	-0.01	CO14
			3.04	-0.01	28.52	0.00	0.00	-0.03	CO12
			3.04	0.00	28.52	0.00	0.00	-0.01	
Extremes 245			0.59	-0.01	3.41	0.00	0.00	-0.03	
248	DS3	P_x	3.01	0.00	28.71	0.00	0.00	0.01	CO12
			0.59	0.00	3.44	0.00	0.00	0.00	CO14
			3.01	0.00	28.71	0.00	0.00	0.01	CO12
		P_y	0.59	0.00	3.44	0.00	0.00	0.00	CO14
			3.01	0.00	28.71	0.00	0.00	0.01	CO12
			0.59	0.00	3.44	0.00	0.00	0.00	CO14
		P_z	1.29	0.00	12.63	0.00	0.00	0.01	CO11
			1.29	0.00	12.63	0.00	0.00	0.01	CO11
			1.29	0.00	12.63	0.00	0.00	0.01	CO11
		M_x	1.29	0.00	12.63	0.00	0.00	0.01	CO11
			1.29	0.00	12.63	0.00	0.00	0.01	CO11
			1.29	0.00	12.63	0.00	0.00	0.01	CO11
Extremes 248			3.01	0.00	28.71	0.00	0.00	0.01	CO12
251	DS3	P_x	2.99	0.00	28.85	0.00	0.00	-0.03	CO12
			0.58	0.00	3.46	0.00	0.00	-0.01	CO14
			2.99	0.00	28.85	0.00	0.00	-0.01	CO14
		P_y	0.58	0.00	3.46	0.00	0.00	-0.01	CO14
			2.99	0.00	28.85	0.00	0.00	-0.03	CO12
			0.58	0.00	3.46	0.00	0.00	-0.01	CO14
		P_z	1.28	0.00	12.69	0.00	0.00	-0.01	CO11
			1.28	0.00	12.69	0.00	0.00	-0.01	CO11
			1.28	0.00	12.69	0.00	0.00	-0.01	CO11
		M_x	1.28	0.00	12.69	0.00	0.00	-0.01	CO11
			1.28	0.00	12.69	0.00	0.00	-0.01	CO11
			1.28	0.00	12.69	0.00	0.00	-0.01	CO11
Extremes 251			2.99	0.00	28.85	0.00	0.00	-0.03	CO12
254	DS3	P_x	3.12	0.02	28.04	0.00	0.00	0.11	CO12
			0.61	0.00	3.35	0.00	0.00	0.02	CO14
			3.12	0.02	28.04	0.00	0.00	0.11	CO12
		P_y	0.61	0.00	3.35	0.00	0.00	0.02	CO14
			3.12	0.02	28.04	0.00	0.00	0.11	CO12
			0.61	0.00	3.35	0.00	0.00	0.02	CO14
		P_z	1.34	0.01	12.33	0.00	0.00	0.05	CO11
			1.34	0.01	12.33	0.00	0.00	0.05	CO11
			1.34	0.01	12.33	0.00	0.00	0.05	CO11
		M_x	1.34	0.01	12.33	0.00	0.00	0.05	CO11
			1.34	0.01	12.33	0.00	0.00	0.05	CO11
			1.34	0.01	12.33	0.00	0.00	0.05	CO11
Extremes 254			3.12	0.02	28.04	0.00	0.00	0.11	CO12
257	DS3	P_x	2.61	-0.08	31.55	0.00	0.00	-0.45	CO12
			0.53	-0.01	3.79	0.00	0.00	-0.07	CO14
			2.61	-0.08	31.55	0.00	0.00	-0.07	CO14
		P_y	0.53	-0.01	3.79	0.00	0.00	-0.07	CO14
			2.61	-0.08	31.55	0.00	0.00	-0.45	CO12
			0.53	-0.01	3.79	0.00	0.00	-0.07	CO14
		P_z	1.11	-0.03	13.88	0.00	0.00	-0.20	CO11
			1.11	-0.03	13.88	0.00	0.00	-0.20	CO11
			1.11	-0.03	13.88	0.00	0.00	-0.20	CO11
		M_x	1.11	-0.03	13.88	0.00	0.00	-0.20	CO11
			1.11	-0.03	13.88	0.00	0.00	-0.20	CO11
			1.11	-0.03	13.88	0.00	0.00	-0.20	CO11
Extremes 257			2.61	-0.08	31.55	0.00	0.00	-0.45	CO12
260	DS3	P_x	-0.32	0.00	0.15	0.00	0.00	0.00	CO14
			-1.52	0.02	0.58	0.00	0.00	-0.03	CO12
		P_y	-1.52	0.02	0.58	0.00	0.00	-0.03	CO12
			-0.32	0.00	0.15	0.00	0.00	0.00	CO14

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
260		P_z	-1.52	0.02	0.58	0.00	0.00	-0.03	CO12
			-0.32	0.00	0.15	0.00	0.00	0.00	CO14
		M_k	-0.68	0.01	0.30	0.00	0.00	-0.01	CO11
			-0.68	0.01	0.30	0.00	0.00	-0.01	CO11
		M_y	-0.68	0.01	0.30	0.00	0.00	-0.01	CO11
			-0.68	0.01	0.30	0.00	0.00	-0.01	CO11
		M_z	-0.32	0.00	0.15	0.00	0.00	0.00	CO14
			-1.52	0.02	0.58	0.00	0.00	-0.03	CO12
		Extremes	-0.32	0.02	0.58	0.00	0.00	0.00	
			-1.52	0.00	0.15	0.00	0.00	-0.03	
261	DS3	P_x	-0.06	0.12	5.00	0.00	0.00	-0.39	CO11
			-0.21	0.12	4.56	0.00	0.00	-0.37	CO15
		P_y	-0.12	0.26	11.26	0.00	0.00	-0.89	CO12
			-0.18	0.04	1.43	0.00	0.00	-0.12	CO14
		P_z	-0.12	0.26	11.26	0.00	0.00	-0.89	CO12
			-0.18	0.04	1.43	0.00	0.00	-0.12	CO14
		M_k	-0.06	0.12	5.00	0.00	0.00	-0.39	CO11
			-0.06	0.12	5.00	0.00	0.00	-0.39	CO11
		M_y	-0.06	0.12	5.00	0.00	0.00	-0.39	CO11
			-0.06	0.12	5.00	0.00	0.00	-0.39	CO11
262	DS3	P_x	-0.58	-0.01	2.77	0.00	0.00	0.04	CO14
			-3.37	-0.08	23.01	0.00	0.00	0.38	CO12
		P_y	-0.58	-0.01	2.77	0.00	0.00	0.04	CO14
			-3.37	-0.08	23.01	0.00	0.00	0.38	CO12
		P_z	-3.37	-0.08	23.01	0.00	0.00	0.38	CO12
			-0.58	-0.01	2.77	0.00	0.00	0.04	CO14
		M_k	-1.45	-0.04	10.12	0.00	0.00	0.17	CO11
			-1.45	-0.04	10.12	0.00	0.00	0.17	CO11
		M_y	-1.45	-0.04	10.12	0.00	0.00	0.17	CO11
			-1.45	-0.04	10.12	0.00	0.00	0.17	CO11
265	DS3	P_x	-0.57	0.00	3.53	0.00	0.00	-0.02	CO14
			-2.90	0.02	29.53	0.00	0.00	-0.13	CO12
		P_y	-2.90	0.02	29.53	0.00	0.00	-0.13	CO12
			-0.57	0.00	3.53	0.00	0.00	-0.02	CO14
		P_z	-2.90	0.02	29.53	0.00	0.00	-0.13	CO12
			-0.57	0.00	3.53	0.00	0.00	-0.02	CO14
		M_k	-1.24	0.01	12.99	0.00	0.00	-0.06	CO11
			-1.24	0.01	12.99	0.00	0.00	-0.06	CO11
		M_y	-1.24	0.01	12.99	0.00	0.00	-0.06	CO11
			-1.24	0.01	12.99	0.00	0.00	-0.06	CO11
268	DS3	P_x	-0.59	0.00	3.41	0.00	0.00	0.01	CO14
			-3.04	-0.01	28.52	0.00	0.00	0.03	CO12
		P_y	-0.59	0.00	3.41	0.00	0.00	0.01	CO14
			-3.04	-0.01	28.52	0.00	0.00	0.03	CO12
		P_z	-3.04	-0.01	28.52	0.00	0.00	0.03	CO12
			-0.59	0.00	3.41	0.00	0.00	0.01	CO14
		M_k	-1.30	0.00	12.54	0.00	0.00	0.01	CO11
			-1.30	0.00	12.54	0.00	0.00	0.01	CO11
		M_y	-1.30	0.00	12.54	0.00	0.00	0.01	CO11
			-1.30	0.00	12.54	0.00	0.00	0.01	CO11
271	DS3	P_x	-0.59	0.00	3.44	0.00	0.00	0.00	CO14
			-3.01	0.00	28.71	0.00	0.00	-0.01	CO12
		P_y	-3.01	0.00	28.71	0.00	0.00	-0.01	CO12
			-0.59	0.00	3.44	0.00	0.00	0.00	CO14
		P_z	-3.01	0.00	28.71	0.00	0.00	-0.01	CO12
			-0.59	0.00	3.44	0.00	0.00	0.00	CO14

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
271	Extremes 271	M_k	-1.29	0.00	12.63	0.00	0.00	-0.01	CO11
			-1.29	0.00	12.63	0.00	0.00	-0.01	CO11
		M_y	-1.29	0.00	12.63	0.00	0.00	-0.01	CO11
			-1.29	0.00	12.63	0.00	0.00	-0.01	CO11
		M_z	-0.59	0.00	3.44	0.00	0.00	0.00	CO14
			-3.01	0.00	28.71	0.00	0.00	-0.01	CO12
			-0.59	0.00	28.71	0.00	0.00	0.00	
			-3.01	0.00	3.44	0.00	0.00	-0.01	
274	Extremes 274	P_x	-0.58	0.00	3.46	0.00	0.00	0.01	CO14
			-2.99	0.00	28.85	0.00	0.00	0.03	CO12
		P_y	-0.58	0.00	3.46	0.00	0.00	0.01	CO14
			-2.99	0.00	28.85	0.00	0.00	0.03	CO12
		P_z	-2.99	0.00	28.85	0.00	0.00	0.03	CO12
			-0.58	0.00	3.46	0.00	0.00	0.01	CO14
		M_k	-1.28	0.00	12.69	0.00	0.00	0.01	CO11
			-1.28	0.00	12.69	0.00	0.00	0.01	CO11
		M_y	-1.28	0.00	12.69	0.00	0.00	0.01	CO11
			-1.28	0.00	12.69	0.00	0.00	0.01	CO11
		M_z	-2.99	0.00	28.85	0.00	0.00	0.03	CO12
			-0.58	0.00	3.46	0.00	0.00	0.01	CO14
			-0.58	0.00	28.85	0.00	0.00	0.03	
			-2.99	0.00	3.46	0.00	0.00	0.01	
277	Extremes 277	P_x	-0.61	0.00	3.35	0.00	0.00	-0.02	CO14
			-3.12	0.02	28.04	0.00	0.00	-0.11	CO12
		P_y	-3.12	0.02	28.04	0.00	0.00	-0.11	CO12
			-0.61	0.00	3.35	0.00	0.00	-0.02	CO14
		P_z	-3.12	0.02	28.04	0.00	0.00	-0.11	CO12
			-0.61	0.00	3.35	0.00	0.00	-0.02	CO14
		M_k	-1.34	0.01	12.33	0.00	0.00	-0.05	CO11
			-1.34	0.01	12.33	0.00	0.00	-0.05	CO11
		M_y	-1.34	0.01	12.33	0.00	0.00	-0.05	CO11
			-1.34	0.01	12.33	0.00	0.00	-0.05	CO11
		M_z	-0.61	0.00	3.35	0.00	0.00	-0.02	CO14
			-3.12	0.02	28.04	0.00	0.00	-0.11	CO12
			-0.61	0.02	28.04	0.00	0.00	-0.02	
			-3.12	0.00	3.35	0.00	0.00	-0.11	
280	Extremes 280	P_x	-0.53	-0.01	3.79	0.00	0.00	0.07	CO14
			-2.61	-0.08	31.55	0.00	0.00	0.45	CO12
		P_y	-0.53	-0.01	3.79	0.00	0.00	0.07	CO14
			-2.61	-0.08	31.55	0.00	0.00	0.45	CO12
		P_z	-2.61	-0.08	31.55	0.00	0.00	0.45	CO12
			-0.53	-0.01	3.79	0.00	0.00	0.07	CO14
		M_k	-1.11	-0.03	13.88	0.00	0.00	0.20	CO11
			-1.11	-0.03	13.88	0.00	0.00	0.20	CO11
		M_y	-1.11	-0.03	13.88	0.00	0.00	0.20	CO11
			-1.11	-0.03	13.88	0.00	0.00	0.20	CO11
		M_z	-2.61	-0.08	31.55	0.00	0.00	0.45	CO12
			-0.53	-0.01	3.79	0.00	0.00	0.07	CO14
			-0.53	-0.01	31.55	0.00	0.00	0.45	
			-2.61	-0.08	3.79	0.00	0.00	0.07	
283	Extremes 283	P_x	0.01	-0.24	-0.16	0.00	0.00	-0.10	CO13
			0.00	-0.11	-0.02	0.00	0.00	-0.04	CO11
		P_y	0.01	-0.08	-0.05	0.00	0.00	-0.04	CO14
			0.01	-0.26	-0.14	0.00	0.00	-0.10	CO12
		P_z	0.00	-0.11	-0.02	0.00	0.00	-0.04	CO11
			0.01	-0.24	-0.16	0.00	0.00	-0.10	CO13
		M_k	0.00	-0.11	-0.02	0.00	0.00	-0.04	CO11
			0.00	-0.11	-0.02	0.00	0.00	-0.04	CO11
		M_y	0.00	-0.11	-0.02	0.00	0.00	-0.04	CO11
			0.00	-0.11	-0.02	0.00	0.00	-0.04	CO11
		M_z	0.01	-0.08	-0.05	0.00	0.00	-0.04	CO14
			0.01	-0.26	-0.14	0.00	0.00	-0.10	CO12
			0.01	-0.08	-0.02	0.00	0.00	-0.04	
			0.00	-0.26	-0.16	0.00	0.00	-0.10	
285	Extremes 285	P_x	0.00	0.01	5.40	0.00	0.00	-0.17	CO14
			-0.39	0.05	25.59	0.00	0.00	-0.86	CO12
		P_y	-0.39	0.05	25.59	0.00	0.00	-0.86	CO12
			0.00	0.01	5.40	0.00	0.00	-0.17	CO14
		P_z	-0.39	0.05	25.59	0.00	0.00	-0.86	CO12
			0.00	0.01	5.40	0.00	0.00	-0.17	CO14
		M_k	-0.17	0.02	11.27	0.00	0.00	-0.38	CO11
			-0.17	0.02	11.27	0.00	0.00	-0.38	CO11

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
285		M _y	-0.17	0.02	11.27	0.00	0.00	-0.38	CO11
			-0.17	0.02	11.27	0.00	0.00	-0.38	CO11
		M _z	0.00	0.01	5.40	0.00	0.00	-0.17	CO14
			-0.39	0.05	25.59	0.00	0.00	-0.86	CO12
			0.00	0.05	25.59	0.00	0.00	-0.17	
			-0.39	0.01	5.40	0.00	0.00	-0.86	
Extremes 285									
288	DS3	P _x	-0.25	0.00	5.93	0.00	0.00	0.04	CO14
			-1.36	0.01	29.73	0.00	0.00	0.23	CO12
		P _y	-1.36	0.01	29.73	0.00	0.00	0.23	CO12
			-0.25	0.00	5.93	0.00	0.00	0.04	CO14
		P _z	-1.36	0.01	29.73	0.00	0.00	0.23	CO12
			-0.25	0.00	5.93	0.00	0.00	0.04	CO14
		M _x	-0.60	0.00	13.09	0.00	0.00	0.10	CO11
			-0.60	0.00	13.09	0.00	0.00	0.10	CO11
		M _y	-0.60	0.00	13.09	0.00	0.00	0.10	CO11
			-0.60	0.00	13.09	0.00	0.00	0.10	CO11
		M _z	-1.36	0.01	29.73	0.00	0.00	0.23	CO12
			-0.25	0.00	5.93	0.00	0.00	0.04	CO14
		Extremes 288	-0.25	0.01	29.73	0.00	0.00	0.23	
			-1.36	0.00	5.93	0.00	0.00	0.04	
291	DS3	P _x	-0.21	0.00	5.87	0.00	0.00	-0.03	CO14
			-1.22	0.00	29.39	0.00	0.00	-0.15	CO12
		P _y	-1.22	0.00	29.39	0.00	0.00	-0.15	CO12
			-0.21	0.00	5.87	0.00	0.00	-0.03	CO14
		P _z	-1.22	0.00	29.39	0.00	0.00	-0.15	CO12
			-0.21	0.00	5.87	0.00	0.00	-0.03	CO14
		M _x	-0.54	0.00	12.94	0.00	0.00	-0.07	CO11
			-0.54	0.00	12.94	0.00	0.00	-0.07	CO11
		M _y	-0.54	0.00	12.94	0.00	0.00	-0.07	CO11
			-0.54	0.00	12.94	0.00	0.00	-0.07	CO11
		M _z	-0.21	0.00	5.87	0.00	0.00	-0.03	CO14
			-1.22	0.00	29.39	0.00	0.00	-0.15	CO12
		Extremes 291	-0.21	0.00	29.39	0.00	0.00	-0.03	
			-1.22	0.00	5.87	0.00	0.00	-0.15	
294	DS3	P _x	-0.19	0.00	5.56	0.00	0.00	0.06	CO14
			-1.10	-0.02	27.57	0.00	0.00	0.40	CO12
		P _y	-0.19	0.00	5.56	0.00	0.00	0.06	CO14
			-1.10	-0.02	27.57	0.00	0.00	0.40	CO12
		P _z	-1.10	-0.02	27.57	0.00	0.00	0.40	CO12
			-0.19	0.00	5.56	0.00	0.00	0.06	CO14
		M _x	-0.48	-0.01	12.14	0.00	0.00	0.17	CO11
			-0.48	-0.01	12.14	0.00	0.00	0.17	CO11
		M _y	-0.48	-0.01	12.14	0.00	0.00	0.17	CO11
			-0.48	-0.01	12.14	0.00	0.00	0.17	CO11
		M _z	-1.10	-0.02	27.57	0.00	0.00	0.40	CO12
			-0.19	0.00	5.56	0.00	0.00	0.06	CO14
		Extremes 294	-0.19	0.00	27.57	0.00	0.00	0.40	
			-1.10	-0.02	5.56	0.00	0.00	0.06	
297	DS3	P _x	-0.28	0.00	6.83	0.00	0.00	-0.32	CO14
			-1.58	0.04	34.74	0.00	0.00	-1.74	CO12
		P _y	-1.58	0.04	34.74	0.00	0.00	-1.74	CO12
			-0.28	0.00	6.83	0.00	0.00	-0.32	CO14
		P _z	-1.58	0.04	34.74	0.00	0.00	-1.74	CO12
			-0.28	0.00	6.83	0.00	0.00	-0.32	CO14
		M _x	-0.70	0.02	15.29	0.00	0.00	-0.76	CO11
			-0.70	0.02	15.29	0.00	0.00	-0.76	CO11
		M _y	-0.70	0.02	15.29	0.00	0.00	-0.76	CO11
			-0.70	0.02	15.29	0.00	0.00	-0.76	CO11
		M _z	-0.28	0.00	6.83	0.00	0.00	-0.32	CO14
			-1.58	0.04	34.74	0.00	0.00	-1.74	CO12
		Extremes 297	-0.28	0.04	34.74	0.00	0.00	-0.32	
			-1.58	0.00	6.83	0.00	0.00	-1.74	
301	DS3	P _x	-0.08	0.06	6.01	0.00	0.00	0.62	CO14
			-0.67	0.14	28.85	0.00	0.00	3.47	CO12
		P _y	-0.67	0.14	28.85	0.00	0.00	3.47	CO12
			-0.08	0.06	6.01	0.00	0.00	0.62	CO14
		P _z	-0.67	0.14	28.85	0.00	0.00	3.47	CO12
			-0.08	0.06	6.01	0.00	0.00	0.62	CO14
		M _x	-0.30	0.06	12.75	0.00	0.00	1.51	CO11
			-0.30	0.06	12.75	0.00	0.00	1.51	CO11
		M _y	-0.30	0.06	12.75	0.00	0.00	1.51	CO11
			-0.30	0.06	12.75	0.00	0.00	1.51	CO11
		Extremes 301	-0.30	0.06	12.75	0.00	0.00	1.51	
			-0.30	0.06	12.75	0.00	0.00	1.51	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
301 Extremes 301		M _z	-0.67	0.14	28.85	0.00	0.00	3.47	CO12
			-0.08	0.06	6.01	0.00	0.00	0.62	CO14
			-0.08	0.14	28.85	0.00	0.00	3.47	
			-0.67	0.06	6.01	0.00	0.00	0.62	
326 Extremes 326	DS3	P _x	0.02	-0.03	0.55	0.00	0.00	-0.06	CO13
			0.01	-0.02	0.28	0.00	0.00	-0.03	CO11
		P _y	0.02	-0.01	0.28	0.00	0.00	-0.02	CO14
			0.02	-0.04	0.55	0.00	0.00	-0.07	CO12
		P _z	0.02	-0.03	0.55	0.00	0.00	-0.06	CO13
			0.01	-0.02	0.28	0.00	0.00	-0.03	CO11
		M _x	0.01	-0.02	0.28	0.00	0.00	-0.03	CO11
			0.01	-0.02	0.28	0.00	0.00	-0.03	CO11
		M _y	0.01	-0.02	0.28	0.00	0.00	-0.03	CO11
			0.01	-0.02	0.28	0.00	0.00	-0.03	CO11
		M _z	0.02	-0.01	0.28	0.00	0.00	-0.02	CO14
			0.02	-0.04	0.55	0.00	0.00	-0.07	CO12
			0.02	-0.01	0.55	0.00	0.00	-0.02	
			0.01	-0.04	0.28	0.00	0.00	-0.07	
327 Extremes 327	DS3	P _x	0.88	0.11	18.47	0.00	0.00	0.78	CO12
			0.30	0.03	5.95	0.00	0.00	0.25	CO14
		P _y	0.88	0.11	18.47	0.00	0.00	0.78	CO12
			0.30	0.03	5.95	0.00	0.00	0.25	CO14
		P _z	0.88	0.11	18.47	0.00	0.00	0.78	CO12
			0.30	0.03	5.95	0.00	0.00	0.25	CO14
		M _x	0.39	0.05	8.11	0.00	0.00	0.34	CO11
			0.39	0.05	8.11	0.00	0.00	0.34	CO11
		M _y	0.39	0.05	8.11	0.00	0.00	0.34	CO11
			0.39	0.05	8.11	0.00	0.00	0.34	CO11
		M _z	0.88	0.11	18.47	0.00	0.00	0.78	CO12
			0.30	0.03	5.95	0.00	0.00	0.25	CO14
			0.88	0.11	18.47	0.00	0.00	0.78	
			0.30	0.03	5.95	0.00	0.00	0.25	
330 Extremes 330	DS3	P _x	1.22	-0.03	23.68	0.00	0.00	-0.17	CO12
			0.42	-0.01	7.66	0.00	0.00	-0.05	CO14
		P _y	0.42	-0.01	7.66	0.00	0.00	-0.05	CO14
			1.22	-0.03	23.68	0.00	0.00	-0.17	CO12
		P _z	1.22	-0.03	23.68	0.00	0.00	-0.17	CO12
			0.42	-0.01	7.66	0.00	0.00	-0.05	CO14
		M _x	0.53	-0.01	10.40	0.00	0.00	-0.07	CO11
			0.53	-0.01	10.40	0.00	0.00	-0.07	CO11
		M _y	0.53	-0.01	10.40	0.00	0.00	-0.07	CO11
			0.53	-0.01	10.40	0.00	0.00	-0.07	CO11
		M _z	0.42	-0.01	7.66	0.00	0.00	-0.05	CO14
			1.22	-0.03	23.68	0.00	0.00	-0.17	CO12
			1.22	-0.01	23.68	0.00	0.00	-0.05	
			0.42	-0.03	7.66	0.00	0.00	-0.17	
333 Extremes 333	DS3	P _x	1.16	0.01	22.96	0.00	0.00	0.04	CO12
			0.40	0.00	7.44	0.00	0.00	0.01	CO14
		P _y	1.16	0.01	22.96	0.00	0.00	0.04	CO12
			0.40	0.00	7.44	0.00	0.00	0.01	CO14
		P _z	1.16	0.01	22.96	0.00	0.00	0.04	CO12
			0.40	0.00	7.44	0.00	0.00	0.01	CO14
		M _x	0.51	0.00	10.08	0.00	0.00	0.02	CO11
			0.51	0.00	10.08	0.00	0.00	0.02	CO11
		M _y	0.51	0.00	10.08	0.00	0.00	0.02	CO11
			0.51	0.00	10.08	0.00	0.00	0.02	CO11
		M _z	1.16	0.01	22.96	0.00	0.00	0.04	CO12
			0.40	0.00	7.44	0.00	0.00	0.01	CO14
			1.16	0.01	22.96	0.00	0.00	0.04	
			0.40	0.00	7.44	0.00	0.00	0.01	
336 Extremes 336	DS3	P _x	1.17	0.00	23.09	0.00	0.00	-0.02	CO12
			0.40	0.00	7.48	0.00	0.00	0.00	CO14
		P _y	0.40	0.00	7.48	0.00	0.00	0.00	CO14
			1.17	0.00	23.09	0.00	0.00	-0.02	CO12
		P _z	1.17	0.00	23.09	0.00	0.00	-0.02	CO12
			0.40	0.00	7.48	0.00	0.00	0.00	CO14
		M _x	0.51	0.00	10.14	0.00	0.00	-0.01	CO11
			0.51	0.00	10.14	0.00	0.00	-0.01	CO11
		M _y	0.51	0.00	10.14	0.00	0.00	-0.01	CO11
			0.51	0.00	10.14	0.00	0.00	-0.01	CO11
		M _z	0.40	0.00	7.48	0.00	0.00	0.00	CO14
			1.17	0.00	23.09	0.00	0.00	-0.02	CO12
			1.17	0.00	23.09	0.00	0.00	-0.02	
			0.40	0.00	7.48	0.00	0.00	0.00	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
Extremes 336			1.17 0.40	0.00 0.00	23.09 7.48	0.00 0.00	0.00 0.00	0.00 -0.02	
339	SLO DS3	P _x	1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
			1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
		P _y	1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
			1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
		P _z	1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
			1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
		M _k	0.52 0.52	0.00 0.00	10.18 10.18	0.00 0.00	0.00 0.00	0.01 0.01	CO11 CO11
			0.52 0.52	0.00 0.00	10.18 10.18	0.00 0.00	0.00 0.00	0.01 0.01	CO11 CO11
		M _y	0.52 0.52	0.00 0.00	10.18 10.18	0.00 0.00	0.00 0.00	0.01 0.01	CO11 CO11
			0.52 0.52	0.00 0.00	10.18 10.18	0.00 0.00	0.00 0.00	0.01 0.01	CO11 CO11
		M _z	1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
			1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	CO12 CO14
		Extremes 339	1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	
			1.18 0.41	0.01 0.00	23.18 7.50	0.00 0.00	0.00 0.00	0.03 0.01	
342	SLO DS3	P _x	1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	CO12 CO14
			1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	CO12 CO14
		P _y	1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	CO12 CO14
			1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	CO12 CO14
		P _z	1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	CO12 CO14
			1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	CO12 CO14
		M _k	0.50 0.50	-0.01 -0.01	9.94 9.94	0.00 0.00	0.00 0.00	-0.06 -0.06	CO11 CO11
			0.50 0.50	-0.01 -0.01	9.94 9.94	0.00 0.00	0.00 0.00	-0.06 -0.06	CO11 CO11
		M _y	0.50 0.50	-0.01 -0.01	9.94 9.94	0.00 0.00	0.00 0.00	-0.06 -0.06	CO11 CO11
			0.50 0.50	-0.01 -0.01	9.94 9.94	0.00 0.00	0.00 0.00	-0.06 -0.06	CO11 CO11
		M _z	0.39 1.13	-0.01 -0.03	7.35 22.64	0.00 0.00	0.00 0.00	-0.04 -0.13	CO14 CO12
			0.39 1.13	-0.01 -0.03	7.35 22.64	0.00 0.00	0.00 0.00	-0.04 -0.13	CO14 CO12
		Extremes 342	1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	
			1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	
			1.13 0.39	-0.03 -0.01	22.64 7.35	0.00 0.00	0.00 0.00	-0.13 -0.04	
345	SLO DS3	P _x	1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
			1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
		P _y	1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
			1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
		P _z	1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
			1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
		M _k	0.58 0.58	0.05 0.05	11.03 11.03	0.00 0.00	0.00 0.00	0.25 0.25	CO11 CO11
			0.58 0.58	0.05 0.05	11.03 11.03	0.00 0.00	0.00 0.00	0.25 0.25	CO11 CO11
		M _y	0.58 0.58	0.05 0.05	11.03 11.03	0.00 0.00	0.00 0.00	0.25 0.25	CO11 CO11
			0.58 0.58	0.05 0.05	11.03 11.03	0.00 0.00	0.00 0.00	0.25 0.25	CO11 CO11
		M _z	1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
			1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	CO12 CO14
		Extremes 345	1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	
			1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	
			1.33 0.45	0.11 0.03	25.12 8.07	0.00 0.00	0.00 0.00	0.57 0.16	
348	SLO DS3	P _x	1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	CO12 CO14
			1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	CO12 CO14
		P _y	1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	CO12 CO14
			1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	CO12 CO14
		P _z	1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	CO12 CO14
			1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	CO12 CO14
		M _k	0.66 0.66	-0.17 -0.17	3.93 3.93	0.00 0.00	0.00 0.00	-0.75 -0.75	CO11 CO11
			0.66 0.66	-0.17 -0.17	3.93 3.93	0.00 0.00	0.00 0.00	-0.75 -0.75	CO11 CO11
		M _y	0.66 0.66	-0.17 -0.17	3.93 3.93	0.00 0.00	0.00 0.00	-0.75 -0.75	CO11 CO11
			0.66 0.66	-0.17 -0.17	3.93 3.93	0.00 0.00	0.00 0.00	-0.75 -0.75	CO11 CO11
		M _z	0.49 1.50	-0.10 -0.39	2.90 8.87	0.00 0.00	0.00 0.00	-0.52 -1.71	CO14 CO12
			0.49 1.50	-0.10 -0.39	2.90 8.87	0.00 0.00	0.00 0.00	-0.52 -1.71	CO14 CO12
		Extremes 348	1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	
			1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	
			1.50 0.49	-0.39 -0.10	8.87 2.90	0.00 0.00	0.00 0.00	-1.71 -0.52	
349	SLO DS3	P _x	-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	CO14 CO12
			-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	CO14 CO12
		P _y	-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	CO14 CO12
			-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	CO14 CO12
		P _z	-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	CO14 CO12
			-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	CO14 CO12
		M _k	-0.57 -0.57	-0.01 -0.01	3.90 3.90	0.00 0.00	0.00 0.00	0.80 0.80	CO11 CO11
			-0.57 -0.57	-0.01 -0.01	3.90 3.90	0.00 0.00	0.00 0.00	0.80 0.80	CO11 CO11
		M _y	-0.57 -0.57	-0.01 -0.01	3.90 3.90	0.00 0.00	0.00 0.00	0.80 0.80	CO11 CO11
			-0.57 -0.57	-0.01 -0.01	3.90 3.90	0.00 0.00	0.00 0.00	0.80 0.80	CO11 CO11
		M _z	-1.31 -0.46	-0.01 0.02	8.80 2.89	0.00 0.00	0.00 0.00	1.83 0.57	CO12 CO14
			-1.31 -0.46	-0.01 0.02	8.80 2.89	0.00 0.00	0.00 0.00	1.83 0.57	CO12 CO14
		Extremes 349	-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	
			-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	
			-0.46 -1.31	0.02 -0.01	2.89 8.80	0.00 0.00	0.00 0.00	0.57 1.83	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
350	DS3	P_x	-0.28	-0.01	5.93	0.00	0.00	-0.25	CO14
			-0.73	-0.02	18.30	0.00	0.00	-0.77	CO12
		P_y	-0.32	-0.01	8.04	0.00	0.00	-0.34	CO11
			-0.70	-0.02	17.03	0.00	0.00	-0.72	CO13
		P_z	-0.73	-0.02	18.30	0.00	0.00	-0.77	CO12
			-0.28	-0.01	5.93	0.00	0.00	-0.25	CO14
		M_k	-0.32	-0.01	8.04	0.00	0.00	-0.34	CO11
			-0.32	-0.01	8.04	0.00	0.00	-0.34	CO11
		M_y	-0.32	-0.01	8.04	0.00	0.00	-0.34	CO11
			-0.32	-0.01	8.04	0.00	0.00	-0.34	CO11
		M_z	-0.28	-0.01	5.93	0.00	0.00	-0.25	CO14
			-0.73	-0.02	18.30	0.00	0.00	-0.77	CO12
Extremes 350			-0.28	-0.01	18.30	0.00	0.00	-0.25	
			-0.73	-0.02	5.93	0.00	0.00	-0.77	
353	DS3	P_x	-0.37	0.00	7.62	0.00	0.00	0.05	CO14
			-0.95	0.00	23.43	0.00	0.00	0.17	CO12
		P_y	-0.92	0.01	21.83	0.00	0.00	0.16	CO13
			-0.42	0.00	10.29	0.00	0.00	0.08	CO11
		P_z	-0.95	0.00	23.43	0.00	0.00	0.17	CO12
			-0.37	0.00	7.62	0.00	0.00	0.05	CO14
		M_k	-0.42	0.00	10.29	0.00	0.00	0.08	CO11
			-0.42	0.00	10.29	0.00	0.00	0.08	CO11
		M_y	-0.42	0.00	10.29	0.00	0.00	0.08	CO11
			-0.42	0.00	10.29	0.00	0.00	0.08	CO11
		M_z	-0.95	0.00	23.43	0.00	0.00	0.17	CO12
			-0.37	0.00	7.62	0.00	0.00	0.05	CO14
Extremes 353			-0.37	0.01	23.43	0.00	0.00	0.17	
			-0.95	0.00	7.62	0.00	0.00	0.05	
356	DS3	P_x	-0.36	0.00	7.41	0.00	0.00	-0.01	CO14
			-0.91	0.00	22.72	0.00	0.00	-0.04	CO12
		P_y	-0.40	0.00	9.98	0.00	0.00	-0.02	CO11
			-0.61	0.00	13.78	0.00	0.00	-0.02	CO15
		P_z	-0.91	0.00	22.72	0.00	0.00	-0.04	CO12
			-0.36	0.00	7.41	0.00	0.00	-0.01	CO14
		M_k	-0.40	0.00	9.98	0.00	0.00	-0.02	CO11
			-0.40	0.00	9.98	0.00	0.00	-0.02	CO11
		M_y	-0.40	0.00	9.98	0.00	0.00	-0.02	CO11
			-0.40	0.00	9.98	0.00	0.00	-0.02	CO11
		M_z	-0.36	0.00	7.41	0.00	0.00	-0.01	CO14
			-0.91	0.00	22.72	0.00	0.00	-0.04	CO12
Extremes 356			-0.36	0.00	22.72	0.00	0.00	-0.01	
			-0.91	0.00	7.41	0.00	0.00	-0.04	
359	DS3	P_x	-0.36	0.00	7.44	0.00	0.00	0.00	CO14
			-0.91	0.00	22.85	0.00	0.00	0.02	CO12
		P_y	-0.36	0.00	7.44	0.00	0.00	0.00	CO14
			-0.91	0.00	22.85	0.00	0.00	0.02	CO12
		P_z	-0.91	0.00	22.85	0.00	0.00	0.02	CO12
			-0.36	0.00	7.44	0.00	0.00	0.00	CO14
		M_k	-0.40	0.00	10.03	0.00	0.00	0.01	CO11
			-0.40	0.00	10.03	0.00	0.00	0.01	CO11
		M_y	-0.40	0.00	10.03	0.00	0.00	0.01	CO11
			-0.40	0.00	10.03	0.00	0.00	0.01	CO11
		M_z	-0.91	0.00	22.85	0.00	0.00	0.02	CO12
			-0.36	0.00	7.44	0.00	0.00	0.00	CO14
Extremes 359			-0.36	0.00	22.85	0.00	0.00	0.02	
			-0.91	0.00	7.44	0.00	0.00	0.00	
362	DS3	P_x	-0.36	0.00	7.47	0.00	0.00	-0.01	CO14
			-0.92	0.00	22.94	0.00	0.00	-0.03	CO12
		P_y	-0.92	0.00	22.94	0.00	0.00	-0.03	CO12
			-0.36	0.00	7.47	0.00	0.00	-0.01	CO14
		P_z	-0.92	0.00	22.94	0.00	0.00	-0.03	CO12
			-0.36	0.00	7.47	0.00	0.00	-0.01	CO14
		M_k	-0.40	0.00	10.07	0.00	0.00	-0.02	CO11
			-0.40	0.00	10.07	0.00	0.00	-0.02	CO11
		M_y	-0.40	0.00	10.07	0.00	0.00	-0.02	CO11
			-0.40	0.00	10.07	0.00	0.00	-0.02	CO11
		M_z	-0.36	0.00	7.47	0.00	0.00	-0.01	CO14
			-0.92	0.00	22.94	0.00	0.00	-0.03	CO12
Extremes 362			-0.36	0.00	22.94	0.00	0.00	-0.01	
			-0.92	0.00	7.47	0.00	0.00	-0.03	
365	DS3	P_x	-0.35	0.00	7.32	0.00	0.00	0.04	CO14
			-0.89	0.00	22.39	0.00	0.00	0.14	CO12

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
365		P_y	-0.60	0.00	13.59	0.00	0.00	0.08	CO15
			-0.39	0.00	9.83	0.00	0.00	0.06	CO11
			-0.89	0.00	22.39	0.00	0.00	0.14	CO12
		P_z	-0.35	0.00	7.32	0.00	0.00	0.04	CO14
			-0.39	0.00	9.83	0.00	0.00	0.06	CO11
			-0.39	0.00	9.83	0.00	0.00	0.06	CO11
		M_k	-0.39	0.00	9.83	0.00	0.00	0.06	CO11
			-0.39	0.00	9.83	0.00	0.00	0.06	CO11
			-0.39	0.00	9.83	0.00	0.00	0.06	CO11
		M_y	-0.39	0.00	9.83	0.00	0.00	0.06	CO11
			-0.89	0.00	22.39	0.00	0.00	0.14	CO12
			-0.35	0.00	7.32	0.00	0.00	0.04	CO14
Extremes 365			-0.35	0.00	22.39	0.00	0.00	0.14	
			-0.89	0.00	7.32	0.00	0.00	0.04	
368	DS3	P_x	-0.39	-0.01	8.04	0.00	0.00	-0.17	CO14
			-1.02	-0.01	24.87	0.00	0.00	-0.59	CO12
			-0.45	-0.01	10.92	0.00	0.00	-0.26	CO11
		P_y	-0.99	-0.02	23.14	0.00	0.00	-0.54	CO13
			-1.02	-0.01	24.87	0.00	0.00	-0.59	CO12
			-0.39	-0.01	8.04	0.00	0.00	-0.17	CO14
		P_z	-0.45	-0.01	10.92	0.00	0.00	-0.26	CO11
			-0.45	-0.01	10.92	0.00	0.00	-0.26	CO11
			-0.45	-0.01	10.92	0.00	0.00	-0.26	CO11
		M_k	-0.45	-0.01	10.92	0.00	0.00	-0.26	CO11
			-0.45	-0.01	10.92	0.00	0.00	-0.26	CO11
			-0.45	-0.01	10.92	0.00	0.00	-0.26	CO11
Extremes 368			-0.39	-0.01	8.04	0.00	0.00	-0.17	CO14
			-1.02	-0.01	24.87	0.00	0.00	-0.59	CO12
			-0.39	-0.01	24.87	0.00	0.00	-0.17	
			-1.02	-0.02	8.04	0.00	0.00	-0.59	
372	DS3	P_x	0.00	0.00	0.27	0.00	0.00	0.04	CO11
			-0.02	0.00	0.40	0.00	0.00	0.05	CO15
			-0.01	0.00	0.28	0.00	0.00	0.03	CO14
		P_y	-0.01	0.00	0.52	0.00	0.00	0.09	CO12
			-0.02	0.00	0.52	0.00	0.00	0.08	CO13
			0.00	0.00	0.27	0.00	0.00	0.04	CO11
		P_z	0.00	0.00	0.27	0.00	0.00	0.04	CO11
			0.00	0.00	0.27	0.00	0.00	0.04	CO11
			0.00	0.00	0.27	0.00	0.00	0.04	CO11
		M_k	0.00	0.00	0.27	0.00	0.00	0.04	CO11
			0.00	0.00	0.27	0.00	0.00	0.04	CO11
			0.00	0.00	0.27	0.00	0.00	0.04	CO11
Extremes 372			-0.01	0.00	0.52	0.00	0.00	0.09	CO12
			-0.01	0.00	0.28	0.00	0.00	0.03	CO14
			0.00	0.00	0.52	0.00	0.00	0.09	
			-0.02	0.00	0.27	0.00	0.00	0.03	
373	DS3	P_x	1.31	-0.03	8.80	0.00	0.00	-1.82	CO12
			0.46	0.02	2.89	0.00	0.00	-0.57	CO14
			0.46	0.02	2.89	0.00	0.00	-0.57	CO14
		P_y	1.31	-0.03	8.80	0.00	0.00	-1.82	CO12
			1.31	-0.03	8.80	0.00	0.00	-1.82	CO12
			0.46	0.02	2.89	0.00	0.00	-0.57	CO14
		P_z	0.57	-0.01	3.90	0.00	0.00	-0.80	CO11
			0.57	-0.01	3.90	0.00	0.00	-0.80	CO11
			0.57	-0.01	3.90	0.00	0.00	-0.80	CO11
		M_k	0.57	-0.01	3.90	0.00	0.00	-0.80	CO11
			0.57	-0.01	3.90	0.00	0.00	-0.80	CO11
			0.57	-0.01	3.90	0.00	0.00	-0.80	CO11
Extremes 373			0.46	0.02	2.89	0.00	0.00	-0.57	CO14
			1.31	-0.03	8.80	0.00	0.00	-1.82	CO12
			1.31	0.02	8.80	0.00	0.00	-0.57	
			0.46	-0.03	2.89	0.00	0.00	-1.82	
374	DS3	P_x	0.73	0.00	18.29	0.00	0.00	0.76	CO12
			0.28	-0.01	5.92	0.00	0.00	0.25	CO14
			0.73	0.00	18.29	0.00	0.00	0.76	CO12
		P_y	0.28	-0.01	5.92	0.00	0.00	0.25	CO14
			0.73	0.00	18.29	0.00	0.00	0.76	CO12
			0.28	-0.01	5.92	0.00	0.00	0.25	CO14
		P_z	0.32	0.00	8.03	0.00	0.00	0.33	CO11
			0.32	0.00	8.03	0.00	0.00	0.33	CO11
			0.32	0.00	8.03	0.00	0.00	0.33	CO11
		M_k	0.32	0.00	8.03	0.00	0.00	0.33	CO11
			0.32	0.00	8.03	0.00	0.00	0.33	CO11
			0.32	0.00	8.03	0.00	0.00	0.33	CO11
Extremes 374			0.73	0.00	18.29	0.00	0.00	0.76	CO12
			0.28	-0.01	5.92	0.00	0.00	0.25	CO14
			0.73	0.00	18.29	0.00	0.00	0.76	
			0.28	-0.01	5.92	0.00	0.00	0.25	
377	DS3	P_x	0.95	-0.11	23.44	0.00	0.00	-0.10	CO12
			0.37	-0.03	7.62	0.00	0.00	-0.03	CO14
		P_y	0.37	-0.03	7.62	0.00	0.00	-0.03	CO14
			0.95	-0.11	23.44	0.00	0.00	-0.10	CO12

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
377		P_z	0.95	-0.11	23.44	0.00	0.00	-0.10	CO12
			0.37	-0.03	7.62	0.00	0.00	-0.03	CO14
		M_k	0.42	-0.05	10.29	0.00	0.00	-0.04	CO11
			0.42	-0.05	10.29	0.00	0.00	-0.04	CO11
		M_y	0.42	-0.05	10.29	0.00	0.00	-0.04	CO11
			0.42	-0.05	10.29	0.00	0.00	-0.04	CO11
		M_z	0.37	-0.03	7.62	0.00	0.00	-0.03	CO14
			0.95	-0.11	23.44	0.00	0.00	-0.10	CO12
		Extremes	0.95	-0.03	23.44	0.00	0.00	-0.03	
			0.37	-0.11	7.62	0.00	0.00	-0.10	
380	DS3	P_x	0.90	0.04	22.72	0.00	0.00	0.03	CO12
			0.35	0.01	7.41	0.00	0.00	0.01	CO14
		P_y	0.90	0.04	22.72	0.00	0.00	0.03	CO12
			0.35	0.01	7.41	0.00	0.00	0.01	CO14
		P_z	0.90	0.04	22.72	0.00	0.00	0.03	CO12
			0.35	0.01	7.41	0.00	0.00	0.01	CO14
		M_k	0.40	0.02	9.98	0.00	0.00	0.01	CO11
			0.40	0.02	9.98	0.00	0.00	0.01	CO11
		M_y	0.40	0.02	9.98	0.00	0.00	0.01	CO11
			0.40	0.02	9.98	0.00	0.00	0.01	CO11
		M_z	0.90	0.04	22.72	0.00	0.00	0.03	CO12
			0.35	0.01	7.41	0.00	0.00	0.01	CO14
Extremes			0.90	0.04	22.72	0.00	0.00	0.03	
			0.35	0.01	7.41	0.00	0.00	0.01	
383	DS3	P_x	0.92	-0.01	22.85	0.00	0.00	-0.02	CO12
			0.36	0.00	7.44	0.00	0.00	0.00	CO14
		P_y	0.92	-0.01	22.85	0.00	0.00	0.00	CO14
			0.36	0.00	7.44	0.00	0.00	0.00	CO14
		P_z	0.92	-0.01	22.85	0.00	0.00	-0.02	CO12
			0.36	0.00	7.44	0.00	0.00	0.00	CO14
		M_k	0.40	0.00	10.03	0.00	0.00	-0.01	CO11
			0.40	0.00	10.03	0.00	0.00	-0.01	CO11
		M_y	0.40	0.00	10.03	0.00	0.00	-0.01	CO11
			0.40	0.00	10.03	0.00	0.00	-0.01	CO11
		M_z	0.36	0.00	7.44	0.00	0.00	0.00	CO14
			0.92	-0.01	22.85	0.00	0.00	-0.02	CO12
Extremes			0.92	0.00	22.85	0.00	0.00	0.00	
383			0.36	-0.01	7.44	0.00	0.00	-0.02	
386	DS3	P_x	0.92	0.00	22.94	0.00	0.00	0.03	CO12
			0.36	0.00	7.47	0.00	0.00	0.01	CO14
		P_y	0.92	0.00	22.94	0.00	0.00	0.03	CO12
			0.36	0.00	7.47	0.00	0.00	0.01	CO14
		P_z	0.92	0.00	22.94	0.00	0.00	0.03	CO12
			0.36	0.00	7.47	0.00	0.00	0.01	CO14
		M_k	0.41	0.00	10.07	0.00	0.00	0.01	CO11
			0.41	0.00	10.07	0.00	0.00	0.01	CO11
		M_y	0.41	0.00	10.07	0.00	0.00	0.01	CO11
			0.41	0.00	10.07	0.00	0.00	0.01	CO11
		M_z	0.92	0.00	22.94	0.00	0.00	0.03	CO12
			0.36	0.00	7.47	0.00	0.00	0.01	CO14
Extremes			0.92	0.00	22.94	0.00	0.00	0.03	
386			0.36	0.00	7.47	0.00	0.00	0.01	
389	DS3	P_x	0.89	-0.01	22.39	0.00	0.00	-0.13	CO12
			0.35	0.00	7.32	0.00	0.00	-0.04	CO14
		P_y	0.89	-0.01	22.39	0.00	0.00	-0.13	CO12
			0.35	0.00	7.32	0.00	0.00	-0.04	CO14
		P_z	0.89	-0.01	22.39	0.00	0.00	-0.13	CO12
			0.35	0.00	7.32	0.00	0.00	-0.04	CO14
		M_k	0.39	0.00	9.83	0.00	0.00	-0.06	CO11
			0.39	0.00	9.83	0.00	0.00	-0.06	CO11
		M_y	0.39	0.00	9.83	0.00	0.00	-0.06	CO11
			0.39	0.00	9.83	0.00	0.00	-0.06	CO11
		M_z	0.35	0.00	7.32	0.00	0.00	-0.04	CO14
			0.89	-0.01	22.39	0.00	0.00	-0.13	CO12
Extremes			0.89	0.00	22.39	0.00	0.00	-0.04	
389			0.35	-0.01	7.32	0.00	0.00	-0.13	
392	DS3	P_x	1.03	0.00	24.87	0.00	0.00	0.58	CO12
			0.40	-0.01	8.04	0.00	0.00	0.17	CO14
		P_y	1.03	0.00	24.87	0.00	0.00	0.58	CO12
			0.40	-0.01	8.04	0.00	0.00	0.17	CO14
		P_z	1.03	0.00	24.87	0.00	0.00	0.58	CO12
			0.40	-0.01	8.04	0.00	0.00	0.17	CO14

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
392		M _k	0.45	0.00	10.92	0.00	0.00	0.26	CO11
			0.45	0.00	10.92	0.00	0.00	0.26	CO11
		M _y	0.45	0.00	10.92	0.00	0.00	0.26	CO11
			0.45	0.00	10.92	0.00	0.00	0.26	CO11
		M _z	1.03	0.00	24.87	0.00	0.00	0.58	CO12
			0.40	-0.01	8.04	0.00	0.00	0.17	CO14
		Extremes	1.03	0.00	24.87	0.00	0.00	0.58	
			0.40	-0.01	8.04	0.00	0.00	0.17	
396	DS3	P _x	0.02	0.00	0.41	0.00	0.00	-0.05	CO15
			0.00	0.00	0.27	0.00	0.00	-0.04	CO11
		P _y	0.01	0.00	0.28	0.00	0.00	-0.03	CO14
			0.01	-0.01	0.52	0.00	0.00	-0.09	CO12
		P _z	0.02	0.00	0.53	0.00	0.00	-0.08	CO13
			0.00	0.00	0.27	0.00	0.00	-0.04	CO11
		M _k	0.00	0.00	0.27	0.00	0.00	-0.04	CO11
			0.00	0.00	0.27	0.00	0.00	-0.04	CO11
		M _y	0.00	0.00	0.27	0.00	0.00	-0.04	CO11
			0.00	0.00	0.27	0.00	0.00	-0.04	CO11
		M _z	0.01	0.00	0.28	0.00	0.00	-0.03	CO14
			0.01	-0.01	0.52	0.00	0.00	-0.09	CO12
		Extremes	0.02	0.00	0.53	0.00	0.00	-0.03	
			0.00	-0.01	0.27	0.00	0.00	-0.09	
397	DS3	P _x	-0.82	-0.05	2.44	0.00	0.00	0.43	CO14
			-4.24	-0.21	6.57	0.00	0.00	1.35	CO12
		P _y	-0.82	-0.05	2.44	0.00	0.00	0.43	CO14
			-4.24	-0.21	6.57	0.00	0.00	1.35	CO12
		P _z	-4.24	-0.21	6.57	0.00	0.00	1.35	CO12
			-0.82	-0.05	2.44	0.00	0.00	0.43	CO14
		M _k	-1.84	-0.09	2.94	0.00	0.00	0.59	CO11
			-1.84	-0.09	2.94	0.00	0.00	0.59	CO11
		M _y	-1.84	-0.09	2.94	0.00	0.00	0.59	CO11
			-1.84	-0.09	2.94	0.00	0.00	0.59	CO11
		M _z	-4.24	-0.21	6.57	0.00	0.00	1.35	CO12
			-0.82	-0.05	2.44	0.00	0.00	0.43	CO14
		Extremes	-0.82	-0.05	6.57	0.00	0.00	1.35	
			-4.24	-0.21	2.44	0.00	0.00	0.43	
401	DS3	P _x	-0.44	0.04	2.73	0.00	0.00	-0.42	CO14
			-1.32	0.14	8.15	0.00	0.00	-1.30	CO12
		P _y	-1.32	0.14	8.15	0.00	0.00	-1.30	CO12
			-0.44	0.04	2.73	0.00	0.00	-0.42	CO14
		P _z	-1.32	0.14	8.15	0.00	0.00	-1.30	CO12
			-0.44	0.04	2.73	0.00	0.00	-0.42	CO14
		M _k	-0.58	0.06	3.62	0.00	0.00	-0.57	CO11
			-0.58	0.06	3.62	0.00	0.00	-0.57	CO11
		M _y	-0.58	0.06	3.62	0.00	0.00	-0.57	CO11
			-0.58	0.06	3.62	0.00	0.00	-0.57	CO11
		M _z	-0.44	0.04	2.73	0.00	0.00	-0.42	CO14
			-1.32	0.14	8.15	0.00	0.00	-1.30	CO12
		Extremes	-0.44	0.14	8.15	0.00	0.00	-0.42	
			-1.32	0.04	2.73	0.00	0.00	-1.30	
404	DS3	P _x	0.55	-0.01	25.04	0.00	0.00	0.35	CO12
			-0.14	0.00	8.02	0.00	0.00	0.11	CO14
		P _y	-0.14	0.00	8.02	0.00	0.00	0.11	CO14
			0.55	-0.01	25.04	0.00	0.00	0.35	CO12
		P _z	0.55	-0.01	25.04	0.00	0.00	0.35	CO12
			-0.14	0.00	8.02	0.00	0.00	0.11	CO14
		M _k	0.24	-0.01	11.00	0.00	0.00	0.15	CO11
			0.24	-0.01	11.00	0.00	0.00	0.15	CO11
		M _y	0.24	-0.01	11.00	0.00	0.00	0.15	CO11
			0.24	-0.01	11.00	0.00	0.00	0.15	CO11
		M _z	0.55	-0.01	25.04	0.00	0.00	0.35	CO12
			-0.14	0.00	8.02	0.00	0.00	0.11	CO14
		Extremes	0.55	0.00	25.04	0.00	0.00	0.35	
			-0.14	-0.01	8.02	0.00	0.00	0.11	
407	DS3	P _x	0.23	0.00	22.94	0.00	0.00	-0.05	CO12
			-0.17	0.00	7.40	0.00	0.00	-0.01	CO14
		P _y	0.23	0.00	22.94	0.00	0.00	-0.05	CO12
			-0.17	0.00	7.40	0.00	0.00	-0.01	CO14
		P _z	0.23	0.00	22.94	0.00	0.00	-0.05	CO12
			-0.17	0.00	7.40	0.00	0.00	-0.01	CO14
		M _k	0.10	0.00	10.07	0.00	0.00	-0.02	CO11
			0.10	0.00	10.07	0.00	0.00	-0.02	CO11
		Extremes							

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
407		M _y	0.10	0.00	10.07	0.00	0.00	-0.02	CO11
			0.10	0.00	10.07	0.00	0.00	-0.02	CO11
		M _z	-0.17	0.00	7.40	0.00	0.00	-0.01	CO14
			0.23	0.00	22.94	0.00	0.00	-0.05	CO12
			0.23	0.00	22.94	0.00	0.00	-0.01	
			-0.17	0.00	7.40	0.00	0.00	-0.05	
Extremes 407									
410	DS3	P _x	0.95	-0.01	23.51	0.00	0.00	0.03	CO12
			-0.07	0.00	7.55	0.00	0.00	0.01	CO14
		P _y	-0.07	0.00	7.55	0.00	0.00	0.01	CO14
			0.95	-0.01	23.51	0.00	0.00	0.03	CO12
		P _z	0.95	-0.01	23.51	0.00	0.00	0.03	CO12
			-0.07	0.00	7.55	0.00	0.00	0.01	CO14
		M _x	0.42	-0.01	10.32	0.00	0.00	0.01	CO11
			0.42	-0.01	10.32	0.00	0.00	0.01	CO11
		M _y	0.42	-0.01	10.32	0.00	0.00	0.01	CO11
			0.42	-0.01	10.32	0.00	0.00	0.01	CO11
		M _z	0.95	-0.01	23.51	0.00	0.00	0.03	CO12
			-0.07	0.00	7.55	0.00	0.00	0.01	CO14
		Extremes 410	0.95	0.00	23.51	0.00	0.00	0.03	
			-0.07	-0.01	7.55	0.00	0.00	0.01	
413	DS3	P _x	-0.47	0.01	7.29	0.00	0.00	0.01	CO14
			-1.81	0.05	22.30	0.00	0.00	0.03	CO12
		P _y	-1.81	0.05	22.30	0.00	0.00	0.03	CO12
			-0.47	0.01	7.29	0.00	0.00	0.01	CO14
		P _z	-1.81	0.05	22.30	0.00	0.00	0.03	CO12
			-0.47	0.01	7.29	0.00	0.00	0.01	CO14
		M _x	-0.79	0.02	9.79	0.00	0.00	0.01	CO11
			-0.79	0.02	9.79	0.00	0.00	0.01	CO11
		M _y	-0.79	0.02	9.79	0.00	0.00	0.01	CO11
			-0.79	0.02	9.79	0.00	0.00	0.01	CO11
		M _z	-1.81	0.05	22.30	0.00	0.00	0.03	CO12
			-0.47	0.01	7.29	0.00	0.00	0.01	CO14
		Extremes 413	-0.47	0.05	22.30	0.00	0.00	0.03	
			-1.81	0.01	7.29	0.00	0.00	0.01	
416	DS3	P _x	0.12	-0.01	29.85	0.00	0.00	-0.35	CO12
			-0.22	0.00	9.02	0.00	0.00	-0.11	CO14
		P _y	-0.22	0.00	9.02	0.00	0.00	-0.11	CO14
			0.12	-0.01	29.85	0.00	0.00	-0.35	CO12
		P _z	0.12	-0.01	29.85	0.00	0.00	-0.35	CO12
			-0.22	0.00	9.02	0.00	0.00	-0.11	CO14
		M _x	0.06	0.00	13.10	0.00	0.00	-0.15	CO11
			0.06	0.00	13.10	0.00	0.00	-0.15	CO11
		M _y	0.06	0.00	13.10	0.00	0.00	-0.15	CO11
			0.06	0.00	13.10	0.00	0.00	-0.15	CO11
		M _z	-0.22	0.00	9.02	0.00	0.00	-0.11	CO14
			0.12	-0.01	29.85	0.00	0.00	-0.35	CO12
		Extremes 416	0.12	0.00	29.85	0.00	0.00	-0.11	
			-0.22	-0.01	9.02	0.00	0.00	-0.35	
Total max/min values with corresponding values									
109	DS3	P _x	7.65	-0.04	9.66	0.00	0.00	0.10	CO12
112			-12.96	-0.03	9.56	0.00	0.00	-0.09	CO12
192		P _y	-1.76	0.30	12.57	0.00	0.00	1.96	CO12
114			0.00	-0.72	3.14	0.00	0.00	0.45	CO12
162		P _z	-2.30	-0.16	40.35	0.00	0.00	-2.59	CO12
191			-0.01	0.03	-0.19	0.00	0.00	0.06	CO13
1		M _x	0.00	-0.07	3.19	0.00	0.00	0.04	CO11
1			0.00	-0.07	3.19	0.00	0.00	0.04	CO11
1		M _y	0.00	-0.07	3.19	0.00	0.00	0.04	CO11
1			0.00	-0.07	3.19	0.00	0.00	0.04	CO11
166		M _z	-1.54	0.24	28.72	0.00	0.00	5.08	CO12
162			-2.30	-0.16	40.35	0.00	0.00	-2.59	CO12
1	DS4	P _x	0.00	-0.02	0.79	0.00	0.00	0.01	CO18
			0.00	-0.03	1.24	0.00	0.00	0.02	CO17
		P _y	0.00	-0.02	0.79	0.00	0.00	0.01	CO18
			0.00	-0.03	1.24	0.00	0.00	0.02	CO17
		P _z	0.00	-0.03	1.24	0.00	0.00	0.02	CO17
			0.00	-0.02	0.79	0.00	0.00	0.01	CO18
		M _x	0.00	-0.02	0.88	0.00	0.00	0.01	CO16
			0.00	-0.02	0.88	0.00	0.00	0.01	CO16
		M _y	0.00	-0.02	0.88	0.00	0.00	0.01	CO16
			0.00	-0.02	0.88	0.00	0.00	0.01	CO16
		M _z	0.00	-0.03	1.24	0.00	0.00	0.02	CO17

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
1 Extremes 1		M _z	0.00	-0.02	0.79	0.00	0.00	0.01	CO18
			0.00	-0.02	1.24	0.00	0.00	0.02	
			0.00	-0.03	0.79	0.00	0.00	0.01	
6 Extremes 6	S17 DS4	P _x	-0.01	-0.01	0.39	0.00	0.00	-0.01	CO18
			-0.01	-0.02	0.62	0.00	0.00	-0.01	CO17
		P _y	-0.01	-0.01	0.39	0.00	0.00	-0.01	CO18
			-0.01	-0.02	0.62	0.00	0.00	-0.01	CO17
		P _z	-0.01	-0.02	0.62	0.00	0.00	-0.01	CO17
			-0.01	-0.01	0.39	0.00	0.00	-0.01	CO18
		M _k	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO16
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO16
		M _y	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO16
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO16
		M _z	-0.01	-0.01	0.39	0.00	0.00	-0.01	CO18
			-0.01	-0.02	0.62	0.00	0.00	-0.01	CO17
			-0.01	-0.01	0.62	0.00	0.00	-0.01	
			-0.01	-0.02	0.39	0.00	0.00	-0.01	
			-0.01	-0.02	0.39	0.00	0.00	-0.01	
9 Extremes 9	S17 DS4	P _x	0.00	0.05	1.49	0.00	0.00	-0.03	CO18
			0.00	0.08	2.37	0.00	0.00	-0.05	CO17
		P _y	0.00	0.08	2.37	0.00	0.00	-0.05	CO17
			0.00	0.05	1.49	0.00	0.00	-0.03	CO18
		P _z	0.00	0.08	2.37	0.00	0.00	-0.05	CO17
			0.00	0.05	1.49	0.00	0.00	-0.03	CO18
		M _k	0.00	0.06	1.67	0.00	0.00	-0.04	CO16
			0.00	0.06	1.67	0.00	0.00	-0.04	CO16
		M _y	0.00	0.06	1.67	0.00	0.00	-0.04	CO16
			0.00	0.06	1.67	0.00	0.00	-0.04	CO16
		M _z	0.00	0.05	1.49	0.00	0.00	-0.03	CO18
			0.00	0.08	2.37	0.00	0.00	-0.05	CO17
			0.00	0.08	2.37	0.00	0.00	-0.03	
			0.00	0.05	1.49	0.00	0.00	-0.05	
			0.00	0.05	1.49	0.00	0.00	-0.05	
12 Extremes 12	S17 DS4	P _x	-0.02	0.04	0.75	0.00	0.00	0.03	CO18
			-0.02	0.06	1.19	0.00	0.00	0.05	CO17
		P _y	-0.02	0.06	1.19	0.00	0.00	0.05	CO17
			-0.02	0.04	0.75	0.00	0.00	0.03	CO18
		P _z	-0.02	0.06	1.19	0.00	0.00	0.05	CO17
			-0.02	0.04	0.75	0.00	0.00	0.03	CO18
		M _k	-0.02	0.04	0.84	0.00	0.00	0.03	CO16
			-0.02	0.04	0.84	0.00	0.00	0.03	CO16
		M _y	-0.02	0.04	0.84	0.00	0.00	0.03	CO16
			-0.02	0.04	0.84	0.00	0.00	0.03	CO16
		M _z	-0.02	0.06	1.19	0.00	0.00	0.05	CO17
			-0.02	0.04	0.75	0.00	0.00	0.03	CO18
			-0.02	0.06	1.19	0.00	0.00	0.05	
			-0.02	0.04	0.75	0.00	0.00	0.03	
			-0.02	0.04	0.75	0.00	0.00	0.03	
14 Extremes 14	S17 DS4	P _x	2.19	0.03	3.21	0.00	0.00	-0.04	CO17
			1.19	0.02	2.01	0.00	0.00	-0.02	CO18
		P _y	2.19	0.03	3.21	0.00	0.00	-0.04	CO17
			1.19	0.02	2.01	0.00	0.00	-0.02	CO18
		P _z	2.19	0.03	3.21	0.00	0.00	-0.04	CO17
			1.19	0.02	2.01	0.00	0.00	-0.02	CO18
		M _k	1.55	0.02	2.27	0.00	0.00	-0.03	CO16
			1.55	0.02	2.27	0.00	0.00	-0.03	CO16
		M _y	1.55	0.02	2.27	0.00	0.00	-0.03	CO16
			1.55	0.02	2.27	0.00	0.00	-0.03	CO16
		M _z	1.19	0.02	2.01	0.00	0.00	-0.02	CO18
			2.19	0.03	3.21	0.00	0.00	-0.04	CO17
			2.19	0.03	3.21	0.00	0.00	-0.02	
			1.19	0.02	2.01	0.00	0.00	-0.04	
			1.19	0.02	2.01	0.00	0.00	-0.04	
17 Extremes	S17 DS4	P _x	-1.93	0.02	1.07	0.00	0.00	0.02	CO18
			-3.45	0.03	1.72	0.00	0.00	0.03	CO17
		P _y	-3.45	0.03	1.72	0.00	0.00	0.03	CO17
			-1.93	0.02	1.07	0.00	0.00	0.02	CO18
		P _z	-3.45	0.03	1.72	0.00	0.00	0.03	CO17
			-1.93	0.02	1.07	0.00	0.00	0.02	CO18
		M _k	-2.45	0.02	1.21	0.00	0.00	0.02	CO16
			-2.45	0.02	1.21	0.00	0.00	0.02	CO16
		M _y	-2.45	0.02	1.21	0.00	0.00	0.02	CO16
			-2.45	0.02	1.21	0.00	0.00	0.02	CO16
		M _z	-3.45	0.03	1.72	0.00	0.00	0.03	CO17
			-1.93	0.02	1.07	0.00	0.00	0.02	CO18
			-1.93	0.03	1.72	0.00	0.00	0.03	
			-1.93	0.02	1.07	0.00	0.00	0.02	
			-1.93	0.03	1.72	0.00	0.00	0.03	



Model:

VDC Kranj - statična preverba
strehe

Project:

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
17			-3.45	0.02	1.07	0.00	0.00	0.02	
19	DS4	P _x	2.12	-0.04	3.09	0.00	0.00	0.05	CO17
			1.16	-0.03	1.94	0.00	0.00	0.03	CO18
		P _y	1.16	-0.03	1.94	0.00	0.00	0.03	CO18
			2.12	-0.04	3.09	0.00	0.00	0.05	CO17
		P _z	2.12	-0.04	3.09	0.00	0.00	0.05	CO17
			1.16	-0.03	1.94	0.00	0.00	0.03	CO18
		M _x	1.50	-0.03	2.18	0.00	0.00	0.03	CO16
			1.50	-0.03	2.18	0.00	0.00	0.03	CO16
		M _y	1.50	-0.03	2.18	0.00	0.00	0.03	CO16
			1.50	-0.03	2.18	0.00	0.00	0.03	CO16
		M _z	2.12	-0.04	3.09	0.00	0.00	0.05	CO17
			1.16	-0.03	1.94	0.00	0.00	0.03	CO18
		Extremes	2.12	-0.03	3.09	0.00	0.00	0.05	
			1.16	-0.04	1.94	0.00	0.00	0.03	
22	DS4	P _x	-1.68	-0.02	1.03	0.00	0.00	-0.03	CO18
			-3.02	-0.04	1.66	0.00	0.00	-0.04	CO17
		P _y	-1.68	-0.02	1.03	0.00	0.00	-0.03	CO18
			-3.02	-0.04	1.66	0.00	0.00	-0.04	CO17
		P _z	-3.02	-0.04	1.66	0.00	0.00	-0.04	CO17
			-1.68	-0.02	1.03	0.00	0.00	-0.03	CO18
		M _x	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO16
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO16
		M _y	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO16
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO16
		M _z	-1.68	-0.02	1.03	0.00	0.00	-0.03	CO18
			-3.02	-0.04	1.66	0.00	0.00	-0.04	CO17
		Extremes	-1.68	-0.02	1.66	0.00	0.00	-0.03	
			-3.02	-0.04	1.03	0.00	0.00	-0.04	
24	DS4	P _x	0.00	-0.01	1.49	0.00	0.00	0.01	CO18
			0.00	-0.02	2.37	0.00	0.00	0.01	CO17
		P _y	0.00	-0.01	1.49	0.00	0.00	0.01	CO18
			0.00	-0.02	2.37	0.00	0.00	0.01	CO17
		P _z	0.00	-0.02	2.37	0.00	0.00	0.01	CO17
			0.00	-0.01	1.49	0.00	0.00	0.01	CO18
		M _x	0.00	-0.01	1.67	0.00	0.00	0.01	CO16
			0.00	-0.01	1.67	0.00	0.00	0.01	CO16
		M _y	0.00	-0.01	1.67	0.00	0.00	0.01	CO16
			0.00	-0.01	1.67	0.00	0.00	0.01	CO16
		M _z	0.00	-0.01	1.67	0.00	0.00	0.01	CO16
			0.00	-0.02	2.37	0.00	0.00	0.01	CO17
		Extremes	0.00	-0.01	1.49	0.00	0.00	0.01	CO18
			0.00	-0.02	2.37	0.00	0.00	0.01	
27	DS4	P _x	-0.01	0.06	1.14	0.00	0.00	0.02	CO18
			-0.01	0.08	1.80	0.00	0.00	0.04	CO17
		P _y	-0.01	0.08	1.80	0.00	0.00	0.04	CO17
			-0.01	0.06	1.14	0.00	0.00	0.02	CO18
		P _z	-0.01	0.08	1.80	0.00	0.00	0.04	CO17
			-0.01	0.06	1.14	0.00	0.00	0.02	CO18
		M _x	-0.01	0.06	1.27	0.00	0.00	0.03	CO16
			-0.01	0.06	1.27	0.00	0.00	0.03	CO16
		M _y	-0.01	0.06	1.27	0.00	0.00	0.03	CO16
			-0.01	0.06	1.27	0.00	0.00	0.03	CO16
		M _z	-0.01	0.08	1.80	0.00	0.00	0.04	CO17
			-0.01	0.06	1.14	0.00	0.00	0.02	CO18
		Extremes	-0.01	0.08	1.80	0.00	0.00	0.04	
			-0.01	0.06	1.14	0.00	0.00	0.02	
29	DS4	P _x	1.81	0.03	2.96	0.00	0.00	-0.04	CO17
			0.99	0.02	1.85	0.00	0.00	-0.02	CO18
		P _y	1.81	0.03	2.96	0.00	0.00	-0.04	CO17
			0.99	0.02	1.85	0.00	0.00	-0.02	CO18
		P _z	1.81	0.03	2.96	0.00	0.00	-0.04	CO17
			0.99	0.02	1.85	0.00	0.00	-0.02	CO18
		M _x	1.28	0.02	2.08	0.00	0.00	-0.03	CO16
			1.28	0.02	2.08	0.00	0.00	-0.03	CO16
		M _y	1.28	0.02	2.08	0.00	0.00	-0.03	CO16
			1.28	0.02	2.08	0.00	0.00	-0.03	CO16
		M _z	0.99	0.02	1.85	0.00	0.00	-0.02	CO18
			1.81	0.03	2.96	0.00	0.00	-0.04	CO17
		Extremes	1.81	0.03	2.96	0.00	0.00	-0.02	
			0.99	0.02	1.85	0.00	0.00	-0.04	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
32	DS4	P _x	-1.17	0.02	2.02	0.00	0.00	0.02	CO18
			-2.15	0.02	3.21	0.00	0.00	0.04	CO17
		P _y	-2.15	0.02	3.21	0.00	0.00	0.04	CO17
			-1.17	0.02	2.02	0.00	0.00	0.02	CO18
		P _z	-2.15	0.02	3.21	0.00	0.00	0.04	CO17
			-1.17	0.02	2.02	0.00	0.00	0.02	CO18
		M _k	-1.52	0.02	2.27	0.00	0.00	0.03	CO16
			-1.52	0.02	2.27	0.00	0.00	0.03	CO16
		M _y	-1.52	0.02	2.27	0.00	0.00	0.03	CO16
			-1.52	0.02	2.27	0.00	0.00	0.03	CO16
		M _z	-2.15	0.02	3.21	0.00	0.00	0.04	CO17
			-1.17	0.02	2.02	0.00	0.00	0.02	CO18
		Extremes	-1.17	0.02	3.21	0.00	0.00	0.04	
			-2.15	0.02	2.02	0.00	0.00	0.02	
34	DS4	P _x	1.82	-0.03	2.98	0.00	0.00	0.04	CO17
			1.00	-0.02	1.87	0.00	0.00	0.02	CO18
		P _y	1.00	-0.02	1.87	0.00	0.00	0.02	CO18
			1.82	-0.03	2.98	0.00	0.00	0.04	CO17
		P _z	1.82	-0.03	2.98	0.00	0.00	0.04	CO17
			1.00	-0.02	1.87	0.00	0.00	0.02	CO18
		M _k	1.28	-0.02	2.10	0.00	0.00	0.02	CO16
			1.28	-0.02	2.10	0.00	0.00	0.02	CO16
		M _y	1.28	-0.02	2.10	0.00	0.00	0.02	CO16
			1.28	-0.02	2.10	0.00	0.00	0.02	CO16
		M _z	1.82	-0.03	2.98	0.00	0.00	0.04	CO17
			1.00	-0.02	1.87	0.00	0.00	0.02	CO18
		Extremes	1.82	-0.02	2.98	0.00	0.00	0.04	
			1.00	-0.03	1.87	0.00	0.00	0.02	
37	DS4	P _x	-0.84	-0.02	1.94	0.00	0.00	-0.03	CO18
			-1.53	-0.04	3.10	0.00	0.00	-0.05	CO17
		P _y	-0.84	-0.02	1.94	0.00	0.00	-0.03	CO18
			-1.53	-0.04	3.10	0.00	0.00	-0.05	CO17
		P _z	-1.53	-0.04	3.10	0.00	0.00	-0.05	CO17
			-0.84	-0.02	1.94	0.00	0.00	-0.03	CO18
		M _k	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO16
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO16
		M _y	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO16
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO16
		M _z	-0.84	-0.02	1.94	0.00	0.00	-0.03	CO18
			-1.53	-0.04	3.10	0.00	0.00	-0.05	CO17
		Extremes	-0.84	-0.02	3.10	0.00	0.00	-0.03	
			-1.53	-0.04	1.94	0.00	0.00	-0.05	
39	DS4	P _x	0.00	0.00	1.49	0.00	0.00	0.00	CO18
			0.00	0.00	2.37	0.00	0.00	0.00	CO17
		P _y	0.00	0.00	2.37	0.00	0.00	0.00	CO17
			0.00	0.00	1.49	0.00	0.00	0.00	CO18
		P _z	0.00	0.00	2.37	0.00	0.00	0.00	CO17
			0.00	0.00	1.49	0.00	0.00	0.00	CO18
		M _k	0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
		M _y	0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
		M _z	0.00	0.00	1.49	0.00	0.00	0.00	CO18
			0.00	0.00	2.37	0.00	0.00	0.00	CO17
		Extremes	0.00	0.00	2.37	0.00	0.00	0.00	
			0.00	0.00	1.49	0.00	0.00	0.00	
42	DS4	P _x	0.01	-0.02	2.27	0.00	0.00	-0.01	CO17
			0.01	-0.01	1.43	0.00	0.00	0.00	CO18
		P _y	0.01	-0.01	1.43	0.00	0.00	0.00	CO18
			0.01	-0.02	2.27	0.00	0.00	-0.01	CO17
		P _z	0.01	-0.02	2.27	0.00	0.00	-0.01	CO17
			0.01	-0.01	1.43	0.00	0.00	0.00	CO18
		M _k	0.01	-0.01	1.59	0.00	0.00	0.00	CO16
			0.01	-0.01	1.59	0.00	0.00	0.00	CO16
		M _y	0.01	-0.01	1.59	0.00	0.00	0.00	CO16
			0.01	-0.01	1.59	0.00	0.00	0.00	CO16
		M _z	0.01	-0.01	1.43	0.00	0.00	0.00	CO18
			0.01	-0.02	2.27	0.00	0.00	-0.01	CO17
		Extremes	0.01	-0.01	2.27	0.00	0.00	0.00	
			0.01	-0.02	1.43	0.00	0.00	-0.01	
44	DS4	P _x	1.88	0.03	3.01	0.00	0.00	-0.04	CO17
			1.03	0.02	1.88	0.00	0.00	-0.02	CO18

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
44		P_y	1.88	0.03	3.01	0.00	0.00	-0.04	CO17
			1.03	0.02	1.88	0.00	0.00	-0.02	CO18
			1.88	0.03	3.01	0.00	0.00	-0.04	CO17
		P_z	1.03	0.02	1.88	0.00	0.00	-0.02	CO18
			1.33	0.02	2.12	0.00	0.00	-0.03	CO16
			1.33	0.02	2.12	0.00	0.00	-0.03	CO16
		M_k	1.33	0.02	2.12	0.00	0.00	-0.03	CO16
			1.33	0.02	2.12	0.00	0.00	-0.03	CO16
			1.33	0.02	2.12	0.00	0.00	-0.03	CO16
		M_y	1.03	0.02	1.88	0.00	0.00	-0.02	CO18
			1.88	0.03	3.01	0.00	0.00	-0.04	CO17
			1.88	0.03	3.01	0.00	0.00	-0.02	
Extremes 44			1.03	0.02	1.88	0.00	0.00	-0.04	
47	DS4	P_x	-1.45	0.02	1.86	0.00	0.00	0.02	CO18
			-2.60	0.03	2.97	0.00	0.00	0.04	CO17
			-2.60	0.03	2.97	0.00	0.00	0.04	CO17
		P_y	-1.45	0.02	1.86	0.00	0.00	0.02	CO18
			-2.60	0.03	2.97	0.00	0.00	0.04	CO17
			-1.45	0.02	1.86	0.00	0.00	0.02	CO18
		P_z	-1.84	0.02	2.09	0.00	0.00	0.03	CO16
			-1.84	0.02	2.09	0.00	0.00	0.03	CO16
			-1.84	0.02	2.09	0.00	0.00	0.03	CO16
		M_k	-1.84	0.02	2.09	0.00	0.00	0.03	CO16
			-1.84	0.02	2.09	0.00	0.00	0.03	CO16
			-1.84	0.02	2.09	0.00	0.00	0.03	CO16
Extremes 47			-2.60	0.03	2.97	0.00	0.00	0.04	CO17
49	DS4	P_x	1.88	-0.03	3.01	0.00	0.00	0.04	CO17
			1.03	-0.02	1.88	0.00	0.00	0.02	CO18
			1.03	-0.02	1.88	0.00	0.00	0.02	CO18
		P_y	1.88	-0.03	3.01	0.00	0.00	0.04	CO17
			1.88	-0.03	3.01	0.00	0.00	0.04	CO17
			1.03	-0.02	1.88	0.00	0.00	0.02	CO18
		P_z	1.33	-0.02	2.12	0.00	0.00	0.03	CO16
			1.33	-0.02	2.12	0.00	0.00	0.03	CO16
			1.33	-0.02	2.12	0.00	0.00	0.03	CO16
		M_k	1.33	-0.02	2.12	0.00	0.00	0.03	CO16
			1.33	-0.02	2.12	0.00	0.00	0.03	CO16
			1.33	-0.02	2.12	0.00	0.00	0.03	CO16
Extremes 49			1.88	-0.03	3.01	0.00	0.00	0.04	CO17
52	DS4	P_x	-1.11	-0.02	1.86	0.00	0.00	-0.02	CO18
			-2.02	-0.03	2.98	0.00	0.00	-0.03	CO17
			-1.11	-0.02	1.86	0.00	0.00	-0.02	CO18
		P_y	-2.02	-0.03	2.98	0.00	0.00	-0.03	CO17
			-2.02	-0.03	2.98	0.00	0.00	-0.03	CO17
			-1.11	-0.02	1.86	0.00	0.00	-0.02	CO18
		P_z	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO16
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO16
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO16
		M_k	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO16
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO16
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO16
Extremes 52			-1.11	-0.02	1.86	0.00	0.00	-0.02	CO18
54	DS4	P_x	0.00	0.00	1.49	0.00	0.00	0.00	CO18
			0.00	0.00	2.37	0.00	0.00	0.00	CO17
			0.00	0.00	1.49	0.00	0.00	0.00	CO18
		P_y	0.00	0.00	2.37	0.00	0.00	0.00	CO17
			0.00	0.00	2.37	0.00	0.00	0.00	CO17
			0.00	0.00	1.49	0.00	0.00	0.00	CO18
		P_z	0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
		M_k	0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
Extremes 54			0.00	0.00	2.37	0.00	0.00	0.00	CO17
57	DS4	P_x	0.01	0.00	2.30	0.00	0.00	0.00	CO17
			0.00	0.00	1.45	0.00	0.00	0.00	CO18
		P_y	0.01	0.00	2.30	0.00	0.00	0.00	CO17
			0.01	0.00	1.62	0.00	0.00	0.00	CO16

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
57		P _z	0.01	0.00	2.30	0.00	0.00	0.00	CO17
			0.00	0.00	1.45	0.00	0.00	0.00	CO18
		M _k	0.01	0.00	1.62	0.00	0.00	0.00	CO16
			0.01	0.00	1.62	0.00	0.00	0.00	CO16
		M _y	0.01	0.00	1.62	0.00	0.00	0.00	CO16
			0.01	0.00	1.62	0.00	0.00	0.00	CO16
		M _z	0.00	0.00	1.45	0.00	0.00	0.00	CO18
			0.01	0.00	1.62	0.00	0.00	0.00	CO16
		Extremes	0.01	0.00	2.30	0.00	0.00	0.00	
			0.00	0.00	1.45	0.00	0.00	0.00	
59	DS4	P _x	1.86	0.03	2.99	0.00	0.00	-0.04	CO17
			1.02	0.02	1.87	0.00	0.00	-0.02	CO18
		P _y	1.86	0.03	2.99	0.00	0.00	-0.04	CO17
			1.02	0.02	1.87	0.00	0.00	-0.02	CO18
		P _z	1.86	0.03	2.99	0.00	0.00	-0.04	CO17
			1.02	0.02	1.87	0.00	0.00	-0.02	CO18
		M _k	1.31	0.02	2.11	0.00	0.00	-0.03	CO16
			1.31	0.02	2.11	0.00	0.00	-0.03	CO16
		M _y	1.31	0.02	2.11	0.00	0.00	-0.03	CO16
			1.31	0.02	2.11	0.00	0.00	-0.03	CO16
		M _z	1.02	0.02	1.87	0.00	0.00	-0.02	CO18
			1.86	0.03	2.99	0.00	0.00	-0.04	CO17
		Extremes	1.86	0.03	2.99	0.00	0.00	-0.02	
			1.02	0.02	1.87	0.00	0.00	-0.04	
62	DS4	P _x	-1.39	0.02	1.89	0.00	0.00	0.02	CO18
			-2.49	0.03	3.01	0.00	0.00	0.04	CO17
		P _y	-2.49	0.03	3.01	0.00	0.00	0.04	CO17
			-1.39	0.02	1.89	0.00	0.00	0.02	CO18
		P _z	-2.49	0.03	3.01	0.00	0.00	0.04	CO17
			-1.39	0.02	1.89	0.00	0.00	0.02	CO18
		M _k	-1.77	0.02	2.12	0.00	0.00	0.03	CO16
			-1.77	0.02	2.12	0.00	0.00	0.03	CO16
		M _y	-1.77	0.02	2.12	0.00	0.00	0.03	CO16
			-1.77	0.02	2.12	0.00	0.00	0.03	CO16
		M _z	-2.49	0.03	3.01	0.00	0.00	0.04	CO17
			-1.39	0.02	1.89	0.00	0.00	0.02	CO18
		Extremes	-1.39	0.03	3.01	0.00	0.00	0.04	
			-2.49	0.02	1.89	0.00	0.00	0.02	
64	DS4	P _x	1.86	-0.03	2.99	0.00	0.00	0.04	CO17
			1.02	-0.02	1.87	0.00	0.00	0.02	CO18
		P _y	1.02	-0.02	1.87	0.00	0.00	0.02	CO18
			1.86	-0.03	2.99	0.00	0.00	0.04	CO17
		P _z	1.86	-0.03	2.99	0.00	0.00	0.04	CO17
			1.02	-0.02	1.87	0.00	0.00	0.02	CO18
		M _k	1.31	-0.02	2.11	0.00	0.00	0.03	CO16
			1.31	-0.02	2.11	0.00	0.00	0.03	CO16
		M _y	1.31	-0.02	2.11	0.00	0.00	0.03	CO16
			1.31	-0.02	2.11	0.00	0.00	0.03	CO16
		M _z	1.86	-0.03	2.99	0.00	0.00	0.04	CO17
			1.02	-0.02	1.87	0.00	0.00	0.02	CO18
		Extremes	1.86	-0.02	2.99	0.00	0.00	0.04	
			1.02	-0.03	1.87	0.00	0.00	0.02	
67	DS4	P _x	-1.00	-0.02	1.87	0.00	0.00	-0.02	CO18
			-1.82	-0.03	2.99	0.00	0.00	-0.04	CO17
		P _y	-1.00	-0.02	1.87	0.00	0.00	-0.02	CO18
			-1.82	-0.03	2.99	0.00	0.00	-0.04	CO17
		P _z	-1.82	-0.03	2.99	0.00	0.00	-0.04	CO17
			-1.00	-0.02	1.87	0.00	0.00	-0.02	CO18
		M _k	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO16
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO16
		M _y	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO16
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO16
		M _z	-1.00	-0.02	1.87	0.00	0.00	-0.02	CO18
			-1.82	-0.03	2.99	0.00	0.00	-0.04	CO17
		Extremes	-1.00	-0.02	2.99	0.00	0.00	-0.02	
			-1.82	-0.03	1.87	0.00	0.00	-0.04	
69	DS4	P _x	0.00	0.00	1.49	0.00	0.00	0.00	CO18
			0.00	0.00	2.37	0.00	0.00	0.00	CO17
		P _y	0.00	0.00	2.37	0.00	0.00	0.00	CO17
			0.00	0.00	1.49	0.00	0.00	0.00	CO18
		P _z	0.00	0.00	2.37	0.00	0.00	0.00	CO17
			0.00	0.00	1.49	0.00	0.00	0.00	CO18

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
69		M _k	0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
		M _y	0.00	0.00	1.67	0.00	0.00	0.00	CO16
			0.00	0.00	1.67	0.00	0.00	0.00	CO16
		M _z	0.00	0.00	1.49	0.00	0.00	0.00	CO18
			0.00	0.00	2.37	0.00	0.00	0.00	CO17
		Extremes	0.00	0.00	2.37	0.00	0.00	0.00	
			0.00	0.00	1.49	0.00	0.00	0.00	
72	DS4	P _x	0.01	0.00	2.28	0.00	0.00	0.00	CO17
			0.01	0.00	1.43	0.00	0.00	0.00	CO18
		P _y	0.01	0.00	1.43	0.00	0.00	0.00	CO18
			0.01	0.00	2.28	0.00	0.00	0.00	CO17
		P _z	0.01	0.00	2.28	0.00	0.00	0.00	CO17
			0.01	0.00	1.43	0.00	0.00	0.00	CO18
		M _k	0.01	0.00	1.60	0.00	0.00	0.00	CO16
			0.01	0.00	1.60	0.00	0.00	0.00	CO16
		M _y	0.01	0.00	1.60	0.00	0.00	0.00	CO16
			0.01	0.00	1.60	0.00	0.00	0.00	CO16
		M _z	0.01	0.00	2.28	0.00	0.00	0.00	CO17
			0.01	0.00	1.60	0.00	0.00	0.00	CO16
		Extremes	0.01	0.00	2.28	0.00	0.00	0.00	
			0.01	0.00	1.43	0.00	0.00	0.00	
74	DS4	P _x	1.90	0.03	3.01	0.00	0.00	-0.04	CO17
			1.04	0.02	1.88	0.00	0.00	-0.02	CO18
		P _y	1.90	0.03	3.01	0.00	0.00	-0.04	CO17
			1.04	0.02	1.88	0.00	0.00	-0.02	CO18
		P _z	1.90	0.03	3.01	0.00	0.00	-0.04	CO17
			1.04	0.02	1.88	0.00	0.00	-0.02	CO18
		M _k	1.34	0.02	2.12	0.00	0.00	-0.03	CO16
			1.34	0.02	2.12	0.00	0.00	-0.03	CO16
		M _y	1.34	0.02	2.12	0.00	0.00	-0.03	CO16
			1.34	0.02	2.12	0.00	0.00	-0.03	CO16
		M _z	1.04	0.02	1.88	0.00	0.00	-0.02	CO18
			1.90	0.03	3.01	0.00	0.00	-0.04	CO17
		Extremes	1.90	0.03	3.01	0.00	0.00	-0.02	
			1.04	0.02	1.88	0.00	0.00	-0.04	
77	DS4	P _x	-1.44	0.02	1.88	0.00	0.00	0.02	CO18
			-2.59	0.03	3.01	0.00	0.00	0.04	CO17
		P _y	-2.59	0.03	3.01	0.00	0.00	0.04	CO17
			-1.44	0.02	1.88	0.00	0.00	0.02	CO18
		P _z	-2.59	0.03	3.01	0.00	0.00	0.04	CO17
			-1.44	0.02	1.88	0.00	0.00	0.02	CO18
		M _k	-1.83	0.02	2.12	0.00	0.00	0.03	CO16
			-1.83	0.02	2.12	0.00	0.00	0.03	CO16
		M _y	-1.83	0.02	2.12	0.00	0.00	0.03	CO16
			-1.83	0.02	2.12	0.00	0.00	0.03	CO16
		M _z	-2.59	0.03	3.01	0.00	0.00	0.04	CO17
			-1.44	0.02	1.88	0.00	0.00	0.02	CO18
		Extremes	-1.44	0.03	3.01	0.00	0.00	0.04	
			-2.59	0.02	1.88	0.00	0.00	0.02	
79	DS4	P _x	1.90	-0.03	3.03	0.00	0.00	0.04	CO17
			1.04	-0.02	1.90	0.00	0.00	0.02	CO18
		P _y	1.04	-0.02	1.90	0.00	0.00	0.02	CO18
			1.90	-0.03	3.03	0.00	0.00	0.04	CO17
		P _z	1.90	-0.03	3.03	0.00	0.00	0.04	CO17
			1.04	-0.02	1.90	0.00	0.00	0.02	CO18
		M _k	1.35	-0.02	2.14	0.00	0.00	0.03	CO16
			1.35	-0.02	2.14	0.00	0.00	0.03	CO16
		M _y	1.35	-0.02	2.14	0.00	0.00	0.03	CO16
			1.35	-0.02	2.14	0.00	0.00	0.03	CO16
		M _z	1.90	-0.03	3.03	0.00	0.00	0.04	CO17
			1.04	-0.02	1.90	0.00	0.00	0.02	CO18
		Extremes	1.90	-0.02	3.03	0.00	0.00	0.04	
			1.04	-0.03	1.90	0.00	0.00	0.02	
82	DS4	P _x	-1.20	-0.02	1.90	0.00	0.00	-0.02	CO18
			-2.18	-0.03	3.03	0.00	0.00	-0.04	CO17
		P _y	-1.20	-0.02	1.90	0.00	0.00	-0.02	CO18
			-2.18	-0.03	3.03	0.00	0.00	-0.04	CO17
		P _z	-2.18	-0.03	3.03	0.00	0.00	-0.04	CO17
			-1.20	-0.02	1.90	0.00	0.00	-0.02	CO18
		M _k	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO16
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO16

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
82		M _y	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO16
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO16
		M _z	-1.20	-0.02	1.90	0.00	0.00	-0.02	CO18
			-2.18	-0.03	3.03	0.00	0.00	-0.04	CO17
			-1.20	-0.02	3.03	0.00	0.00	-0.02	
			-2.18	-0.03	1.90	0.00	0.00	-0.04	
84	DS4	P _x	0.00	-0.01	1.49	0.00	0.00	0.01	CO18
			0.00	-0.01	2.38	0.00	0.00	0.01	CO17
		P _y	0.00	-0.01	1.49	0.00	0.00	0.01	CO18
			0.00	-0.01	2.38	0.00	0.00	0.01	CO17
		P _z	0.00	-0.01	2.38	0.00	0.00	0.01	CO17
			0.00	-0.01	1.49	0.00	0.00	0.01	CO18
		M _x	0.00	-0.01	1.67	0.00	0.00	0.01	CO16
			0.00	-0.01	1.67	0.00	0.00	0.01	CO16
		M _y	0.00	-0.01	1.67	0.00	0.00	0.01	CO16
			0.00	-0.01	1.67	0.00	0.00	0.01	CO16
		M _z	0.00	-0.01	2.38	0.00	0.00	0.01	CO17
			0.00	-0.01	1.49	0.00	0.00	0.01	CO18
		Extremes	0.00	-0.01	2.38	0.00	0.00	0.01	
			0.00	-0.01	1.49	0.00	0.00	0.01	
87	DS4	P _x	0.00	-0.01	2.35	0.00	0.00	-0.01	CO17
			0.00	-0.01	1.48	0.00	0.00	0.00	CO18
		P _y	0.00	-0.01	1.48	0.00	0.00	0.00	CO18
			0.00	-0.01	2.35	0.00	0.00	-0.01	CO17
		P _z	0.00	-0.01	2.35	0.00	0.00	-0.01	CO17
			0.00	-0.01	1.48	0.00	0.00	0.00	CO18
		M _x	0.00	-0.01	1.65	0.00	0.00	0.00	CO16
			0.00	-0.01	1.65	0.00	0.00	0.00	CO16
		M _y	0.00	-0.01	1.65	0.00	0.00	0.00	CO16
			0.00	-0.01	1.65	0.00	0.00	0.00	CO16
		M _z	0.00	-0.01	1.48	0.00	0.00	0.00	CO18
			0.00	-0.01	2.35	0.00	0.00	-0.01	CO17
		Extremes	0.00	-0.01	2.35	0.00	0.00	0.00	
			0.00	-0.01	1.48	0.00	0.00	-0.01	
89	DS4	P _x	1.70	0.03	2.94	0.00	0.00	-0.03	CO17
			0.94	0.02	1.84	0.00	0.00	-0.02	CO18
		P _y	1.70	0.03	2.94	0.00	0.00	-0.03	CO17
			0.94	0.02	1.84	0.00	0.00	-0.02	CO18
		P _z	1.70	0.03	2.94	0.00	0.00	-0.03	CO17
			0.94	0.02	1.84	0.00	0.00	-0.02	CO18
		M _x	1.20	0.02	2.07	0.00	0.00	-0.02	CO16
			1.20	0.02	2.07	0.00	0.00	-0.02	CO16
		M _y	1.20	0.02	2.07	0.00	0.00	-0.02	CO16
			1.20	0.02	2.07	0.00	0.00	-0.02	CO16
		M _z	0.94	0.02	1.84	0.00	0.00	-0.02	CO18
			1.70	0.03	2.94	0.00	0.00	-0.03	CO17
		Extremes	1.70	0.03	2.94	0.00	0.00	-0.02	
			0.94	0.02	1.84	0.00	0.00	-0.03	
92	DS4	P _x	-1.26	0.02	1.85	0.00	0.00	0.02	CO18
			-2.25	0.03	2.96	0.00	0.00	0.03	CO17
		P _y	-2.25	0.03	2.96	0.00	0.00	0.03	CO17
			-1.26	0.02	1.85	0.00	0.00	0.02	CO18
		P _z	-2.25	0.03	2.96	0.00	0.00	0.03	CO17
			-1.26	0.02	1.85	0.00	0.00	0.02	CO18
		M _x	-1.60	0.02	2.09	0.00	0.00	0.02	CO16
			-1.60	0.02	2.09	0.00	0.00	0.02	CO16
		M _y	-1.60	0.02	2.09	0.00	0.00	0.02	CO16
			-1.60	0.02	2.09	0.00	0.00	0.02	CO16
		M _z	-2.25	0.03	2.96	0.00	0.00	0.03	CO17
			-1.26	0.02	1.85	0.00	0.00	0.02	CO18
		Extremes	-1.26	0.03	2.96	0.00	0.00	0.03	
			-2.25	0.02	1.85	0.00	0.00	0.02	
94	DS4	P _x	1.67	-0.04	2.85	0.00	0.00	0.04	CO17
			0.93	-0.02	1.79	0.00	0.00	0.02	CO18
		P _y	0.93	-0.02	1.79	0.00	0.00	0.02	CO18
			1.67	-0.04	2.85	0.00	0.00	0.04	CO17
		P _z	1.67	-0.04	2.85	0.00	0.00	0.04	CO17
			0.93	-0.02	1.79	0.00	0.00	0.02	CO18
		M _x	1.18	-0.03	2.01	0.00	0.00	0.03	CO16
			1.18	-0.03	2.01	0.00	0.00	0.03	CO16
		M _y	1.18	-0.03	2.01	0.00	0.00	0.03	CO16
			1.18	-0.03	2.01	0.00	0.00	0.03	CO16
		Extremes	1.18	-0.03	2.01	0.00	0.00	0.03	
			1.18	-0.03	2.01	0.00	0.00	0.03	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
94 Extremes 94		M _z	1.67	-0.04	2.85	0.00	0.00	0.04	CO17
			0.93	-0.02	1.79	0.00	0.00	0.02	CO18
			1.67	-0.02	2.85	0.00	0.00	0.04	
			0.93	-0.04	1.79	0.00	0.00	0.02	
97 Extremes 97	DS4	P _x	-0.35	-0.02	1.74	0.00	0.00	-0.02	CO18
			-0.65	-0.04	2.77	0.00	0.00	-0.04	CO17
		P _y	-0.35	-0.02	1.74	0.00	0.00	-0.02	CO18
			-0.65	-0.04	2.77	0.00	0.00	-0.04	CO17
		P _z	-0.65	-0.04	2.77	0.00	0.00	-0.04	CO17
			-0.35	-0.02	1.74	0.00	0.00	-0.02	CO18
		M _x	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO16
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO16
		M _y	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO16
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO16
		M _z	-0.35	-0.02	1.74	0.00	0.00	-0.02	CO18
			-0.65	-0.04	2.77	0.00	0.00	-0.04	CO17
		Extremes	-0.35	-0.02	2.77	0.00	0.00	-0.02	
			-0.65	-0.04	1.74	0.00	0.00	-0.04	
99 Extremes 99	DS4	P _x	0.00	0.04	1.49	0.00	0.00	-0.02	CO18
			0.00	0.06	2.37	0.00	0.00	-0.04	CO17
		P _y	0.00	0.06	2.37	0.00	0.00	-0.04	CO17
			0.00	0.04	1.49	0.00	0.00	-0.02	CO18
		P _z	0.00	0.06	2.37	0.00	0.00	-0.04	CO17
			0.00	0.04	1.49	0.00	0.00	-0.02	CO18
		M _x	0.00	0.04	1.67	0.00	0.00	-0.03	CO16
			0.00	0.04	1.67	0.00	0.00	-0.03	CO16
		M _y	0.00	0.04	1.67	0.00	0.00	-0.03	CO16
			0.00	0.04	1.67	0.00	0.00	-0.03	CO16
		M _z	0.00	0.04	1.49	0.00	0.00	-0.02	CO18
			0.00	0.06	2.37	0.00	0.00	-0.04	CO17
		Extremes	0.00	0.06	2.37	0.00	0.00	-0.02	
			0.00	0.04	1.49	0.00	0.00	-0.04	
102 Extremes 102	DS4	P _x	0.05	0.05	1.91	0.00	0.00	0.03	CO17
			0.03	0.03	1.22	0.00	0.00	0.02	CO18
		P _y	0.05	0.05	1.91	0.00	0.00	0.03	CO17
			0.03	0.03	1.22	0.00	0.00	0.02	CO18
		P _z	0.05	0.05	1.91	0.00	0.00	0.03	CO17
			0.03	0.03	1.22	0.00	0.00	0.02	CO18
		M _x	0.03	0.04	1.34	0.00	0.00	0.02	CO16
			0.03	0.04	1.34	0.00	0.00	0.02	CO16
		M _y	0.03	0.04	1.34	0.00	0.00	0.02	CO16
			0.03	0.04	1.34	0.00	0.00	0.02	CO16
		M _z	0.05	0.05	1.91	0.00	0.00	0.03	CO17
			0.03	0.03	1.22	0.00	0.00	0.02	CO18
		Extremes	0.05	0.05	1.91	0.00	0.00	0.03	
			0.03	0.03	1.22	0.00	0.00	0.02	
104 Extremes 104	DS4	P _x	2.70	0.06	3.31	0.00	0.00	-0.07	CO17
			1.46	0.04	2.07	0.00	0.00	-0.04	CO18
		P _y	2.70	0.06	3.31	0.00	0.00	-0.07	CO17
			1.46	0.04	2.07	0.00	0.00	-0.04	CO18
		P _z	2.70	0.06	3.31	0.00	0.00	-0.07	CO17
			1.46	0.04	2.07	0.00	0.00	-0.04	CO18
		M _x	1.92	0.04	2.33	0.00	0.00	-0.05	CO16
			1.92	0.04	2.33	0.00	0.00	-0.05	CO16
		M _y	1.92	0.04	2.33	0.00	0.00	-0.05	CO16
			1.92	0.04	2.33	0.00	0.00	-0.05	CO16
		M _z	1.46	0.04	2.07	0.00	0.00	-0.04	CO18
			2.70	0.06	3.31	0.00	0.00	-0.07	CO17
		Extremes	2.70	0.06	3.31	0.00	0.00	-0.04	
			1.46	0.04	2.07	0.00	0.00	-0.07	
107 Extremes 107	DS4	P _x	-0.87	0.03	2.03	0.00	0.00	0.04	CO18
			-1.62	0.05	3.25	0.00	0.00	0.07	CO17
		P _y	-1.62	0.05	3.25	0.00	0.00	0.07	CO17
			-0.87	0.03	2.03	0.00	0.00	0.04	CO18
		P _z	-1.62	0.05	3.25	0.00	0.00	0.07	CO17
			-0.87	0.03	2.03	0.00	0.00	0.04	CO18
		M _x	-1.15	0.04	2.29	0.00	0.00	0.05	CO16
			-1.15	0.04	2.29	0.00	0.00	0.05	CO16
		M _y	-1.15	0.04	2.29	0.00	0.00	0.05	CO16
			-1.15	0.04	2.29	0.00	0.00	0.05	CO16
		M _z	-1.62	0.05	3.25	0.00	0.00	0.07	CO17
			-0.87	0.03	2.03	0.00	0.00	0.04	CO18
		Extremes	-0.87	0.03	2.03	0.00	0.00	0.04	
			-1.62	0.05	3.25	0.00	0.00	0.07	



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 107			-0.87 -1.62	0.05 0.03	3.25 2.03	0.00 0.00	0.00 0.00	0.07 0.04	
109	DS4	P _x	2.95	-0.02	3.71	0.00	0.00	0.04	CO17
			1.58	-0.01	2.31	0.00	0.00	0.02	CO18
		P _y	1.58	-0.01	2.31	0.00	0.00	0.02	CO18
			2.95	-0.02	3.71	0.00	0.00	0.04	CO17
		P _z	2.95	-0.02	3.71	0.00	0.00	0.04	CO17
			1.58	-0.01	2.31	0.00	0.00	0.02	CO18
		M _k	2.09	-0.01	2.62	0.00	0.00	0.03	CO16
			2.09	-0.01	2.62	0.00	0.00	0.03	CO16
		M _y	2.09	-0.01	2.62	0.00	0.00	0.03	CO16
			2.09	-0.01	2.62	0.00	0.00	0.03	CO16
		M _z	2.95	-0.02	3.71	0.00	0.00	0.04	CO17
			1.58	-0.01	2.31	0.00	0.00	0.02	CO18
		Extremes 109	2.95	-0.01	3.71	0.00	0.00	0.04	
			1.58	-0.02	2.31	0.00	0.00	0.02	
112	DS4	P _x	-2.78	-0.01	2.29	0.00	0.00	-0.02	CO18
			-5.01	-0.01	3.67	0.00	0.00	-0.04	CO17
		P _y	-2.78	-0.01	2.29	0.00	0.00	-0.02	CO18
			-5.01	-0.01	3.67	0.00	0.00	-0.04	CO17
		P _z	-5.01	-0.01	3.67	0.00	0.00	-0.04	CO17
			-2.78	-0.01	2.29	0.00	0.00	-0.02	CO18
		M _k	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO16
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO16
		M _y	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO16
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO16
		M _z	-2.78	-0.01	2.29	0.00	0.00	-0.02	CO18
			-5.01	-0.01	3.67	0.00	0.00	-0.04	CO17
		Extremes 112	-2.78	-0.01	3.67	0.00	0.00	-0.02	
			-5.01	-0.01	2.29	0.00	0.00	-0.04	
114	DS4	P _x	0.00	-0.18	0.78	0.00	0.00	0.11	CO18
			0.00	-0.28	1.22	0.00	0.00	0.17	CO17
		P _y	0.00	-0.18	0.78	0.00	0.00	0.11	CO18
			0.00	-0.28	1.22	0.00	0.00	0.17	CO17
		P _z	0.00	-0.28	1.22	0.00	0.00	0.17	CO17
			0.00	-0.18	0.78	0.00	0.00	0.11	CO18
		M _k	0.00	-0.20	0.87	0.00	0.00	0.12	CO16
			0.00	-0.20	0.87	0.00	0.00	0.12	CO16
		M _y	0.00	-0.20	0.87	0.00	0.00	0.12	CO16
			0.00	-0.20	0.87	0.00	0.00	0.12	CO16
		M _z	0.00	-0.28	1.22	0.00	0.00	0.17	CO17
			0.00	-0.18	0.78	0.00	0.00	0.11	CO18
		Extremes 114	0.00	-0.18	1.22	0.00	0.00	0.17	
			0.00	-0.28	0.78	0.00	0.00	0.11	
117	DS4	P _x	-0.01	-0.17	0.88	0.00	0.00	-0.11	CO18
			-0.02	-0.26	1.40	0.00	0.00	-0.17	CO17
		P _y	-0.01	-0.17	0.88	0.00	0.00	-0.11	CO18
			-0.02	-0.26	1.40	0.00	0.00	-0.17	CO17
		P _z	-0.02	-0.26	1.40	0.00	0.00	-0.17	CO17
			-0.01	-0.17	0.88	0.00	0.00	-0.11	CO18
		M _k	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO16
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO16
		M _y	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO16
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO16
		M _z	-0.01	-0.17	0.88	0.00	0.00	-0.11	CO18
			-0.02	-0.26	1.40	0.00	0.00	-0.17	CO17
		Extremes 117	-0.01	-0.17	1.40	0.00	0.00	-0.11	
			-0.02	-0.26	0.88	0.00	0.00	-0.17	
126	DS4	P _x	0.00	0.01	0.11	0.00	0.00	-0.01	CO17
			0.00	0.01	0.09	0.00	0.00	-0.01	CO18
		P _y	0.00	0.01	0.11	0.00	0.00	-0.01	CO17
			0.00	0.01	0.09	0.00	0.00	-0.01	CO18
		P _z	0.00	0.01	0.11	0.00	0.00	-0.01	CO17
			0.00	0.01	0.09	0.00	0.00	-0.01	CO18
		M _k	0.00	0.01	0.09	0.00	0.00	-0.01	CO16
			0.00	0.01	0.09	0.00	0.00	-0.01	CO16
		M _y	0.00	0.01	0.09	0.00	0.00	-0.01	CO16
			0.00	0.01	0.09	0.00	0.00	-0.01	CO16
		M _z	0.00	0.01	0.09	0.00	0.00	-0.01	CO18
			0.00	0.01	0.11	0.00	0.00	-0.01	CO17
		Extremes 126	0.00	0.01	0.11	0.00	0.00	-0.01	
			0.00	0.01	0.09	0.00	0.00	-0.01	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
127	DS4	P_x	0.43	-0.03	9.51	0.00	0.00	0.32	CO17
			0.23	-0.02	5.19	0.00	0.00	0.17	CO18
		P_y	0.23	-0.02	5.19	0.00	0.00	0.17	CO18
			0.43	-0.03	9.51	0.00	0.00	0.32	CO17
		P_z	0.43	-0.03	9.51	0.00	0.00	0.32	CO17
			0.23	-0.02	5.19	0.00	0.00	0.17	CO18
		M_k	0.30	-0.02	6.76	0.00	0.00	0.22	CO16
			0.30	-0.02	6.76	0.00	0.00	0.22	CO16
		M_y	0.30	-0.02	6.76	0.00	0.00	0.22	CO16
			0.30	-0.02	6.76	0.00	0.00	0.22	CO16
		M_z	0.43	-0.03	9.51	0.00	0.00	0.32	CO17
			0.23	-0.02	5.19	0.00	0.00	0.17	CO18
		Extremes	0.43	-0.02	9.51	0.00	0.00	0.32	
			0.23	-0.03	5.19	0.00	0.00	0.17	
130	DS4	P_x	0.62	0.01	12.23	0.00	0.00	-0.09	CO17
			0.34	0.00	6.67	0.00	0.00	-0.05	CO18
		P_y	0.62	0.01	12.23	0.00	0.00	-0.09	CO17
			0.34	0.00	6.67	0.00	0.00	-0.05	CO18
		P_z	0.62	0.01	12.23	0.00	0.00	-0.09	CO17
			0.34	0.00	6.67	0.00	0.00	-0.05	CO18
		M_k	0.44	0.01	8.69	0.00	0.00	-0.06	CO16
			0.44	0.01	8.69	0.00	0.00	-0.06	CO16
		M_y	0.44	0.01	8.69	0.00	0.00	-0.06	CO16
			0.44	0.01	8.69	0.00	0.00	-0.06	CO16
		M_z	0.62	0.01	12.23	0.00	0.00	-0.09	CO17
			0.34	0.00	6.67	0.00	0.00	-0.05	CO18
		Extremes	0.62	0.01	12.23	0.00	0.00	-0.09	
			0.34	0.00	6.67	0.00	0.00	-0.05	
133	DS4	P_x	0.57	0.00	11.75	0.00	0.00	0.02	CO17
			0.31	0.00	6.41	0.00	0.00	0.01	CO18
		P_y	0.57	0.00	11.75	0.00	0.00	0.02	CO17
			0.31	0.00	6.41	0.00	0.00	0.01	CO18
		P_z	0.57	0.00	11.75	0.00	0.00	0.02	CO17
			0.31	0.00	6.41	0.00	0.00	0.01	CO18
		M_k	0.41	0.00	8.34	0.00	0.00	0.02	CO16
			0.41	0.00	8.34	0.00	0.00	0.02	CO16
		M_y	0.41	0.00	8.34	0.00	0.00	0.02	CO16
			0.41	0.00	8.34	0.00	0.00	0.02	CO16
		M_z	0.57	0.00	11.75	0.00	0.00	0.02	CO17
			0.31	0.00	6.41	0.00	0.00	0.01	CO18
		Extremes	0.57	0.00	11.75	0.00	0.00	0.02	
			0.31	0.00	6.41	0.00	0.00	0.01	
136	DS4	P_x	0.58	0.00	11.84	0.00	0.00	-0.01	CO17
			0.31	0.00	6.46	0.00	0.00	-0.01	CO18
		P_y	0.58	0.00	11.84	0.00	0.00	-0.01	CO17
			0.31	0.00	6.46	0.00	0.00	-0.01	CO18
		P_z	0.58	0.00	11.84	0.00	0.00	-0.01	CO17
			0.31	0.00	6.46	0.00	0.00	-0.01	CO18
		M_k	0.41	0.00	8.41	0.00	0.00	-0.01	CO16
			0.41	0.00	8.41	0.00	0.00	-0.01	CO16
		M_y	0.41	0.00	8.41	0.00	0.00	-0.01	CO16
			0.41	0.00	8.41	0.00	0.00	-0.01	CO16
		M_z	0.58	0.00	11.84	0.00	0.00	-0.01	CO18
			0.31	0.00	6.46	0.00	0.00	-0.01	CO17
		Extremes	0.58	0.00	11.84	0.00	0.00	-0.01	
			0.31	0.00	6.46	0.00	0.00	-0.01	
139	DS4	P_x	0.59	0.00	11.92	0.00	0.00	0.02	CO17
			0.32	0.00	6.50	0.00	0.00	0.01	CO18
		P_y	0.59	0.00	11.92	0.00	0.00	0.02	CO17
			0.32	0.00	6.50	0.00	0.00	0.01	CO18
		P_z	0.59	0.00	11.92	0.00	0.00	0.02	CO17
			0.32	0.00	6.50	0.00	0.00	0.01	CO18
		M_k	0.42	0.00	8.47	0.00	0.00	0.01	CO16
			0.42	0.00	8.47	0.00	0.00	0.01	CO16
		M_y	0.42	0.00	8.47	0.00	0.00	0.01	CO16
			0.42	0.00	8.47	0.00	0.00	0.01	CO16
		M_z	0.59	0.00	11.92	0.00	0.00	0.02	CO17
			0.32	0.00	6.50	0.00	0.00	0.01	CO18
		Extremes	0.59	0.00	11.92	0.00	0.00	0.02	
			0.32	0.00	6.50	0.00	0.00	0.01	
142	DS4	P_x	0.55	0.01	11.49	0.00	0.00	-0.08	CO17
			0.30	0.00	6.27	0.00	0.00	-0.04	CO18

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
142		P_y	0.55	0.01	11.49	0.00	0.00	-0.08	CO17
			0.30	0.00	6.27	0.00	0.00	-0.04	CO18
			0.55	0.01	11.49	0.00	0.00	-0.08	CO17
		P_z	0.30	0.00	6.27	0.00	0.00	-0.04	CO18
			0.39	0.01	8.16	0.00	0.00	-0.05	CO16
			0.39	0.01	8.16	0.00	0.00	-0.05	CO16
		M_k	0.39	0.01	8.16	0.00	0.00	-0.05	CO16
			0.39	0.01	8.16	0.00	0.00	-0.05	CO16
			0.39	0.01	8.16	0.00	0.00	-0.05	CO16
		M_y	0.30	0.00	6.27	0.00	0.00	-0.04	CO18
			0.55	0.01	11.49	0.00	0.00	-0.08	CO17
			0.55	0.01	11.49	0.00	0.00	-0.04	
Extremes 142			0.30	0.00	6.27	0.00	0.00	-0.08	
145	DS4	P_x	0.72	-0.03	13.22	0.00	0.00	0.30	CO17
			0.39	-0.02	7.21	0.00	0.00	0.16	CO18
			0.39	-0.02	7.21	0.00	0.00	0.16	CO18
		P_y	0.72	-0.03	13.22	0.00	0.00	0.30	CO17
			0.39	-0.02	7.21	0.00	0.00	0.16	CO18
			0.72	-0.03	13.22	0.00	0.00	0.30	CO17
		P_z	0.39	-0.02	7.21	0.00	0.00	0.16	CO18
			0.51	-0.02	9.39	0.00	0.00	0.21	CO16
			0.51	-0.02	9.39	0.00	0.00	0.21	CO16
		M_k	0.51	-0.02	9.39	0.00	0.00	0.21	CO16
			0.51	-0.02	9.39	0.00	0.00	0.21	CO16
			0.51	-0.02	9.39	0.00	0.00	0.21	CO16
Extremes 145			0.72	-0.03	13.22	0.00	0.00	0.30	CO17
148	DS4	P_x	0.75	0.10	4.79	0.00	0.00	-0.62	CO17
			0.40	0.06	2.64	0.00	0.00	-0.34	CO18
			0.75	0.10	4.79	0.00	0.00	-0.62	CO17
		P_y	0.40	0.06	2.64	0.00	0.00	-0.34	CO18
			0.75	0.10	4.79	0.00	0.00	-0.62	CO17
			0.40	0.06	2.64	0.00	0.00	-0.34	CO18
		P_z	0.53	0.07	3.42	0.00	0.00	-0.44	CO16
			0.53	0.07	3.42	0.00	0.00	-0.44	CO16
			0.53	0.07	3.42	0.00	0.00	-0.44	CO16
		M_k	0.40	0.06	2.64	0.00	0.00	-0.34	CO18
			0.75	0.10	4.79	0.00	0.00	-0.62	CO17
			0.75	0.10	4.79	0.00	0.00	-0.34	
Extremes 148			0.40	0.06	2.64	0.00	0.00	-0.62	
149	DS4	P_x	0.00	0.00	0.07	0.00	0.00	0.01	CO18
			-0.01	0.01	0.09	0.00	0.00	0.01	CO17
			-0.01	0.01	0.09	0.00	0.00	0.01	CO17
		P_y	0.00	0.00	0.07	0.00	0.00	0.01	CO18
			-0.01	0.01	0.09	0.00	0.00	0.01	CO17
			0.00	0.01	0.08	0.00	0.00	0.01	CO16
		P_z	0.00	0.01	0.08	0.00	0.00	0.01	CO16
			0.00	0.01	0.08	0.00	0.00	0.01	CO16
			0.00	0.01	0.08	0.00	0.00	0.01	CO16
		M_k	-0.01	0.01	0.09	0.00	0.00	0.01	CO17
			0.00	0.00	0.07	0.00	0.00	0.01	CO18
			0.00	0.01	0.09	0.00	0.00	0.01	
Extremes 149			-0.01	0.00	0.07	0.00	0.00	0.01	
150	DS4	P_x	-0.22	-0.02	5.11	0.00	0.00	-0.18	CO18
			-0.41	-0.03	9.40	0.00	0.00	-0.32	CO17
			-0.22	-0.02	5.11	0.00	0.00	-0.18	CO18
		P_y	-0.41	-0.03	9.40	0.00	0.00	-0.32	CO17
			-0.41	-0.03	9.40	0.00	0.00	-0.32	CO17
			-0.22	-0.02	5.11	0.00	0.00	-0.18	CO18
		P_z	-0.29	-0.02	6.68	0.00	0.00	-0.23	CO16
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO16
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO16
		M_k	-0.22	-0.02	5.11	0.00	0.00	-0.18	CO18
			-0.41	-0.03	9.40	0.00	0.00	-0.32	CO17
			-0.22	-0.02	5.11	0.00	0.00	-0.18	
Extremes 150			-0.41	-0.03	9.40	0.00	0.00	-0.32	
153	DS4	P_x	-0.34	0.01	6.64	0.00	0.00	0.07	CO18
			-0.64	0.01	12.18	0.00	0.00	0.12	CO17
		P_y	-0.64	0.01	12.18	0.00	0.00	0.12	CO17
			-0.34	0.01	6.64	0.00	0.00	0.07	CO18

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
153		P _z	-0.64	0.01	12.18	0.00	0.00	0.12	CO17
			-0.34	0.01	6.64	0.00	0.00	0.07	CO18
		M _k	-0.45	0.01	8.65	0.00	0.00	0.08	CO16
			-0.45	0.01	8.65	0.00	0.00	0.08	CO16
		M _y	-0.45	0.01	8.65	0.00	0.00	0.08	CO16
			-0.45	0.01	8.65	0.00	0.00	0.08	CO16
		M _z	-0.64	0.01	12.18	0.00	0.00	0.12	CO17
			-0.34	0.01	6.64	0.00	0.00	0.07	CO18
		Extremes	-0.34	0.01	12.18	0.00	0.00	0.12	
			-0.64	0.01	6.64	0.00	0.00	0.07	
156	DS4	P _x	-0.33	0.00	6.56	0.00	0.00	-0.04	CO18
			-0.61	-0.01	12.03	0.00	0.00	-0.07	CO17
		P _y	-0.33	0.00	6.56	0.00	0.00	-0.04	CO18
			-0.61	-0.01	12.03	0.00	0.00	-0.07	CO17
		P _z	-0.61	-0.01	12.03	0.00	0.00	-0.07	CO17
			-0.33	0.00	6.56	0.00	0.00	-0.04	CO18
		M _k	-0.44	0.00	8.54	0.00	0.00	-0.05	CO16
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO16
		M _y	-0.44	0.00	8.54	0.00	0.00	-0.05	CO16
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO16
		M _z	-0.33	0.00	6.56	0.00	0.00	-0.04	CO18
			-0.61	-0.01	12.03	0.00	0.00	-0.07	CO17
		Extremes	-0.33	0.00	12.03	0.00	0.00	-0.04	
			-0.61	-0.01	6.56	0.00	0.00	-0.07	
159	DS4	P _x	-0.27	0.01	5.81	0.00	0.00	0.15	CO18
			-0.50	0.02	10.67	0.00	0.00	0.28	CO17
		P _y	-0.50	0.02	10.67	0.00	0.00	0.28	CO17
			-0.27	0.01	5.81	0.00	0.00	0.15	CO18
		P _z	-0.50	0.02	10.67	0.00	0.00	0.28	CO17
			-0.27	0.01	5.81	0.00	0.00	0.15	CO18
		M _k	-0.36	0.01	7.58	0.00	0.00	0.20	CO16
			-0.36	0.01	7.58	0.00	0.00	0.20	CO16
		M _y	-0.36	0.01	7.58	0.00	0.00	0.20	CO16
			-0.36	0.01	7.58	0.00	0.00	0.20	CO16
		M _z	-0.50	0.02	10.67	0.00	0.00	0.28	CO17
			-0.27	0.01	5.81	0.00	0.00	0.15	CO18
		Extremes	-0.27	0.02	10.67	0.00	0.00	0.28	
			-0.50	0.01	5.81	0.00	0.00	0.15	
162	DS4	P _x	-0.48	-0.04	8.52	0.00	0.00	-0.55	CO18
			-0.89	-0.06	15.60	0.00	0.00	-1.00	CO17
		P _y	-0.48	-0.04	8.52	0.00	0.00	-0.55	CO18
			-0.89	-0.06	15.60	0.00	0.00	-1.00	CO17
		P _z	-0.89	-0.06	15.60	0.00	0.00	-1.00	CO17
			-0.48	-0.04	8.52	0.00	0.00	-0.55	CO18
		M _k	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO16
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO16
		M _y	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO16
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO16
		M _z	-0.48	-0.04	8.52	0.00	0.00	-0.55	CO18
			-0.89	-0.06	15.60	0.00	0.00	-1.00	CO17
		Extremes	-0.48	-0.04	15.60	0.00	0.00	-0.55	
			-0.89	-0.06	8.52	0.00	0.00	-1.00	
166	DS4	P _x	-0.32	0.05	6.10	0.00	0.00	1.06	CO18
			-0.60	0.09	11.14	0.00	0.00	1.95	CO17
		P _y	-0.60	0.09	11.14	0.00	0.00	1.95	CO17
			-0.32	0.05	6.10	0.00	0.00	1.06	CO18
		P _z	-0.60	0.09	11.14	0.00	0.00	1.95	CO17
			-0.32	0.05	6.10	0.00	0.00	1.06	CO18
		M _k	-0.43	0.07	7.93	0.00	0.00	1.38	CO16
			-0.43	0.07	7.93	0.00	0.00	1.38	CO16
		M _y	-0.43	0.07	7.93	0.00	0.00	1.38	CO16
			-0.43	0.07	7.93	0.00	0.00	1.38	CO16
		M _z	-0.60	0.09	11.14	0.00	0.00	1.95	CO17
			-0.32	0.05	6.10	0.00	0.00	1.06	CO18
		Extremes	-0.32	0.09	11.14	0.00	0.00	1.95	
			-0.60	0.05	6.10	0.00	0.00	1.06	
168	DS4	P _x	0.00	0.01	-0.04	0.00	0.00	-0.03	CO17
			0.00	0.01	-0.02	0.00	0.00	-0.02	CO18
		P _y	0.00	0.01	-0.04	0.00	0.00	-0.03	CO17
			0.00	0.01	-0.02	0.00	0.00	-0.02	CO18
		P _z	0.00	0.01	-0.01	0.00	0.00	-0.02	CO16
			0.00	0.01	-0.04	0.00	0.00	-0.03	CO17

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
168		M _k	0.00	0.01	-0.01	0.00	0.00	-0.02	CO16
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO16
		M _y	0.00	0.01	-0.01	0.00	0.00	-0.02	CO16
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO16
		M _z	0.00	0.01	-0.02	0.00	0.00	-0.02	CO18
			0.00	0.01	-0.04	0.00	0.00	-0.03	CO17
		Extremes	0.00	0.01	-0.01	0.00	0.00	-0.02	
			0.00	0.01	-0.04	0.00	0.00	-0.03	
169	DS4	P _x	0.81	0.11	4.67	0.00	0.00	-0.84	CO17
			0.48	0.07	2.77	0.00	0.00	-0.50	CO18
		P _y	0.81	0.11	4.67	0.00	0.00	-0.84	CO17
			0.48	0.07	2.77	0.00	0.00	-0.50	CO18
		P _z	0.81	0.11	4.67	0.00	0.00	-0.84	CO17
			0.48	0.07	2.77	0.00	0.00	-0.50	CO18
		M _k	0.58	0.08	3.34	0.00	0.00	-0.60	CO16
			0.58	0.08	3.34	0.00	0.00	-0.60	CO16
		M _y	0.58	0.08	3.34	0.00	0.00	-0.60	CO16
			0.58	0.08	3.34	0.00	0.00	-0.60	CO16
		M _z	0.48	0.07	2.77	0.00	0.00	-0.50	CO18
			0.81	0.11	4.67	0.00	0.00	-0.84	CO17
		Extremes	0.81	0.11	4.67	0.00	0.00	-0.50	
			0.48	0.07	2.77	0.00	0.00	-0.84	
170	DS4	P _x	0.43	-0.03	9.11	0.00	0.00	0.38	CO17
			0.25	-0.02	5.35	0.00	0.00	0.22	CO18
		P _y	0.25	-0.02	5.35	0.00	0.00	0.22	CO18
			0.43	-0.03	9.11	0.00	0.00	0.38	CO17
		P _z	0.43	-0.03	9.11	0.00	0.00	0.38	CO17
			0.25	-0.02	5.35	0.00	0.00	0.22	CO18
		M _k	0.31	-0.02	6.48	0.00	0.00	0.27	CO16
			0.31	-0.02	6.48	0.00	0.00	0.27	CO16
		M _y	0.31	-0.02	6.48	0.00	0.00	0.27	CO16
			0.31	-0.02	6.48	0.00	0.00	0.27	CO16
		M _z	0.43	-0.03	9.11	0.00	0.00	0.38	CO17
			0.25	-0.02	5.35	0.00	0.00	0.22	CO18
		Extremes	0.43	-0.02	9.11	0.00	0.00	0.38	
			0.25	-0.03	5.35	0.00	0.00	0.22	
173	DS4	P _x	0.61	0.01	11.70	0.00	0.00	-0.11	CO17
			0.36	0.00	6.87	0.00	0.00	-0.06	CO18
		P _y	0.61	0.01	11.70	0.00	0.00	-0.11	CO17
			0.36	0.00	6.87	0.00	0.00	-0.06	CO18
		P _z	0.61	0.01	11.70	0.00	0.00	-0.11	CO17
			0.36	0.00	6.87	0.00	0.00	-0.06	CO18
		M _k	0.43	0.01	8.32	0.00	0.00	-0.08	CO16
			0.43	0.01	8.32	0.00	0.00	-0.08	CO16
		M _y	0.43	0.01	8.32	0.00	0.00	-0.08	CO16
			0.43	0.01	8.32	0.00	0.00	-0.08	CO16
		M _z	0.36	0.00	6.87	0.00	0.00	-0.06	CO18
			0.61	0.01	11.70	0.00	0.00	-0.11	CO17
		Extremes	0.61	0.01	11.70	0.00	0.00	-0.06	
			0.36	0.00	6.87	0.00	0.00	-0.11	
176	DS4	P _x	0.56	0.00	11.18	0.00	0.00	0.03	CO17
			0.33	0.00	6.56	0.00	0.00	0.02	CO18
		P _y	0.33	0.00	6.56	0.00	0.00	0.02	CO18
			0.56	0.00	11.18	0.00	0.00	0.03	CO17
		P _z	0.56	0.00	11.18	0.00	0.00	0.03	CO17
			0.33	0.00	6.56	0.00	0.00	0.02	CO18
		M _k	0.40	0.00	7.95	0.00	0.00	0.02	CO16
			0.40	0.00	7.95	0.00	0.00	0.02	CO16
		M _y	0.40	0.00	7.95	0.00	0.00	0.02	CO16
			0.40	0.00	7.95	0.00	0.00	0.02	CO16
		M _z	0.56	0.00	11.18	0.00	0.00	0.03	CO17
			0.33	0.00	6.56	0.00	0.00	0.02	CO18
		Extremes	0.56	0.00	11.18	0.00	0.00	0.03	
			0.33	0.00	6.56	0.00	0.00	0.02	
179	DS4	P _x	0.57	0.00	11.29	0.00	0.00	-0.01	CO17
			0.34	0.00	6.62	0.00	0.00	-0.01	CO18
		P _y	0.57	0.00	11.29	0.00	0.00	-0.01	CO17
			0.34	0.00	6.62	0.00	0.00	-0.01	CO18
		P _z	0.57	0.00	11.29	0.00	0.00	-0.01	CO17
			0.34	0.00	6.62	0.00	0.00	-0.01	CO18
		M _k	0.41	0.00	8.02	0.00	0.00	-0.01	CO16
			0.41	0.00	8.02	0.00	0.00	-0.01	CO16
		Extremes							

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
179		M_y	0.41	0.00	8.02	0.00	0.00	-0.01	CO16
			0.41	0.00	8.02	0.00	0.00	-0.01	CO16
		M_z	0.34	0.00	6.62	0.00	0.00	-0.01	CO18
			0.57	0.00	11.29	0.00	0.00	-0.01	CO17
			0.57	0.00	11.29	0.00	0.00	-0.01	
			0.34	0.00	6.62	0.00	0.00	-0.01	
Extremes 179									
182	DS4	P_x	0.58	0.00	11.37	0.00	0.00	0.03	CO17
			0.34	0.00	6.67	0.00	0.00	0.02	CO18
		P_y	0.34	0.00	6.67	0.00	0.00	0.02	CO18
			0.58	0.00	11.37	0.00	0.00	0.03	CO17
		P_z	0.58	0.00	11.37	0.00	0.00	0.03	CO17
			0.34	0.00	6.67	0.00	0.00	0.02	CO18
		M_k	0.41	0.00	8.08	0.00	0.00	0.02	CO16
			0.41	0.00	8.08	0.00	0.00	0.02	CO16
		M_y	0.41	0.00	8.08	0.00	0.00	0.02	CO16
			0.41	0.00	8.08	0.00	0.00	0.02	CO16
		M_z	0.58	0.00	11.37	0.00	0.00	0.03	CO17
			0.34	0.00	6.67	0.00	0.00	0.02	CO18
		Extremes 182	0.58	0.00	11.37	0.00	0.00	0.03	
			0.34	0.00	6.67	0.00	0.00	0.02	
185	DS4	P_x	0.54	0.01	10.91	0.00	0.00	-0.09	CO17
			0.32	0.00	6.39	0.00	0.00	-0.06	CO18
		P_y	0.54	0.01	10.91	0.00	0.00	-0.09	CO17
			0.32	0.00	6.39	0.00	0.00	-0.06	CO18
		P_z	0.54	0.01	10.91	0.00	0.00	-0.09	CO17
			0.32	0.00	6.39	0.00	0.00	-0.06	CO18
		M_k	0.38	0.00	7.75	0.00	0.00	-0.07	CO16
			0.38	0.00	7.75	0.00	0.00	-0.07	CO16
		M_y	0.38	0.00	7.75	0.00	0.00	-0.07	CO16
			0.38	0.00	7.75	0.00	0.00	-0.07	CO16
		M_z	0.32	0.00	6.39	0.00	0.00	-0.06	CO18
			0.54	0.01	10.91	0.00	0.00	-0.09	CO17
		Extremes 185	0.54	0.01	10.91	0.00	0.00	-0.06	
			0.32	0.00	6.39	0.00	0.00	-0.09	
188	DS4	P_x	0.71	-0.03	12.77	0.00	0.00	0.37	CO17
			0.42	-0.02	7.51	0.00	0.00	0.22	CO18
		P_y	0.42	-0.02	7.51	0.00	0.00	0.22	CO18
			0.71	-0.03	12.77	0.00	0.00	0.37	CO17
		P_z	0.71	-0.03	12.77	0.00	0.00	0.37	CO17
			0.42	-0.02	7.51	0.00	0.00	0.22	CO18
		M_k	0.51	-0.02	9.08	0.00	0.00	0.26	CO16
			0.51	-0.02	9.08	0.00	0.00	0.26	CO16
		M_y	0.51	-0.02	9.08	0.00	0.00	0.26	CO16
			0.51	-0.02	9.08	0.00	0.00	0.26	CO16
		M_z	0.71	-0.03	12.77	0.00	0.00	0.37	CO17
			0.42	-0.02	7.51	0.00	0.00	0.22	CO18
		Extremes 188	0.71	-0.02	12.77	0.00	0.00	0.37	
			0.42	-0.03	7.51	0.00	0.00	0.22	
191	DS4	P_x	0.00	0.01	-0.02	0.00	0.00	0.02	CO18
			-0.01	0.01	-0.05	0.00	0.00	0.03	CO17
		P_y	-0.01	0.01	-0.05	0.00	0.00	0.03	CO17
			0.00	0.01	-0.02	0.00	0.00	0.02	CO18
		P_z	-0.01	0.01	-0.02	0.00	0.00	0.02	CO16
			-0.01	0.01	-0.05	0.00	0.00	0.03	CO17
		M_k	-0.01	0.01	-0.02	0.00	0.00	0.02	CO16
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO16
		M_y	-0.01	0.01	-0.02	0.00	0.00	0.02	CO16
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO16
		M_z	-0.01	0.01	-0.05	0.00	0.00	0.03	CO17
			0.00	0.01	-0.02	0.00	0.00	0.02	CO18
		Extremes 191	0.00	0.01	-0.02	0.00	0.00	0.03	
			-0.01	0.01	-0.05	0.00	0.00	0.02	
192	DS4	P_x	-0.41	0.08	2.89	0.00	0.00	0.46	CO18
			-0.68	0.11	4.89	0.00	0.00	0.76	CO17
		P_y	-0.68	0.11	4.89	0.00	0.00	0.76	CO17
			-0.41	0.08	2.89	0.00	0.00	0.46	CO18
		P_z	-0.68	0.11	4.89	0.00	0.00	0.76	CO17
			-0.41	0.08	2.89	0.00	0.00	0.46	CO18
		M_k	-0.48	0.08	3.49	0.00	0.00	0.54	CO16
			-0.48	0.08	3.49	0.00	0.00	0.54	CO16
		M_y	-0.48	0.08	3.49	0.00	0.00	0.54	CO16
			-0.48	0.08	3.49	0.00	0.00	0.54	CO16
		Extremes 192	-0.48	0.08	3.49	0.00	0.00	0.54	
			-0.48	0.08	3.49	0.00	0.00	0.54	

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
192		M _z	-0.68	0.11	4.89	0.00	0.00	0.76	CO17
Extremes 192			-0.41	0.08	2.89	0.00	0.00	0.46	CO18
			-0.41	0.11	4.89	0.00	0.00	0.76	
			-0.68	0.08	2.89	0.00	0.00	0.46	
193	DS4	P _x	-0.20	-0.02	5.54	0.00	0.00	-0.19	CO18
			-0.34	-0.03	9.45	0.00	0.00	-0.31	CO17
		P _y	-0.20	-0.02	5.54	0.00	0.00	-0.19	CO18
			-0.34	-0.03	9.45	0.00	0.00	-0.31	CO17
		P _z	-0.34	-0.03	9.45	0.00	0.00	-0.31	CO17
			-0.20	-0.02	5.54	0.00	0.00	-0.19	CO18
		M _k	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO16
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO16
		M _y	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO16
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO16
		M _z	-0.20	-0.02	5.54	0.00	0.00	-0.19	CO18
			-0.34	-0.03	9.45	0.00	0.00	-0.31	CO17
Extremes 193			-0.20	-0.02	9.45	0.00	0.00	-0.19	
			-0.34	-0.03	5.54	0.00	0.00	-0.31	
196	DS4	P _x	-0.26	0.01	7.12	0.00	0.00	0.06	CO18
			-0.43	0.01	12.15	0.00	0.00	0.10	CO17
		P _y	-0.43	0.01	12.15	0.00	0.00	0.10	CO17
			-0.26	0.01	7.12	0.00	0.00	0.06	CO18
		P _z	-0.43	0.01	12.15	0.00	0.00	0.10	CO17
			-0.26	0.01	7.12	0.00	0.00	0.06	CO18
		M _k	-0.30	0.01	8.64	0.00	0.00	0.07	CO16
			-0.30	0.01	8.64	0.00	0.00	0.07	CO16
		M _y	-0.30	0.01	8.64	0.00	0.00	0.07	CO16
			-0.30	0.01	8.64	0.00	0.00	0.07	CO16
		M _z	-0.43	0.01	12.15	0.00	0.00	0.10	CO17
			-0.26	0.01	7.12	0.00	0.00	0.06	CO18
Extremes 196			-0.26	0.01	12.15	0.00	0.00	0.10	
			-0.43	0.01	7.12	0.00	0.00	0.06	
199	DS4	P _x	-0.23	0.00	6.79	0.00	0.00	-0.02	CO18
			-0.39	0.00	11.60	0.00	0.00	-0.03	CO17
		P _y	-0.23	0.00	6.79	0.00	0.00	-0.02	CO18
			-0.39	0.00	11.60	0.00	0.00	-0.03	CO17
		P _z	-0.39	0.00	11.60	0.00	0.00	-0.03	CO17
			-0.23	0.00	6.79	0.00	0.00	-0.02	CO18
		M _k	-0.28	0.00	8.24	0.00	0.00	-0.02	CO16
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO16
		M _y	-0.28	0.00	8.24	0.00	0.00	-0.02	CO16
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO16
		M _z	-0.23	0.00	6.79	0.00	0.00	-0.02	CO18
			-0.39	0.00	11.60	0.00	0.00	-0.03	CO17
Extremes 199			-0.23	0.00	11.60	0.00	0.00	-0.02	
			-0.39	0.00	6.79	0.00	0.00	-0.03	
202	DS4	P _x	-0.24	0.00	6.86	0.00	0.00	0.01	CO18
			-0.40	0.00	11.71	0.00	0.00	0.01	CO17
		P _y	-0.40	0.00	11.71	0.00	0.00	0.01	CO17
			-0.24	0.00	6.86	0.00	0.00	0.01	CO18
		P _z	-0.40	0.00	11.71	0.00	0.00	0.01	CO17
			-0.24	0.00	6.86	0.00	0.00	0.01	CO18
		M _k	-0.28	0.00	8.32	0.00	0.00	0.01	CO16
			-0.28	0.00	8.32	0.00	0.00	0.01	CO16
		M _y	-0.28	0.00	8.32	0.00	0.00	0.01	CO16
			-0.28	0.00	8.32	0.00	0.00	0.01	CO16
		M _z	-0.40	0.00	11.71	0.00	0.00	0.01	CO17
			-0.24	0.00	6.86	0.00	0.00	0.01	CO18
Extremes 202			-0.24	0.00	11.71	0.00	0.00	0.01	
			-0.40	0.00	6.86	0.00	0.00	0.01	
205	DS4	P _x	-0.24	0.00	6.91	0.00	0.00	-0.01	CO18
			-0.40	0.00	11.80	0.00	0.00	-0.02	CO17
		P _y	-0.24	0.00	6.91	0.00	0.00	-0.01	CO18
			-0.40	0.00	11.80	0.00	0.00	-0.02	CO17
		P _z	-0.40	0.00	11.80	0.00	0.00	-0.02	CO17
			-0.24	0.00	6.91	0.00	0.00	-0.01	CO18
		M _k	-0.29	0.00	8.39	0.00	0.00	-0.02	CO16
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO16
		M _y	-0.29	0.00	8.39	0.00	0.00	-0.02	CO16
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO16
		M _z	-0.24	0.00	6.91	0.00	0.00	-0.01	CO18
			-0.40	0.00	11.80	0.00	0.00	-0.02	CO17

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 205			-0.24 -0.40	0.00 0.00	11.80 6.91	0.00 0.00	0.00 0.00	-0.01 -0.02	
208	DS4	P _x	-0.22	0.00	6.61	0.00	0.00	0.06	CO18
			-0.37	0.01	11.31	0.00	0.00	0.09	CO17
		P _y	-0.37	0.01	11.31	0.00	0.00	0.09	CO17
			-0.22	0.00	6.61	0.00	0.00	0.06	CO18
		P _z	-0.37	0.01	11.31	0.00	0.00	0.09	CO17
			-0.22	0.00	6.61	0.00	0.00	0.06	CO18
		M _k	-0.26	0.00	8.04	0.00	0.00	0.07	CO16
			-0.26	0.00	8.04	0.00	0.00	0.07	CO16
		M _y	-0.26	0.00	8.04	0.00	0.00	0.07	CO16
			-0.26	0.00	8.04	0.00	0.00	0.07	CO16
		M _z	-0.37	0.01	11.31	0.00	0.00	0.09	CO17
			-0.22	0.00	6.61	0.00	0.00	0.06	CO18
		Extremes 208	-0.22	0.01	11.31	0.00	0.00	0.09	
			-0.37	0.00	6.61	0.00	0.00	0.06	
211	DS4	P _x	-0.31	-0.02	7.79	0.00	0.00	-0.21	CO18
			-0.51	-0.03	13.28	0.00	0.00	-0.35	CO17
		P _y	-0.31	-0.02	7.79	0.00	0.00	-0.21	CO18
			-0.51	-0.03	13.28	0.00	0.00	-0.35	CO17
		P _z	-0.51	-0.03	13.28	0.00	0.00	-0.35	CO17
			-0.31	-0.02	7.79	0.00	0.00	-0.21	CO18
		M _k	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO16
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO16
		M _y	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO16
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO16
		M _z	-0.31	-0.02	7.79	0.00	0.00	-0.21	CO18
			-0.51	-0.03	13.28	0.00	0.00	-0.35	CO17
		Extremes 211	-0.31	-0.02	13.28	0.00	0.00	-0.21	
			-0.51	-0.03	7.79	0.00	0.00	-0.35	
214	DS4	P _x	0.01	0.01	-0.05	0.00	0.00	-0.03	CO17
			0.00	0.01	-0.02	0.00	0.00	-0.02	CO18
		P _y	0.01	0.01	-0.05	0.00	0.00	-0.03	CO17
			0.00	0.01	-0.02	0.00	0.00	-0.02	CO18
		P _z	0.01	0.01	-0.02	0.00	0.00	-0.02	CO16
			0.01	0.01	-0.05	0.00	0.00	-0.03	CO17
		M _k	0.01	0.01	-0.02	0.00	0.00	-0.02	CO16
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO16
		M _y	0.01	0.01	-0.02	0.00	0.00	-0.02	CO16
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO16
		M _z	0.00	0.01	-0.02	0.00	0.00	-0.02	CO18
			0.01	0.01	-0.05	0.00	0.00	-0.03	CO17
		Extremes 214	0.01	0.01	-0.02	0.00	0.00	-0.02	
			0.00	0.01	-0.05	0.00	0.00	-0.03	
215	DS4	P _x	0.68	0.11	4.89	0.00	0.00	-0.76	CO17
			0.41	0.08	2.89	0.00	0.00	-0.46	CO18
		P _y	0.68	0.11	4.89	0.00	0.00	-0.76	CO17
			0.41	0.08	2.89	0.00	0.00	-0.46	CO18
		P _z	0.68	0.11	4.89	0.00	0.00	-0.76	CO17
			0.41	0.08	2.89	0.00	0.00	-0.46	CO18
		M _k	0.48	0.08	3.49	0.00	0.00	-0.54	CO16
			0.48	0.08	3.49	0.00	0.00	-0.54	CO16
		M _y	0.48	0.08	3.49	0.00	0.00	-0.54	CO16
			0.48	0.08	3.49	0.00	0.00	-0.54	CO16
		M _z	0.41	0.08	2.89	0.00	0.00	-0.46	CO18
			0.68	0.11	4.89	0.00	0.00	-0.76	CO17
		Extremes 215	0.68	0.11	4.89	0.00	0.00	-0.46	
			0.41	0.08	2.89	0.00	0.00	-0.76	
216	DS4	P _x	0.34	-0.03	9.45	0.00	0.00	0.31	CO17
			0.20	-0.02	5.54	0.00	0.00	0.19	CO18
		P _y	0.20	-0.02	5.54	0.00	0.00	0.19	CO18
			0.34	-0.03	9.45	0.00	0.00	0.31	CO17
		P _z	0.34	-0.03	9.45	0.00	0.00	0.31	CO17
			0.20	-0.02	5.54	0.00	0.00	0.19	CO18
		M _k	0.24	-0.02	6.72	0.00	0.00	0.22	CO16
			0.24	-0.02	6.72	0.00	0.00	0.22	CO16
		M _y	0.24	-0.02	6.72	0.00	0.00	0.22	CO16
			0.24	-0.02	6.72	0.00	0.00	0.22	CO16
		M _z	0.34	-0.03	9.45	0.00	0.00	0.31	CO17
			0.20	-0.02	5.54	0.00	0.00	0.19	CO18
		Extremes 216	0.34	-0.02	9.45	0.00	0.00	0.31	
			0.20	-0.03	5.54	0.00	0.00	0.19	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
219	DS4	P_x	0.43	0.01	12.15	0.00	0.00	-0.10	CO17
			0.26	0.00	7.12	0.00	0.00	-0.06	CO18
		P_y	0.43	0.01	12.15	0.00	0.00	-0.10	CO17
			0.26	0.00	7.12	0.00	0.00	-0.06	CO18
		P_z	0.43	0.01	12.15	0.00	0.00	-0.10	CO17
			0.26	0.00	7.12	0.00	0.00	-0.06	CO18
		M_k	0.30	0.01	8.64	0.00	0.00	-0.07	CO16
			0.30	0.01	8.64	0.00	0.00	-0.07	CO16
		M_y	0.30	0.01	8.64	0.00	0.00	-0.07	CO16
			0.30	0.01	8.64	0.00	0.00	-0.07	CO16
		M_z	0.26	0.00	7.12	0.00	0.00	-0.06	CO18
			0.43	0.01	12.15	0.00	0.00	-0.10	CO17
		Extremes	0.43	0.01	12.15	0.00	0.00	-0.06	
			0.26	0.00	7.12	0.00	0.00	-0.10	
222	DS4	P_x	0.39	0.00	11.60	0.00	0.00	0.03	CO17
			0.23	0.00	6.79	0.00	0.00	0.02	CO18
		P_y	0.23	0.00	6.79	0.00	0.00	0.02	CO18
			0.39	0.00	11.60	0.00	0.00	0.03	CO17
		P_z	0.39	0.00	11.60	0.00	0.00	0.03	CO17
			0.23	0.00	6.79	0.00	0.00	0.02	CO18
		M_k	0.28	0.00	8.25	0.00	0.00	0.02	CO16
			0.28	0.00	8.25	0.00	0.00	0.02	CO16
		M_y	0.28	0.00	8.25	0.00	0.00	0.02	CO16
			0.28	0.00	8.25	0.00	0.00	0.02	CO16
		M_z	0.39	0.00	11.60	0.00	0.00	0.03	CO17
			0.23	0.00	6.79	0.00	0.00	0.02	CO18
		Extremes	0.39	0.00	11.60	0.00	0.00	0.03	
			0.23	0.00	6.79	0.00	0.00	0.02	
225	DS4	P_x	0.40	0.00	11.71	0.00	0.00	-0.01	CO17
			0.24	0.00	6.86	0.00	0.00	-0.01	CO18
		P_y	0.40	0.00	11.71	0.00	0.00	-0.01	CO17
			0.24	0.00	6.86	0.00	0.00	-0.01	CO18
		P_z	0.40	0.00	11.71	0.00	0.00	-0.01	CO17
			0.24	0.00	6.86	0.00	0.00	-0.01	CO18
		M_k	0.28	0.00	8.32	0.00	0.00	-0.01	CO16
			0.28	0.00	8.32	0.00	0.00	-0.01	CO16
		M_y	0.28	0.00	8.32	0.00	0.00	-0.01	CO16
			0.28	0.00	8.32	0.00	0.00	-0.01	CO16
		M_z	0.24	0.00	6.86	0.00	0.00	-0.01	CO18
			0.40	0.00	11.71	0.00	0.00	-0.01	CO17
		Extremes	0.40	0.00	11.71	0.00	0.00	-0.01	
			0.24	0.00	6.86	0.00	0.00	-0.01	
228	DS4	P_x	0.40	0.00	11.80	0.00	0.00	0.02	CO17
			0.24	0.00	6.91	0.00	0.00	0.01	CO18
		P_y	0.24	0.00	6.91	0.00	0.00	0.01	CO18
			0.40	0.00	11.80	0.00	0.00	0.02	CO17
		P_z	0.40	0.00	11.80	0.00	0.00	0.02	CO17
			0.24	0.00	6.91	0.00	0.00	0.01	CO18
		M_k	0.29	0.00	8.39	0.00	0.00	0.02	CO16
			0.29	0.00	8.39	0.00	0.00	0.02	CO16
		M_y	0.29	0.00	8.39	0.00	0.00	0.02	CO16
			0.29	0.00	8.39	0.00	0.00	0.02	CO16
		M_z	0.40	0.00	11.80	0.00	0.00	0.02	CO17
			0.24	0.00	6.91	0.00	0.00	0.01	CO18
		Extremes	0.40	0.00	11.80	0.00	0.00	0.02	
			0.24	0.00	6.91	0.00	0.00	0.01	
231	DS4	P_x	0.37	0.01	11.31	0.00	0.00	-0.09	CO17
			0.22	0.00	6.61	0.00	0.00	-0.06	CO18
		P_y	0.37	0.01	11.31	0.00	0.00	-0.09	CO17
			0.22	0.00	6.61	0.00	0.00	-0.06	CO18
		P_z	0.37	0.01	11.31	0.00	0.00	-0.09	CO17
			0.22	0.00	6.61	0.00	0.00	-0.06	CO18
		M_k	0.26	0.00	8.04	0.00	0.00	-0.06	CO16
			0.26	0.00	8.04	0.00	0.00	-0.06	CO16
		M_y	0.26	0.00	8.04	0.00	0.00	-0.06	CO16
			0.26	0.00	8.04	0.00	0.00	-0.06	CO16
		M_z	0.22	0.00	6.61	0.00	0.00	-0.06	CO18
			0.37	0.01	11.31	0.00	0.00	-0.09	CO17
		Extremes	0.37	0.01	11.31	0.00	0.00	-0.06	
			0.22	0.00	6.61	0.00	0.00	-0.09	
234	DS4	P_x	0.51	-0.03	13.28	0.00	0.00	0.35	CO17
			0.31	-0.02	7.79	0.00	0.00	0.21	CO18

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
234		P_y	0.31	-0.02	7.79	0.00	0.00	0.21	CO18
			0.51	-0.03	13.28	0.00	0.00	0.35	CO17
		P_z	0.51	-0.03	13.28	0.00	0.00	0.35	CO17
			0.31	-0.02	7.79	0.00	0.00	0.21	CO18
		M_k	0.36	-0.02	9.44	0.00	0.00	0.25	CO16
			0.36	-0.02	9.44	0.00	0.00	0.25	CO16
		M_y	0.36	-0.02	9.44	0.00	0.00	0.25	CO16
			0.36	-0.02	9.44	0.00	0.00	0.25	CO16
		M_z	0.51	-0.03	13.28	0.00	0.00	0.35	CO17
			0.31	-0.02	7.79	0.00	0.00	0.21	CO18
		Extremes 234	0.51	-0.02	13.28	0.00	0.00	0.35	
			0.31	-0.03	7.79	0.00	0.00	0.21	
237	DS4	P_x	0.59	0.01	0.25	0.00	0.00	0.01	CO17
			0.35	0.01	0.16	0.00	0.00	0.01	CO18
		P_y	0.59	0.01	0.25	0.00	0.00	0.01	CO17
			0.35	0.01	0.16	0.00	0.00	0.01	CO18
		P_z	0.59	0.01	0.25	0.00	0.00	0.01	CO17
			0.35	0.01	0.16	0.00	0.00	0.01	CO18
		M_k	0.43	0.01	0.19	0.00	0.00	0.01	CO16
			0.43	0.01	0.19	0.00	0.00	0.01	CO16
		M_y	0.43	0.01	0.19	0.00	0.00	0.01	CO16
			0.43	0.01	0.19	0.00	0.00	0.01	CO16
		M_z	0.59	0.01	0.25	0.00	0.00	0.01	CO17
			0.35	0.01	0.16	0.00	0.00	0.01	CO18
238	DS4	P_x	0.06	0.06	2.41	0.00	0.00	0.19	CO18
			0.04	0.07	3.13	0.00	0.00	0.25	CO16
		P_y	0.05	0.10	4.38	0.00	0.00	0.35	CO17
			0.06	0.06	2.41	0.00	0.00	0.19	CO18
		P_z	0.05	0.10	4.38	0.00	0.00	0.35	CO17
			0.06	0.06	2.41	0.00	0.00	0.19	CO18
		M_k	0.04	0.07	3.13	0.00	0.00	0.25	CO16
			0.04	0.07	3.13	0.00	0.00	0.25	CO16
		M_y	0.04	0.07	3.13	0.00	0.00	0.25	CO16
			0.04	0.07	3.13	0.00	0.00	0.25	CO16
		M_z	0.05	0.10	4.38	0.00	0.00	0.35	CO17
			0.06	0.06	2.41	0.00	0.00	0.19	CO18
239	DS4	P_x	1.29	-0.03	8.90	0.00	0.00	-0.15	CO17
			0.73	-0.02	4.86	0.00	0.00	-0.08	CO18
		P_y	0.73	-0.02	4.86	0.00	0.00	-0.08	CO18
			1.29	-0.03	8.90	0.00	0.00	-0.15	CO17
		P_z	1.29	-0.03	8.90	0.00	0.00	-0.15	CO17
			0.73	-0.02	4.86	0.00	0.00	-0.08	CO18
		M_k	0.90	-0.02	6.33	0.00	0.00	-0.10	CO16
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO16
		M_y	0.90	-0.02	6.33	0.00	0.00	-0.10	CO16
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO16
		M_z	0.73	-0.02	4.86	0.00	0.00	-0.08	CO18
			1.29	-0.03	8.90	0.00	0.00	-0.15	CO17
242	DS4	P_x	1.11	0.01	11.43	0.00	0.00	0.05	CO17
			0.64	0.01	6.23	0.00	0.00	0.03	CO18
		P_y	1.11	0.01	11.43	0.00	0.00	0.05	CO17
			0.64	0.01	6.23	0.00	0.00	0.03	CO18
		P_z	1.11	0.01	11.43	0.00	0.00	0.05	CO17
			0.64	0.01	6.23	0.00	0.00	0.03	CO18
		M_k	0.78	0.01	8.12	0.00	0.00	0.04	CO16
			0.78	0.01	8.12	0.00	0.00	0.04	CO16
		M_y	0.78	0.01	8.12	0.00	0.00	0.04	CO16
			0.78	0.01	8.12	0.00	0.00	0.04	CO16
		M_z	1.11	0.01	11.43	0.00	0.00	0.05	CO17
			0.64	0.01	6.23	0.00	0.00	0.03	CO18
245	DS4	P_x	1.16	0.00	11.04	0.00	0.00	-0.01	CO17
			0.67	0.00	6.01	0.00	0.00	-0.01	CO18
		P_y	0.67	0.00	6.01	0.00	0.00	-0.01	CO18
			1.16	0.00	11.04	0.00	0.00	-0.01	CO17

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
245		P_z	1.16	0.00	11.04	0.00	0.00	-0.01	CO17
			0.67	0.00	6.01	0.00	0.00	-0.01	CO18
			0.81	0.00	7.84	0.00	0.00	-0.01	CO16
		M_k	0.81	0.00	7.84	0.00	0.00	-0.01	CO16
			0.81	0.00	7.84	0.00	0.00	-0.01	CO16
			0.81	0.00	7.84	0.00	0.00	-0.01	CO16
		M_y	0.67	0.00	6.01	0.00	0.00	-0.01	CO18
			1.16	0.00	11.04	0.00	0.00	-0.01	CO17
			1.16	0.00	11.04	0.00	0.00	-0.01	CO17
		M_z	0.67	0.00	6.01	0.00	0.00	-0.01	CO18
			1.16	0.00	11.04	0.00	0.00	-0.01	CO17
			0.67	0.00	6.01	0.00	0.00	-0.01	CO18
248	DS4	P_x	1.15	0.00	11.11	0.00	0.00	0.01	CO17
			0.67	0.00	6.05	0.00	0.00	0.00	CO18
			1.15	0.00	11.11	0.00	0.00	0.01	CO17
		P_y	0.67	0.00	6.05	0.00	0.00	0.00	CO18
			1.15	0.00	11.11	0.00	0.00	0.01	CO17
			0.67	0.00	6.05	0.00	0.00	0.00	CO18
		P_z	0.81	0.00	7.89	0.00	0.00	0.00	CO16
			0.81	0.00	7.89	0.00	0.00	0.00	CO16
			0.81	0.00	7.89	0.00	0.00	0.00	CO16
		M_k	0.81	0.00	7.89	0.00	0.00	0.00	CO16
			0.81	0.00	7.89	0.00	0.00	0.00	CO16
			0.81	0.00	7.89	0.00	0.00	0.00	CO16
251	DS4	P_x	1.14	0.00	11.16	0.00	0.00	-0.01	CO17
			0.66	0.00	6.08	0.00	0.00	-0.01	CO18
			1.14	0.00	11.16	0.00	0.00	-0.01	CO17
		P_y	0.66	0.00	6.08	0.00	0.00	-0.01	CO18
			1.14	0.00	11.16	0.00	0.00	-0.01	CO17
			0.66	0.00	6.08	0.00	0.00	-0.01	CO18
		P_z	0.80	0.00	7.93	0.00	0.00	-0.01	CO16
			0.80	0.00	7.93	0.00	0.00	-0.01	CO16
			0.80	0.00	7.93	0.00	0.00	-0.01	CO16
		M_k	0.80	0.00	7.93	0.00	0.00	-0.01	CO16
			0.80	0.00	7.93	0.00	0.00	-0.01	CO16
			0.80	0.00	7.93	0.00	0.00	-0.01	CO16
254	DS4	P_x	1.19	0.01	10.85	0.00	0.00	0.04	CO17
			0.69	0.00	5.91	0.00	0.00	0.02	CO18
			1.19	0.01	10.85	0.00	0.00	0.04	CO17
		P_y	0.69	0.00	5.91	0.00	0.00	0.02	CO18
			1.19	0.01	10.85	0.00	0.00	0.04	CO17
			0.69	0.00	5.91	0.00	0.00	0.02	CO18
		P_z	0.84	0.01	7.71	0.00	0.00	0.03	CO16
			0.84	0.01	7.71	0.00	0.00	0.03	CO16
			0.84	0.01	7.71	0.00	0.00	0.03	CO16
		M_k	0.84	0.01	7.71	0.00	0.00	0.03	CO16
			0.84	0.01	7.71	0.00	0.00	0.03	CO16
			0.84	0.01	7.71	0.00	0.00	0.03	CO16
257	DS4	P_x	1.00	-0.03	12.21	0.00	0.00	-0.18	CO17
			0.58	-0.02	6.66	0.00	0.00	-0.10	CO18
			1.00	-0.03	12.21	0.00	0.00	-0.18	CO17
		P_y	0.58	-0.02	6.66	0.00	0.00	-0.10	CO18
			1.00	-0.03	12.21	0.00	0.00	-0.18	CO17
			0.58	-0.02	6.66	0.00	0.00	-0.10	CO18
		P_z	0.70	-0.02	8.67	0.00	0.00	-0.13	CO16
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO16
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO16
		M_k	0.70	-0.02	8.67	0.00	0.00	-0.13	CO16
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO16
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO16
260	DS4	P_x	-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
			-0.59	0.01	0.25	0.00	0.00	-0.01	CO17
			-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
		P_y	-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
			-0.59	0.01	0.25	0.00	0.00	-0.01	CO17
			-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
		P_z	-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
			-0.59	0.01	0.25	0.00	0.00	-0.01	CO17
			-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
		M_k	-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
			-0.59	0.01	0.25	0.00	0.00	-0.01	CO17
			-0.35	0.01	0.16	0.00	0.00	-0.01	CO18

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
260		M_k	-0.43	0.01	0.19	0.00	0.00	-0.01	CO16
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO16
		M_y	-0.43	0.01	0.19	0.00	0.00	-0.01	CO16
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO16
		M_z	-0.35	0.01	0.16	0.00	0.00	-0.01	CO18
			-0.59	0.01	0.25	0.00	0.00	-0.01	CO17
		Extremes	-0.35	0.01	0.25	0.00	0.00	-0.01	
			-0.59	0.01	0.16	0.00	0.00	-0.01	
261	DS4	P_x	-0.04	0.07	3.13	0.00	0.00	-0.25	CO16
			-0.06	0.06	2.41	0.00	0.00	-0.19	CO18
		P_y	-0.05	0.10	4.38	0.00	0.00	-0.35	CO17
			-0.06	0.06	2.41	0.00	0.00	-0.19	CO18
		P_z	-0.05	0.10	4.38	0.00	0.00	-0.35	CO17
			-0.06	0.06	2.41	0.00	0.00	-0.19	CO18
		M_k	-0.04	0.07	3.13	0.00	0.00	-0.25	CO16
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO16
		M_y	-0.04	0.07	3.13	0.00	0.00	-0.25	CO16
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO16
		M_z	-0.06	0.06	2.41	0.00	0.00	-0.19	CO18
			-0.05	0.10	4.38	0.00	0.00	-0.35	CO17
		Extremes	-0.04	0.10	4.38	0.00	0.00	-0.19	
			-0.06	0.06	2.41	0.00	0.00	-0.35	
262	DS4	P_x	-0.73	-0.02	4.86	0.00	0.00	0.08	CO18
			-1.29	-0.03	8.90	0.00	0.00	0.15	CO17
		P_y	-0.73	-0.02	4.86	0.00	0.00	0.08	CO18
			-1.29	-0.03	8.90	0.00	0.00	0.15	CO17
		P_z	-1.29	-0.03	8.90	0.00	0.00	0.15	CO17
			-0.73	-0.02	4.86	0.00	0.00	0.08	CO18
		M_k	-0.90	-0.02	6.33	0.00	0.00	0.10	CO16
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO16
		M_y	-0.90	-0.02	6.33	0.00	0.00	0.10	CO16
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO16
		M_z	-1.29	-0.03	8.90	0.00	0.00	0.15	CO17
			-0.73	-0.02	4.86	0.00	0.00	0.08	CO18
		Extremes	-0.73	-0.02	8.90	0.00	0.00	0.15	
			-1.29	-0.03	4.86	0.00	0.00	0.08	
265	DS4	P_x	-0.64	0.00	6.23	0.00	0.00	-0.03	CO18
			-1.11	0.01	11.43	0.00	0.00	-0.05	CO17
		P_y	-1.11	0.01	11.43	0.00	0.00	-0.05	CO17
			-0.64	0.00	6.23	0.00	0.00	-0.03	CO18
		P_z	-1.11	0.01	11.43	0.00	0.00	-0.05	CO17
			-0.64	0.00	6.23	0.00	0.00	-0.03	CO18
		M_k	-0.78	0.01	8.12	0.00	0.00	-0.04	CO16
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO16
		M_y	-0.78	0.01	8.12	0.00	0.00	-0.04	CO16
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO16
		M_z	-0.64	0.00	6.23	0.00	0.00	-0.03	CO18
			-1.11	0.01	11.43	0.00	0.00	-0.05	CO17
		Extremes	-0.64	0.01	11.43	0.00	0.00	-0.03	
			-1.11	0.00	6.23	0.00	0.00	-0.05	
268	DS4	P_x	-0.67	0.00	6.01	0.00	0.00	0.01	CO18
			-1.16	0.00	11.03	0.00	0.00	0.01	CO17
		P_y	-0.67	0.00	6.01	0.00	0.00	0.01	CO18
			-1.16	0.00	11.03	0.00	0.00	0.01	CO17
		P_z	-1.16	0.00	11.03	0.00	0.00	0.01	CO17
			-0.67	0.00	6.01	0.00	0.00	0.01	CO18
		M_k	-0.81	0.00	7.84	0.00	0.00	0.01	CO16
			-0.81	0.00	7.84	0.00	0.00	0.01	CO16
		M_y	-0.81	0.00	7.84	0.00	0.00	0.01	CO16
			-0.81	0.00	7.84	0.00	0.00	0.01	CO16
		M_z	-1.16	0.00	11.03	0.00	0.00	0.01	CO17
			-0.67	0.00	6.01	0.00	0.00	0.01	CO18
		Extremes	-0.67	0.00	11.03	0.00	0.00	0.01	
			-1.16	0.00	6.01	0.00	0.00	0.01	
271	DS4	P_x	-0.67	0.00	6.05	0.00	0.00	0.00	CO18
			-1.15	0.00	11.11	0.00	0.00	-0.01	CO17
		P_y	-1.15	0.00	11.11	0.00	0.00	-0.01	CO17
			-0.67	0.00	6.05	0.00	0.00	0.00	CO18
		P_z	-1.15	0.00	11.11	0.00	0.00	-0.01	CO17
			-0.67	0.00	6.05	0.00	0.00	0.00	CO18
		M_k	-0.81	0.00	7.89	0.00	0.00	0.00	CO16
			-0.81	0.00	7.89	0.00	0.00	0.00	CO16

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
271	Extremes 271	M _y	-0.81	0.00	7.89	0.00	0.00	0.00	CO16
			-0.81	0.00	7.89	0.00	0.00	0.00	CO16
		M _z	-0.67	0.00	6.05	0.00	0.00	0.00	CO18
			-1.15	0.00	11.11	0.00	0.00	-0.01	CO17
			-0.67	0.00	11.11	0.00	0.00	0.00	
			-1.15	0.00	6.05	0.00	0.00	-0.01	
274	DS4	P _x	-0.66	0.00	6.08	0.00	0.00	0.01	CO18
			-1.14	0.00	11.16	0.00	0.00	0.01	CO17
		P _y	-0.66	0.00	6.08	0.00	0.00	0.01	CO18
			-1.14	0.00	11.16	0.00	0.00	0.01	CO17
		P _z	-1.14	0.00	11.16	0.00	0.00	0.01	CO17
			-0.66	0.00	6.08	0.00	0.00	0.01	CO18
		M _x	-0.80	0.00	7.93	0.00	0.00	0.01	CO16
			-0.80	0.00	7.93	0.00	0.00	0.01	CO16
		M _y	-0.80	0.00	7.93	0.00	0.00	0.01	CO16
			-0.80	0.00	7.93	0.00	0.00	0.01	CO16
		M _z	-1.14	0.00	11.16	0.00	0.00	0.01	CO17
			-0.66	0.00	6.08	0.00	0.00	0.01	CO18
		Extremes 274	-0.66	0.00	11.16	0.00	0.00	0.01	
			-1.14	0.00	6.08	0.00	0.00	0.01	
277	DS4	P _x	-0.69	0.00	5.91	0.00	0.00	-0.02	CO18
			-1.19	0.01	10.85	0.00	0.00	-0.04	CO17
		P _y	-1.19	0.01	10.85	0.00	0.00	-0.04	CO17
			-0.69	0.00	5.91	0.00	0.00	-0.02	CO18
		P _z	-1.19	0.01	10.85	0.00	0.00	-0.04	CO17
			-0.69	0.00	5.91	0.00	0.00	-0.02	CO18
		M _x	-0.84	0.01	7.71	0.00	0.00	-0.03	CO16
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO16
		M _y	-0.84	0.01	7.71	0.00	0.00	-0.03	CO16
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO16
		M _z	-0.69	0.00	5.91	0.00	0.00	-0.02	CO18
			-1.19	0.01	10.85	0.00	0.00	-0.04	CO17
		Extremes 277	-0.69	0.01	10.85	0.00	0.00	-0.02	
			-1.19	0.00	5.91	0.00	0.00	-0.04	
280	DS4	P _x	-0.58	-0.02	6.66	0.00	0.00	0.10	CO18
			-1.00	-0.03	12.21	0.00	0.00	0.18	CO17
		P _y	-0.58	-0.02	6.66	0.00	0.00	0.10	CO18
			-1.00	-0.03	12.21	0.00	0.00	0.18	CO17
		P _z	-1.00	-0.03	12.21	0.00	0.00	0.18	CO17
			-0.58	-0.02	6.66	0.00	0.00	0.10	CO18
		M _x	-0.70	-0.02	8.67	0.00	0.00	0.13	CO16
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO16
		M _y	-0.70	-0.02	8.67	0.00	0.00	0.13	CO16
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO16
		M _z	-1.00	-0.03	12.21	0.00	0.00	0.18	CO17
			-0.58	-0.02	6.66	0.00	0.00	0.10	CO18
		Extremes 280	-0.58	-0.02	12.21	0.00	0.00	0.18	
			-1.00	-0.03	6.66	0.00	0.00	0.10	
283	DS4	P _x	0.00	-0.06	-0.02	0.00	0.00	-0.03	CO18
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO16
		P _y	0.00	-0.06	-0.02	0.00	0.00	-0.03	CO18
			0.00	-0.10	-0.04	0.00	0.00	-0.04	CO17
		P _z	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO16
			0.00	-0.10	-0.04	0.00	0.00	-0.04	CO17
		M _x	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO16
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO16
		M _y	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO16
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO16
		M _z	0.00	-0.06	-0.02	0.00	0.00	-0.03	CO18
			0.00	-0.10	-0.04	0.00	0.00	-0.04	CO17
		Extremes 283	0.00	-0.06	-0.01	0.00	0.00	-0.03	
			0.00	-0.10	-0.04	0.00	0.00	-0.04	
285	DS4	P _x	-0.07	0.01	5.87	0.00	0.00	-0.20	CO18
			-0.15	0.02	9.91	0.00	0.00	-0.33	CO17
		P _y	-0.15	0.02	9.91	0.00	0.00	-0.33	CO17
			-0.07	0.01	5.87	0.00	0.00	-0.20	CO18
		P _z	-0.15	0.02	9.91	0.00	0.00	-0.33	CO17
			-0.07	0.01	5.87	0.00	0.00	-0.20	CO18
		M _x	-0.11	0.01	7.04	0.00	0.00	-0.24	CO16
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO16
		M _y	-0.11	0.01	7.04	0.00	0.00	-0.24	CO16
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO16
		Extremes 285	-0.11	0.01	7.04	0.00	0.00	-0.24	
			-0.11	0.01	7.04	0.00	0.00	-0.24	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
285		M _z	-0.07	0.01	5.87	0.00	0.00	-0.20	CO18
			-0.15	0.02	9.91	0.00	0.00	-0.33	CO17
			-0.07	0.02	9.91	0.00	0.00	-0.20	
			-0.15	0.01	5.87	0.00	0.00	-0.33	
288	DS4	P _x	-0.30	0.00	6.75	0.00	0.00	0.05	CO18
			-0.53	0.00	11.51	0.00	0.00	0.09	CO17
		P _y	-0.53	0.00	11.51	0.00	0.00	0.09	CO17
			-0.30	0.00	6.75	0.00	0.00	0.05	CO18
		P _z	-0.53	0.00	11.51	0.00	0.00	0.09	CO17
			-0.30	0.00	6.75	0.00	0.00	0.05	CO18
		M _k	-0.37	0.00	8.18	0.00	0.00	0.06	CO16
			-0.37	0.00	8.18	0.00	0.00	0.06	CO16
		M _y	-0.37	0.00	8.18	0.00	0.00	0.06	CO16
			-0.37	0.00	8.18	0.00	0.00	0.06	CO16
		M _z	-0.53	0.00	11.51	0.00	0.00	0.09	CO17
			-0.30	0.00	6.75	0.00	0.00	0.05	CO18
		Extremes	-0.30	0.00	11.51	0.00	0.00	0.09	
			-0.53	0.00	6.75	0.00	0.00	0.05	
291	DS4	P _x	-0.27	0.00	6.67	0.00	0.00	-0.03	CO18
			-0.47	0.00	11.38	0.00	0.00	-0.06	CO17
		P _y	-0.47	0.00	11.38	0.00	0.00	-0.06	CO17
			-0.27	0.00	6.67	0.00	0.00	-0.03	CO18
		P _z	-0.47	0.00	11.38	0.00	0.00	-0.06	CO17
			-0.27	0.00	6.67	0.00	0.00	-0.03	CO18
		M _k	-0.34	0.00	8.09	0.00	0.00	-0.04	CO16
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO16
		M _y	-0.34	0.00	8.09	0.00	0.00	-0.04	CO16
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO16
		M _z	-0.27	0.00	6.67	0.00	0.00	-0.03	CO18
			-0.47	0.00	11.38	0.00	0.00	-0.06	CO17
		Extremes	-0.27	0.00	11.38	0.00	0.00	-0.03	
			-0.47	0.00	6.67	0.00	0.00	-0.06	
294	DS4	P _x	-0.24	0.00	6.27	0.00	0.00	0.09	CO18
			-0.43	-0.01	10.67	0.00	0.00	0.15	CO17
		P _y	-0.24	0.00	6.27	0.00	0.00	0.09	CO18
			-0.43	-0.01	10.67	0.00	0.00	0.15	CO17
		P _z	-0.43	-0.01	10.67	0.00	0.00	0.15	CO17
			-0.24	0.00	6.27	0.00	0.00	0.09	CO18
		M _k	-0.30	0.00	7.59	0.00	0.00	0.11	CO16
			-0.30	0.00	7.59	0.00	0.00	0.11	CO16
		M _y	-0.30	0.00	7.59	0.00	0.00	0.11	CO16
			-0.30	0.00	7.59	0.00	0.00	0.11	CO16
		M _z	-0.43	-0.01	10.67	0.00	0.00	0.15	CO17
			-0.24	0.00	6.27	0.00	0.00	0.09	CO18
		Extremes	-0.24	0.00	10.67	0.00	0.00	0.15	
			-0.43	-0.01	6.27	0.00	0.00	0.09	
297	DS4	P _x	-0.35	0.01	7.86	0.00	0.00	-0.39	CO18
			-0.61	0.01	13.44	0.00	0.00	-0.67	CO17
		P _y	-0.61	0.01	13.44	0.00	0.00	-0.67	CO17
			-0.35	0.01	7.86	0.00	0.00	-0.39	CO18
		P _z	-0.61	0.01	13.44	0.00	0.00	-0.67	CO17
			-0.35	0.01	7.86	0.00	0.00	-0.39	CO18
		M _k	-0.44	0.01	9.55	0.00	0.00	-0.48	CO16
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO16
		M _y	-0.44	0.01	9.55	0.00	0.00	-0.48	CO16
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO16
		M _z	-0.35	0.01	7.86	0.00	0.00	-0.39	CO18
			-0.61	0.01	13.44	0.00	0.00	-0.67	CO17
		Extremes	-0.35	0.01	13.44	0.00	0.00	-0.39	
			-0.61	0.01	7.86	0.00	0.00	-0.67	
301	DS4	P _x	-0.14	0.04	6.62	0.00	0.00	0.77	CO18
			-0.26	0.06	11.19	0.00	0.00	1.34	CO17
		P _y	-0.26	0.06	11.19	0.00	0.00	1.34	CO17
			-0.14	0.04	6.62	0.00	0.00	0.77	CO18
		P _z	-0.26	0.06	11.19	0.00	0.00	1.34	CO17
			-0.14	0.04	6.62	0.00	0.00	0.77	CO18
		M _k	-0.19	0.04	7.97	0.00	0.00	0.94	CO16
			-0.19	0.04	7.97	0.00	0.00	0.94	CO16
		M _y	-0.19	0.04	7.97	0.00	0.00	0.94	CO16
			-0.19	0.04	7.97	0.00	0.00	0.94	CO16
		M _z	-0.26	0.06	11.19	0.00	0.00	1.34	CO17
			-0.14	0.04	6.62	0.00	0.00	0.77	CO18

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 301			-0.14 -0.26	0.06 0.04	11.19 6.62	0.00 0.00	0.00 0.00	1.34 0.77	
326	DS4	P _x	0.01	-0.01	0.23	0.00	0.00	-0.03	CO17
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO16
		P _y	0.01	-0.01	0.18	0.00	0.00	-0.02	CO18
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO17
		P _z	0.01	-0.01	0.23	0.00	0.00	-0.03	CO17
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO16
		M _k	0.00	-0.01	0.17	0.00	0.00	-0.02	CO16
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO16
		M _y	0.00	-0.01	0.17	0.00	0.00	-0.02	CO16
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO16
		M _z	0.01	-0.01	0.18	0.00	0.00	-0.02	CO18
			0.01	-0.01	0.23	0.00	0.00	-0.03	CO17
			0.01	-0.01	0.23	0.00	0.00	-0.02	
			0.00	-0.01	0.17	0.00	0.00	-0.03	
Extremes 326									
327	DS4	P _x	0.34	0.04	7.14	0.00	0.00	0.30	CO17
			0.22	0.03	4.64	0.00	0.00	0.19	CO18
		P _y	0.34	0.04	7.14	0.00	0.00	0.30	CO17
			0.22	0.03	4.64	0.00	0.00	0.19	CO18
		P _z	0.34	0.04	7.14	0.00	0.00	0.30	CO17
			0.22	0.03	4.64	0.00	0.00	0.19	CO18
		M _k	0.24	0.03	5.07	0.00	0.00	0.21	CO16
			0.24	0.03	5.07	0.00	0.00	0.21	CO16
		M _y	0.24	0.03	5.07	0.00	0.00	0.21	CO16
			0.24	0.03	5.07	0.00	0.00	0.21	CO16
		M _z	0.34	0.04	7.14	0.00	0.00	0.30	CO17
			0.22	0.03	4.64	0.00	0.00	0.19	CO18
			0.34	0.04	7.14	0.00	0.00	0.30	
			0.22	0.03	4.64	0.00	0.00	0.19	
Extremes 327									
330	DS4	P _x	0.47	-0.01	9.16	0.00	0.00	-0.06	CO17
			0.31	-0.01	5.95	0.00	0.00	-0.04	CO18
		P _y	0.31	-0.01	5.95	0.00	0.00	-0.04	CO18
			0.47	-0.01	9.16	0.00	0.00	-0.06	CO17
		P _z	0.47	-0.01	9.16	0.00	0.00	-0.06	CO17
			0.31	-0.01	5.95	0.00	0.00	-0.04	CO18
		M _k	0.33	-0.01	6.50	0.00	0.00	-0.05	CO16
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO16
		M _y	0.33	-0.01	6.50	0.00	0.00	-0.05	CO16
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO16
		M _z	0.31	-0.01	5.95	0.00	0.00	-0.04	CO18
			0.47	-0.01	9.16	0.00	0.00	-0.06	CO17
			0.47	-0.01	9.16	0.00	0.00	-0.04	
			0.31	-0.01	5.95	0.00	0.00	-0.06	
Extremes 330									
333	DS4	P _x	0.45	0.00	8.88	0.00	0.00	0.02	CO17
			0.30	0.00	5.77	0.00	0.00	0.01	CO18
		P _y	0.45	0.00	8.88	0.00	0.00	0.02	CO17
			0.30	0.00	5.77	0.00	0.00	0.01	CO18
		P _z	0.45	0.00	8.88	0.00	0.00	0.02	CO17
			0.30	0.00	5.77	0.00	0.00	0.01	CO18
		M _k	0.32	0.00	6.30	0.00	0.00	0.01	CO16
			0.32	0.00	6.30	0.00	0.00	0.01	CO16
		M _y	0.32	0.00	6.30	0.00	0.00	0.01	CO16
			0.32	0.00	6.30	0.00	0.00	0.01	CO16
		M _z	0.45	0.00	8.88	0.00	0.00	0.02	CO17
			0.30	0.00	5.77	0.00	0.00	0.01	CO18
			0.45	0.00	8.88	0.00	0.00	0.02	
			0.30	0.00	5.77	0.00	0.00	0.01	
Extremes 333									
336	DS4	P _x	0.45	0.00	8.93	0.00	0.00	-0.01	CO17
			0.30	0.00	5.80	0.00	0.00	0.00	CO18
		P _y	0.30	0.00	5.80	0.00	0.00	0.00	CO18
			0.45	0.00	8.93	0.00	0.00	-0.01	CO17
		P _z	0.45	0.00	8.93	0.00	0.00	-0.01	CO17
			0.30	0.00	5.80	0.00	0.00	0.00	CO18
		M _k	0.32	0.00	6.34	0.00	0.00	0.00	CO16
			0.32	0.00	6.34	0.00	0.00	0.00	CO16
		M _y	0.32	0.00	6.34	0.00	0.00	0.00	CO16
			0.32	0.00	6.34	0.00	0.00	0.00	CO16
		M _z	0.30	0.00	5.80	0.00	0.00	0.00	CO18
			0.45	0.00	8.93	0.00	0.00	-0.01	CO17
			0.45	0.00	8.93	0.00	0.00	0.00	
			0.30	0.00	5.80	0.00	0.00	-0.01	
Extremes 336									

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
339	DS4	P_x	0.46	0.00	8.96	0.00	0.00	0.01	CO17
			0.30	0.00	5.83	0.00	0.00	0.01	CO18
		P_y	0.46	0.00	8.96	0.00	0.00	0.01	CO17
			0.30	0.00	5.83	0.00	0.00	0.01	CO18
		P_z	0.46	0.00	8.96	0.00	0.00	0.01	CO17
			0.30	0.00	5.83	0.00	0.00	0.01	CO18
		M_k	0.32	0.00	6.36	0.00	0.00	0.01	CO16
			0.32	0.00	6.36	0.00	0.00	0.01	CO16
		M_y	0.32	0.00	6.36	0.00	0.00	0.01	CO16
			0.32	0.00	6.36	0.00	0.00	0.01	CO16
		M_z	0.46	0.00	8.96	0.00	0.00	0.01	CO17
			0.30	0.00	5.83	0.00	0.00	0.01	CO18
		Extremes	0.46	0.00	8.96	0.00	0.00	0.01	
			0.30	0.00	5.83	0.00	0.00	0.01	
342	DS4	P_x	0.44	-0.01	8.75	0.00	0.00	-0.05	CO17
			0.29	-0.01	5.70	0.00	0.00	-0.03	CO18
		P_y	0.29	-0.01	5.70	0.00	0.00	-0.03	CO18
			0.44	-0.01	8.75	0.00	0.00	-0.05	CO17
		P_z	0.44	-0.01	8.75	0.00	0.00	-0.05	CO17
			0.29	-0.01	5.70	0.00	0.00	-0.03	CO18
		M_k	0.31	-0.01	6.21	0.00	0.00	-0.04	CO16
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO16
		M_y	0.31	-0.01	6.21	0.00	0.00	-0.04	CO16
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO16
		M_z	0.29	-0.01	5.70	0.00	0.00	-0.03	CO18
			0.44	-0.01	8.75	0.00	0.00	-0.05	CO17
		Extremes	0.44	-0.01	8.75	0.00	0.00	-0.03	
			0.29	-0.01	5.70	0.00	0.00	-0.05	
345	DS4	P_x	0.51	0.04	9.71	0.00	0.00	0.22	CO17
			0.34	0.03	6.30	0.00	0.00	0.14	CO18
		P_y	0.51	0.04	9.71	0.00	0.00	0.22	CO17
			0.34	0.03	6.30	0.00	0.00	0.14	CO18
		P_z	0.51	0.04	9.71	0.00	0.00	0.22	CO17
			0.34	0.03	6.30	0.00	0.00	0.14	CO18
		M_k	0.36	0.03	6.89	0.00	0.00	0.16	CO16
			0.36	0.03	6.89	0.00	0.00	0.16	CO16
		M_y	0.36	0.03	6.89	0.00	0.00	0.16	CO16
			0.36	0.03	6.89	0.00	0.00	0.16	CO16
		M_z	0.51	0.04	9.71	0.00	0.00	0.22	CO17
			0.34	0.03	6.30	0.00	0.00	0.14	CO18
		Extremes	0.51	0.04	9.71	0.00	0.00	0.22	
			0.34	0.03	6.30	0.00	0.00	0.14	
348	DS4	P_x	0.58	-0.15	3.45	0.00	0.00	-0.66	CO17
			0.38	-0.09	2.25	0.00	0.00	-0.42	CO18
		P_y	0.38	-0.09	2.25	0.00	0.00	-0.42	CO18
			0.58	-0.15	3.45	0.00	0.00	-0.66	CO17
		P_z	0.58	-0.15	3.45	0.00	0.00	-0.66	CO17
			0.38	-0.09	2.25	0.00	0.00	-0.42	CO18
		M_k	0.41	-0.11	2.46	0.00	0.00	-0.47	CO16
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO16
		M_y	0.41	-0.11	2.46	0.00	0.00	-0.47	CO16
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO16
		M_z	0.38	-0.09	2.25	0.00	0.00	-0.42	CO18
			0.58	-0.15	3.45	0.00	0.00	-0.66	CO17
		Extremes	0.58	-0.09	3.45	0.00	0.00	-0.42	
			0.38	-0.15	2.25	0.00	0.00	-0.66	
349	DS4	P_x	-0.34	0.00	2.24	0.00	0.00	0.46	CO18
			-0.51	-0.01	3.42	0.00	0.00	0.71	CO17
		P_y	-0.34	0.00	2.24	0.00	0.00	0.46	CO18
			-0.51	-0.01	3.42	0.00	0.00	0.71	CO17
		P_z	-0.51	-0.01	3.42	0.00	0.00	0.71	CO17
			-0.34	0.00	2.24	0.00	0.00	0.46	CO18
		M_k	-0.36	0.00	2.44	0.00	0.00	0.50	CO16
			-0.36	0.00	2.44	0.00	0.00	0.50	CO16
		M_y	-0.36	0.00	2.44	0.00	0.00	0.50	CO16
			-0.36	0.00	2.44	0.00	0.00	0.50	CO16
		M_z	-0.51	-0.01	3.42	0.00	0.00	0.71	CO17
			-0.34	0.00	2.24	0.00	0.00	0.46	CO18
		Extremes	-0.34	0.00	2.24	0.00	0.00	0.71	
			-0.51	-0.01	3.42	0.00	0.00	0.46	
350	DS4	P_x	-0.19	-0.01	4.60	0.00	0.00	-0.19	CO18
			-0.28	-0.01	7.07	0.00	0.00	-0.30	CO17

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
350		P_y	-0.20	0.00	5.02	0.00	0.00	-0.21	CO16
			-0.28	-0.01	7.07	0.00	0.00	-0.30	CO17
			-0.19	-0.01	4.60	0.00	0.00	-0.19	CO18
		P_z	-0.20	0.00	5.02	0.00	0.00	-0.21	CO16
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO16
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO16
		M_k	-0.20	0.00	5.02	0.00	0.00	-0.21	CO16
			-0.19	-0.01	4.60	0.00	0.00	-0.19	CO18
			-0.28	-0.01	7.07	0.00	0.00	-0.30	CO17
		M_y	-0.19	0.00	7.07	0.00	0.00	-0.19	
			-0.28	-0.01	7.07	0.00	0.00	-0.30	
			-0.19	0.00	7.07	0.00	0.00	-0.19	
Extremes 350			-0.28	-0.01	4.60	0.00	0.00	-0.30	
353	DS4	P_x	-0.25	0.00	5.90	0.00	0.00	0.04	CO18
			-0.37	0.00	9.06	0.00	0.00	0.07	CO17
			-0.37	0.00	9.06	0.00	0.00	0.07	CO17
		P_y	-0.26	0.00	6.43	0.00	0.00	0.05	CO16
			-0.37	0.00	9.06	0.00	0.00	0.07	CO17
			-0.25	0.00	5.90	0.00	0.00	0.04	CO18
		P_z	-0.26	0.00	6.43	0.00	0.00	0.05	CO16
			-0.37	0.00	9.06	0.00	0.00	0.07	CO17
			-0.25	0.00	5.90	0.00	0.00	0.04	CO18
		M_k	-0.26	0.00	6.43	0.00	0.00	0.05	CO16
			-0.26	0.00	6.43	0.00	0.00	0.05	CO16
			-0.26	0.00	6.43	0.00	0.00	0.05	CO16
356	DS4	P_x	-0.24	0.00	5.72	0.00	0.00	-0.01	CO18
			-0.35	0.00	8.78	0.00	0.00	-0.02	CO17
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO16
		P_y	-0.24	0.00	5.72	0.00	0.00	-0.01	CO18
			-0.35	0.00	8.78	0.00	0.00	-0.02	CO17
			-0.24	0.00	5.72	0.00	0.00	-0.01	CO18
		P_z	-0.25	0.00	6.23	0.00	0.00	-0.01	CO16
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO16
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO16
		M_k	-0.24	0.00	5.72	0.00	0.00	-0.01	CO18
			-0.35	0.00	8.78	0.00	0.00	-0.02	CO17
			-0.24	0.00	5.72	0.00	0.00	-0.01	CO18
Extremes 356			-0.35	0.00	5.72	0.00	0.00	-0.02	
359	DS4	P_x	-0.24	0.00	5.75	0.00	0.00	0.00	CO18
			-0.35	0.00	8.83	0.00	0.00	0.01	CO17
			-0.24	0.00	5.75	0.00	0.00	0.00	CO18
		P_y	-0.35	0.00	8.83	0.00	0.00	0.01	CO17
			-0.35	0.00	8.83	0.00	0.00	0.01	CO17
			-0.24	0.00	5.75	0.00	0.00	0.00	CO18
		P_z	-0.25	0.00	6.27	0.00	0.00	0.00	CO16
			-0.25	0.00	6.27	0.00	0.00	0.00	CO16
			-0.25	0.00	6.27	0.00	0.00	0.00	CO16
		M_k	-0.25	0.00	6.27	0.00	0.00	0.00	CO16
			-0.35	0.00	8.83	0.00	0.00	0.01	CO17
			-0.24	0.00	5.75	0.00	0.00	0.00	CO18
Extremes 359			-0.24	0.00	8.83	0.00	0.00	0.01	
362	DS4	P_x	-0.24	0.00	5.78	0.00	0.00	-0.01	CO18
			-0.36	0.00	8.87	0.00	0.00	-0.01	CO17
			-0.24	0.00	5.78	0.00	0.00	-0.01	CO18
		P_y	-0.36	0.00	8.87	0.00	0.00	-0.01	CO17
			-0.36	0.00	8.87	0.00	0.00	-0.01	CO17
			-0.24	0.00	5.78	0.00	0.00	-0.01	CO18
		P_z	-0.25	0.00	6.30	0.00	0.00	-0.01	CO16
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO16
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO16
		M_k	-0.24	0.00	5.78	0.00	0.00	-0.01	CO18
			-0.36	0.00	8.87	0.00	0.00	-0.01	CO17
			-0.24	0.00	5.78	0.00	0.00	-0.01	CO18
Extremes 362			-0.36	0.00	5.78	0.00	0.00	-0.01	
365	DS4	P_x	-0.24	0.00	5.64	0.00	0.00	0.03	CO18
			-0.34	0.00	8.65	0.00	0.00	0.05	CO17
		P_y	-0.24	0.00	5.64	0.00	0.00	0.03	CO18
			-0.24	0.00	6.14	0.00	0.00	0.04	CO16

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
365		P_z	-0.34	0.00	8.65	0.00	0.00	0.05	CO17
			-0.24	0.00	5.64	0.00	0.00	0.03	CO18
		M_k	-0.24	0.00	6.14	0.00	0.00	0.04	CO16
			-0.24	0.00	6.14	0.00	0.00	0.04	CO16
		M_y	-0.24	0.00	6.14	0.00	0.00	0.04	CO16
			-0.24	0.00	6.14	0.00	0.00	0.04	CO16
		M_z	-0.34	0.00	8.65	0.00	0.00	0.05	CO17
			-0.24	0.00	5.64	0.00	0.00	0.03	CO18
		Extremes	-0.24	0.00	8.65	0.00	0.00	0.05	
			-0.34	0.00	5.64	0.00	0.00	0.03	
368	SIF DS4	P_x	-0.27	0.00	6.25	0.00	0.00	-0.14	CO18
			-0.40	0.00	9.62	0.00	0.00	-0.23	CO17
		P_y	-0.28	0.00	6.83	0.00	0.00	-0.16	CO16
			-0.40	0.00	9.62	0.00	0.00	-0.23	CO17
		P_z	-0.40	0.00	9.62	0.00	0.00	-0.23	CO17
			-0.27	0.00	6.25	0.00	0.00	-0.14	CO18
		M_k	-0.28	0.00	6.83	0.00	0.00	-0.16	CO16
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO16
		M_y	-0.28	0.00	6.83	0.00	0.00	-0.16	CO16
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO16
372	SIF DS4	P_x	0.00	0.00	0.17	0.00	0.00	0.02	CO16
			0.00	0.00	0.17	0.00	0.00	0.02	CO18
		P_y	0.00	0.00	0.17	0.00	0.00	0.02	CO18
			0.00	0.00	0.22	0.00	0.00	0.04	CO17
		P_z	0.00	0.00	0.22	0.00	0.00	0.04	CO17
			0.00	0.00	0.17	0.00	0.00	0.02	CO16
		M_k	0.00	0.00	0.17	0.00	0.00	0.02	CO16
			0.00	0.00	0.17	0.00	0.00	0.02	CO16
		M_y	0.00	0.00	0.17	0.00	0.00	0.02	CO16
			0.00	0.00	0.17	0.00	0.00	0.02	CO16
373	SIF DS4	P_x	0.51	-0.01	3.42	0.00	0.00	-0.70	CO17
			0.34	0.00	2.24	0.00	0.00	-0.45	CO18
		P_y	0.34	0.00	2.24	0.00	0.00	-0.45	CO18
			0.51	-0.01	3.42	0.00	0.00	-0.70	CO17
		P_z	0.51	-0.01	3.42	0.00	0.00	-0.70	CO17
			0.34	0.00	2.24	0.00	0.00	-0.45	CO18
		M_k	0.36	-0.01	2.44	0.00	0.00	-0.50	CO16
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO16
		M_y	0.36	-0.01	2.44	0.00	0.00	-0.50	CO16
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO16
374	SIF DS4	P_x	0.28	0.00	7.07	0.00	0.00	0.29	CO17
			0.19	0.00	4.60	0.00	0.00	0.19	CO18
		P_y	0.28	0.00	7.07	0.00	0.00	0.29	CO17
			0.19	0.00	4.60	0.00	0.00	0.19	CO18
		P_z	0.28	0.00	7.07	0.00	0.00	0.29	CO17
			0.19	0.00	4.60	0.00	0.00	0.19	CO18
		M_k	0.20	0.00	5.02	0.00	0.00	0.21	CO16
			0.20	0.00	5.02	0.00	0.00	0.21	CO16
		M_y	0.20	0.00	5.02	0.00	0.00	0.21	CO16
			0.20	0.00	5.02	0.00	0.00	0.21	CO16
377	SIF DS4	P_x	0.37	-0.04	9.06	0.00	0.00	-0.04	CO17
			0.25	-0.03	5.90	0.00	0.00	-0.02	CO18
		P_y	0.25	-0.03	5.90	0.00	0.00	-0.02	CO18
			0.37	-0.04	9.06	0.00	0.00	-0.04	CO17
		P_z	0.37	-0.04	9.06	0.00	0.00	-0.04	CO17
			0.25	-0.03	5.90	0.00	0.00	-0.02	CO18

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
377		M_k	0.26	-0.03	6.43	0.00	0.00	-0.03	CO16
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO16
		M_y	0.26	-0.03	6.43	0.00	0.00	-0.03	CO16
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO16
		M_z	0.25	-0.03	5.90	0.00	0.00	-0.02	CO18
			0.37	-0.04	9.06	0.00	0.00	-0.04	CO17
			0.37	-0.03	9.06	0.00	0.00	-0.02	
			0.25	-0.04	5.90	0.00	0.00	-0.04	
380	DS4	P_x	0.35	0.01	8.78	0.00	0.00	0.01	CO17
			0.24	0.01	5.72	0.00	0.00	0.01	CO18
		P_y	0.35	0.01	8.78	0.00	0.00	0.01	CO17
			0.24	0.01	5.72	0.00	0.00	0.01	CO18
		P_z	0.35	0.01	8.78	0.00	0.00	0.01	CO17
			0.24	0.01	5.72	0.00	0.00	0.01	CO18
		M_k	0.25	0.01	6.23	0.00	0.00	0.01	CO16
			0.25	0.01	6.23	0.00	0.00	0.01	CO16
		M_y	0.25	0.01	6.23	0.00	0.00	0.01	CO16
			0.25	0.01	6.23	0.00	0.00	0.01	CO16
		M_z	0.35	0.01	8.78	0.00	0.00	0.01	CO17
			0.24	0.01	5.72	0.00	0.00	0.01	CO18
			0.35	0.01	8.78	0.00	0.00	0.01	
			0.24	0.01	5.72	0.00	0.00	0.01	
383	DS4	P_x	0.35	0.00	8.83	0.00	0.00	-0.01	CO17
			0.24	0.00	5.75	0.00	0.00	0.00	CO18
		P_y	0.24	0.00	5.75	0.00	0.00	0.00	CO18
			0.35	0.00	8.83	0.00	0.00	-0.01	CO17
		P_z	0.35	0.00	8.83	0.00	0.00	-0.01	CO17
			0.24	0.00	5.75	0.00	0.00	0.00	CO18
		M_k	0.25	0.00	6.27	0.00	0.00	0.00	CO16
			0.25	0.00	6.27	0.00	0.00	0.00	CO16
		M_y	0.25	0.00	6.27	0.00	0.00	0.00	CO16
			0.25	0.00	6.27	0.00	0.00	0.00	CO16
		M_z	0.24	0.00	5.75	0.00	0.00	0.00	CO18
			0.35	0.00	8.83	0.00	0.00	-0.01	CO17
			0.35	0.00	8.83	0.00	0.00	0.00	
			0.24	0.00	5.75	0.00	0.00	-0.01	
386	DS4	P_x	0.36	0.00	8.87	0.00	0.00	0.01	CO17
			0.24	0.00	5.78	0.00	0.00	0.01	CO18
		P_y	0.36	0.00	8.87	0.00	0.00	0.01	CO17
			0.24	0.00	5.78	0.00	0.00	0.01	CO18
		P_z	0.36	0.00	8.87	0.00	0.00	0.01	CO17
			0.24	0.00	5.78	0.00	0.00	0.01	CO18
		M_k	0.25	0.00	6.30	0.00	0.00	0.01	CO16
			0.25	0.00	6.30	0.00	0.00	0.01	CO16
		M_y	0.25	0.00	6.30	0.00	0.00	0.01	CO16
			0.25	0.00	6.30	0.00	0.00	0.01	CO16
		M_z	0.36	0.00	8.87	0.00	0.00	0.01	CO17
			0.24	0.00	5.78	0.00	0.00	0.01	CO18
			0.36	0.00	8.87	0.00	0.00	0.01	
			0.24	0.00	5.78	0.00	0.00	0.01	
389	DS4	P_x	0.34	0.00	8.65	0.00	0.00	-0.05	CO17
			0.24	0.00	5.64	0.00	0.00	-0.03	CO18
		P_y	0.24	0.00	5.64	0.00	0.00	-0.03	CO18
			0.34	0.00	8.65	0.00	0.00	-0.05	CO17
		P_z	0.34	0.00	8.65	0.00	0.00	-0.05	CO17
			0.24	0.00	5.64	0.00	0.00	-0.03	CO18
		M_k	0.24	0.00	6.14	0.00	0.00	-0.04	CO16
			0.24	0.00	6.14	0.00	0.00	-0.04	CO16
		M_y	0.24	0.00	6.14	0.00	0.00	-0.04	CO16
			0.24	0.00	6.14	0.00	0.00	-0.04	CO16
		M_z	0.24	0.00	5.64	0.00	0.00	-0.03	CO18
			0.34	0.00	8.65	0.00	0.00	-0.05	CO17
			0.34	0.00	8.65	0.00	0.00	-0.03	
			0.24	0.00	5.64	0.00	0.00	-0.05	
392	DS4	P_x	0.40	0.00	9.62	0.00	0.00	0.23	CO17
			0.27	0.00	6.25	0.00	0.00	0.14	CO18
		P_y	0.40	0.00	9.62	0.00	0.00	0.23	CO17
			0.27	0.00	6.25	0.00	0.00	0.14	CO18
		P_z	0.40	0.00	9.62	0.00	0.00	0.23	CO17
			0.27	0.00	6.25	0.00	0.00	0.14	CO18
		M_k	0.28	0.00	6.83	0.00	0.00	0.16	CO16
			0.28	0.00	6.83	0.00	0.00	0.16	CO16

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
392		M _y	0.28	0.00	6.83	0.00	0.00	0.16	CO16
			0.28	0.00	6.83	0.00	0.00	0.16	CO16
		M _z	0.40	0.00	9.62	0.00	0.00	0.23	CO17
			0.27	0.00	6.25	0.00	0.00	0.14	CO18
			0.40	0.00	9.62	0.00	0.00	0.23	
			0.27	0.00	6.25	0.00	0.00	0.14	
396	DS4	P _x	0.00	0.00	0.17	0.00	0.00	-0.02	CO18
			0.00	0.00	0.17	0.00	0.00	-0.02	CO16
		P _y	0.00	0.00	0.17	0.00	0.00	-0.02	CO18
			0.00	0.00	0.22	0.00	0.00	-0.03	CO17
		P _z	0.00	0.00	0.22	0.00	0.00	-0.03	CO17
			0.00	0.00	0.17	0.00	0.00	-0.02	CO16
		M _x	0.00	0.00	0.17	0.00	0.00	-0.02	CO16
			0.00	0.00	0.17	0.00	0.00	-0.02	CO16
		M _y	0.00	0.00	0.17	0.00	0.00	-0.02	CO16
			0.00	0.00	0.17	0.00	0.00	-0.02	CO16
		M _z	0.00	0.00	0.17	0.00	0.00	-0.02	CO18
			0.00	0.00	0.22	0.00	0.00	-0.03	CO17
		Extremes	0.00	0.00	0.22	0.00	0.00	-0.02	
			0.00	0.00	0.17	0.00	0.00	-0.03	
397	DS4	P _x	-0.94	-0.05	1.74	0.00	0.00	0.34	CO18
			-1.63	-0.08	2.56	0.00	0.00	0.52	CO17
		P _y	-0.94	-0.05	1.74	0.00	0.00	0.34	CO18
			-1.63	-0.08	2.56	0.00	0.00	0.52	CO17
		P _z	-1.63	-0.08	2.56	0.00	0.00	0.52	CO17
			-0.94	-0.05	1.74	0.00	0.00	0.34	CO18
		M _x	-1.15	-0.06	1.84	0.00	0.00	0.37	CO16
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO16
		M _y	-1.15	-0.06	1.84	0.00	0.00	0.37	CO16
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO16
		M _z	-1.63	-0.08	2.56	0.00	0.00	0.52	CO17
			-0.94	-0.05	1.74	0.00	0.00	0.34	CO18
		Extremes	-0.94	-0.05	2.56	0.00	0.00	0.52	
			-1.63	-0.08	1.74	0.00	0.00	0.34	
401	DS4	P _x	-0.33	0.03	2.08	0.00	0.00	-0.33	CO18
			-0.51	0.05	3.17	0.00	0.00	-0.50	CO17
		P _y	-0.51	0.05	3.17	0.00	0.00	-0.50	CO17
			-0.33	0.03	2.08	0.00	0.00	-0.33	CO18
		P _z	-0.51	0.05	3.17	0.00	0.00	-0.50	CO17
			-0.33	0.03	2.08	0.00	0.00	-0.33	CO18
		M _x	-0.36	0.04	2.26	0.00	0.00	-0.36	CO16
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO16
		M _y	-0.36	0.04	2.26	0.00	0.00	-0.36	CO16
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO16
		M _z	-0.33	0.03	2.08	0.00	0.00	-0.33	CO18
			-0.51	0.05	3.17	0.00	0.00	-0.50	CO17
		Extremes	-0.33	0.05	3.17	0.00	0.00	-0.33	
			-0.51	0.03	2.08	0.00	0.00	-0.50	
404	DS4	P _x	0.21	0.00	9.68	0.00	0.00	0.14	CO17
			0.08	0.00	6.28	0.00	0.00	0.09	CO18
		P _y	0.08	0.00	6.28	0.00	0.00	0.09	CO18
			0.21	0.00	9.68	0.00	0.00	0.14	CO17
		P _z	0.21	0.00	9.68	0.00	0.00	0.14	CO17
			0.08	0.00	6.28	0.00	0.00	0.09	CO18
		M _x	0.15	0.00	6.87	0.00	0.00	0.10	CO16
			0.15	0.00	6.87	0.00	0.00	0.10	CO16
		M _y	0.15	0.00	6.87	0.00	0.00	0.10	CO16
			0.15	0.00	6.87	0.00	0.00	0.10	CO16
		M _z	0.21	0.00	9.68	0.00	0.00	0.14	CO17
			0.08	0.00	6.28	0.00	0.00	0.09	CO18
		Extremes	0.21	0.00	9.68	0.00	0.00	0.14	
			0.08	0.00	6.28	0.00	0.00	0.09	
407	DS4	P _x	0.09	0.00	8.87	0.00	0.00	-0.02	CO17
			0.01	0.00	5.76	0.00	0.00	-0.01	CO18
		P _y	0.09	0.00	8.87	0.00	0.00	-0.02	CO17
			0.01	0.00	5.76	0.00	0.00	-0.01	CO18
		P _z	0.09	0.00	8.87	0.00	0.00	-0.02	CO17
			0.01	0.00	5.76	0.00	0.00	-0.01	CO18
		M _x	0.07	0.00	6.30	0.00	0.00	-0.01	CO16
			0.07	0.00	6.30	0.00	0.00	-0.01	CO16
		M _y	0.07	0.00	6.30	0.00	0.00	-0.01	CO16
			0.07	0.00	6.30	0.00	0.00	-0.01	CO16
		Extremes	0.09	0.00	8.87	0.00	0.00	-0.02	
			0.01	0.00	5.76	0.00	0.00	-0.01	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
407		M _z	0.01	0.00	5.76	0.00	0.00	-0.01	CO18
Extremes 407			0.09	0.00	8.87	0.00	0.00	-0.02	CO17
			0.09	0.00	8.87	0.00	0.00	-0.01	
			0.01	0.00	5.76	0.00	0.00	-0.02	
410	DS4	P _x	0.37	0.00	9.09	0.00	0.00	0.01	CO17
			0.16	0.00	5.90	0.00	0.00	0.01	CO18
		P _y	0.16	0.00	5.90	0.00	0.00	0.01	CO18
			0.37	0.00	9.09	0.00	0.00	0.01	CO17
		P _z	0.37	0.00	9.09	0.00	0.00	0.01	CO17
			0.16	0.00	5.90	0.00	0.00	0.01	CO18
		M _k	0.26	0.00	6.45	0.00	0.00	0.01	CO16
			0.26	0.00	6.45	0.00	0.00	0.01	CO16
		M _y	0.26	0.00	6.45	0.00	0.00	0.01	CO16
			0.26	0.00	6.45	0.00	0.00	0.01	CO16
		M _z	0.37	0.00	9.09	0.00	0.00	0.01	CO17
			0.16	0.00	5.90	0.00	0.00	0.01	CO18
Extremes 410			0.37	0.00	9.09	0.00	0.00	0.01	
			0.16	0.00	5.90	0.00	0.00	0.01	
			0.37	0.00	9.09	0.00	0.00	0.01	
			0.16	0.00	5.90	0.00	0.00	0.01	
413	DS4	P _x	-0.43	0.01	5.62	0.00	0.00	0.01	CO18
			-0.70	0.02	8.62	0.00	0.00	0.01	CO17
		P _y	-0.70	0.02	8.62	0.00	0.00	0.01	CO17
			-0.43	0.01	5.62	0.00	0.00	0.01	CO18
		P _z	-0.70	0.02	8.62	0.00	0.00	0.01	CO17
			-0.43	0.01	5.62	0.00	0.00	0.01	CO18
		M _k	-0.49	0.01	6.12	0.00	0.00	0.01	CO16
			-0.49	0.01	6.12	0.00	0.00	0.01	CO16
		M _y	-0.49	0.01	6.12	0.00	0.00	0.01	CO16
			-0.49	0.01	6.12	0.00	0.00	0.01	CO16
		M _z	-0.70	0.02	8.62	0.00	0.00	0.01	CO17
			-0.43	0.01	5.62	0.00	0.00	0.01	CO18
Extremes 413			-0.43	0.02	8.62	0.00	0.00	0.01	
			-0.70	0.01	5.62	0.00	0.00	0.01	
			-0.43	0.01	5.62	0.00	0.00	0.01	
			-0.70	0.01	5.62	0.00	0.00	0.01	
416	DS4	P _x	0.05	0.00	11.54	0.00	0.00	-0.13	CO17
			-0.02	0.00	7.37	0.00	0.00	-0.09	CO18
		P _y	-0.02	0.00	7.37	0.00	0.00	-0.09	CO18
			0.05	0.00	11.54	0.00	0.00	-0.13	CO17
		P _z	0.05	0.00	11.54	0.00	0.00	-0.13	CO17
			-0.02	0.00	7.37	0.00	0.00	-0.09	CO18
		M _k	0.04	0.00	8.19	0.00	0.00	-0.10	CO16
			0.04	0.00	8.19	0.00	0.00	-0.10	CO16
		M _y	0.04	0.00	8.19	0.00	0.00	-0.10	CO16
			0.04	0.00	8.19	0.00	0.00	-0.10	CO16
		M _z	-0.02	0.00	7.37	0.00	0.00	-0.09	CO18
			0.05	0.00	11.54	0.00	0.00	-0.13	CO17
Extremes 416			0.05	0.00	11.54	0.00	0.00	-0.09	
			-0.02	0.00	7.37	0.00	0.00	-0.13	
			-0.02	0.00	7.37	0.00	0.00	-0.13	
			-0.02	0.00	7.37	0.00	0.00	-0.13	
Total max/min values with corresponding values									
109	DS4	P _x	2.95	-0.02	3.71	0.00	0.00	0.04	CO17
112			-5.01	-0.01	3.67	0.00	0.00	-0.04	CO17
192		P _y	-0.68	0.11	4.89	0.00	0.00	0.76	CO17
114			0.00	-0.28	1.22	0.00	0.00	0.17	CO17
162		P _z	-0.89	-0.06	15.60	0.00	0.00	-1.00	CO17
191			-0.01	0.01	-0.05	0.00	0.00	0.03	CO17
1		M _k	0.00	-0.03	1.24	0.00	0.00	0.02	CO16
1			0.00	-0.03	1.24	0.00	0.00	0.02	CO16
1		M _y	0.00	-0.03	1.24	0.00	0.00	0.02	CO16
1			0.00	-0.03	1.24	0.00	0.00	0.02	CO16
166		M _z	-0.60	0.09	11.14	0.00	0.00	1.95	CO17
162			-0.89	-0.06	15.60	0.00	0.00	-1.00	CO17
1	DS5	P _x	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
		P _y	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
		P _z	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
		M _k	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
		M _y	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
		M _z	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
Extremes			0.00	-0.02	0.88	0.00	0.00	0.01	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
1			0.00	-0.02	0.88	0.00	0.00	0.01	
6	DS5	P _x	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
		P _y	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
		P _z	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
		M _k	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
		M _y	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
		M _z	-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
			-0.01	-0.01	0.44	0.00	0.00	-0.01	CO19
		Extremes 6	-0.01	-0.01	0.44	0.00	0.00	-0.01	
			-0.01	-0.01	0.44	0.00	0.00	-0.01	
9	DS5	P _x	0.00	0.06	1.67	0.00	0.00	-0.04	CO19
			0.00	0.06	1.67	0.00	0.00	-0.04	CO19
		P _y	0.00	0.06	1.67	0.00	0.00	-0.04	CO19
			0.00	0.06	1.67	0.00	0.00	-0.04	CO19
		P _z	0.00	0.06	1.67	0.00	0.00	-0.04	CO19
			0.00	0.06	1.67	0.00	0.00	-0.04	CO19
		M _k	0.00	0.06	1.67	0.00	0.00	-0.04	CO19
			0.00	0.06	1.67	0.00	0.00	-0.04	CO19
		M _y	0.00	0.06	1.67	0.00	0.00	-0.04	CO19
			0.00	0.06	1.67	0.00	0.00	-0.04	CO19
		M _z	0.00	0.06	1.67	0.00	0.00	-0.04	CO19
			0.00	0.06	1.67	0.00	0.00	-0.04	CO19
		Extremes 9	0.00	0.06	1.67	0.00	0.00	-0.04	
			0.00	0.06	1.67	0.00	0.00	-0.04	
12	DS5	P _x	-0.02	0.04	0.84	0.00	0.00	0.03	CO19
			-0.02	0.04	0.84	0.00	0.00	0.03	CO19
		P _y	-0.02	0.04	0.84	0.00	0.00	0.03	CO19
			-0.02	0.04	0.84	0.00	0.00	0.03	CO19
		P _z	-0.02	0.04	0.84	0.00	0.00	0.03	CO19
			-0.02	0.04	0.84	0.00	0.00	0.03	CO19
		M _k	-0.02	0.04	0.84	0.00	0.00	0.03	CO19
			-0.02	0.04	0.84	0.00	0.00	0.03	CO19
		M _y	-0.02	0.04	0.84	0.00	0.00	0.03	CO19
			-0.02	0.04	0.84	0.00	0.00	0.03	CO19
		M _z	-0.02	0.04	0.84	0.00	0.00	0.03	CO19
			-0.02	0.04	0.84	0.00	0.00	0.03	CO19
		Extremes 12	-0.02	0.04	0.84	0.00	0.00	0.03	
			-0.02	0.04	0.84	0.00	0.00	0.03	
14	DS5	P _x	1.55	0.02	2.27	0.00	0.00	-0.03	CO19
			1.55	0.02	2.27	0.00	0.00	-0.03	CO19
		P _y	1.55	0.02	2.27	0.00	0.00	-0.03	CO19
			1.55	0.02	2.27	0.00	0.00	-0.03	CO19
		P _z	1.55	0.02	2.27	0.00	0.00	-0.03	CO19
			1.55	0.02	2.27	0.00	0.00	-0.03	CO19
		M _k	1.55	0.02	2.27	0.00	0.00	-0.03	CO19
			1.55	0.02	2.27	0.00	0.00	-0.03	CO19
		M _y	1.55	0.02	2.27	0.00	0.00	-0.03	CO19
			1.55	0.02	2.27	0.00	0.00	-0.03	CO19
		M _z	1.55	0.02	2.27	0.00	0.00	-0.03	CO19
			1.55	0.02	2.27	0.00	0.00	-0.03	CO19
		Extremes 14	1.55	0.02	2.27	0.00	0.00	-0.03	
			1.55	0.02	2.27	0.00	0.00	-0.03	
17	DS5	P _x	-2.45	0.02	1.21	0.00	0.00	0.02	CO19
			-2.45	0.02	1.21	0.00	0.00	0.02	CO19
		P _y	-2.45	0.02	1.21	0.00	0.00	0.02	CO19
			-2.45	0.02	1.21	0.00	0.00	0.02	CO19
		P _z	-2.45	0.02	1.21	0.00	0.00	0.02	CO19
			-2.45	0.02	1.21	0.00	0.00	0.02	CO19
		M _k	-2.45	0.02	1.21	0.00	0.00	0.02	CO19
			-2.45	0.02	1.21	0.00	0.00	0.02	CO19
		M _y	-2.45	0.02	1.21	0.00	0.00	0.02	CO19
			-2.45	0.02	1.21	0.00	0.00	0.02	CO19
		M _z	-2.45	0.02	1.21	0.00	0.00	0.02	CO19
			-2.45	0.02	1.21	0.00	0.00	0.02	CO19
		Extremes 17	-2.45	0.02	1.21	0.00	0.00	0.02	
			-2.45	0.02	1.21	0.00	0.00	0.02	

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
19	DS5	P_x	1.50	-0.03	2.18	0.00	0.00	0.03	CO19
			1.50	-0.03	2.18	0.00	0.00	0.03	CO19
		P_y	1.50	-0.03	2.18	0.00	0.00	0.03	CO19
			1.50	-0.03	2.18	0.00	0.00	0.03	CO19
		P_z	1.50	-0.03	2.18	0.00	0.00	0.03	CO19
			1.50	-0.03	2.18	0.00	0.00	0.03	CO19
		M_k	1.50	-0.03	2.18	0.00	0.00	0.03	CO19
			1.50	-0.03	2.18	0.00	0.00	0.03	CO19
		M_y	1.50	-0.03	2.18	0.00	0.00	0.03	CO19
			1.50	-0.03	2.18	0.00	0.00	0.03	CO19
		M_z	1.50	-0.03	2.18	0.00	0.00	0.03	CO19
			1.50	-0.03	2.18	0.00	0.00	0.03	CO19
		Extremes	1.50	-0.03	2.18	0.00	0.00	0.03	CO19
			1.50	-0.03	2.18	0.00	0.00	0.03	CO19
22	DS5	P_x	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
		P_y	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
		P_z	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
		M_k	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
		M_y	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
		M_z	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
		Extremes	-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
			-2.14	-0.03	1.17	0.00	0.00	-0.03	CO19
24	DS5	P_x	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		P_y	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		P_z	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		M_k	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		M_y	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		M_z	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		Extremes	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
27	DS5	P_x	-0.01	0.06	1.27	0.00	0.00	0.03	CO19
			-0.01	0.06	1.27	0.00	0.00	0.03	CO19
		P_y	-0.01	0.06	1.27	0.00	0.00	0.03	CO19
			-0.01	0.06	1.27	0.00	0.00	0.03	CO19
		P_z	-0.01	0.06	1.27	0.00	0.00	0.03	CO19
			-0.01	0.06	1.27	0.00	0.00	0.03	CO19
		M_k	-0.01	0.06	1.27	0.00	0.00	0.03	CO19
			-0.01	0.06	1.27	0.00	0.00	0.03	CO19
		M_y	-0.01	0.06	1.27	0.00	0.00	0.03	CO19
			-0.01	0.06	1.27	0.00	0.00	0.03	CO19
		M_z	-0.01	0.06	1.27	0.00	0.00	0.03	CO19
			-0.01	0.06	1.27	0.00	0.00	0.03	CO19
		Extremes	-0.01	0.06	1.27	0.00	0.00	0.03	CO19
			-0.01	0.06	1.27	0.00	0.00	0.03	CO19
29	DS5	P_x	1.28	0.02	2.08	0.00	0.00	-0.03	CO19
			1.28	0.02	2.08	0.00	0.00	-0.03	CO19
		P_y	1.28	0.02	2.08	0.00	0.00	-0.03	CO19
			1.28	0.02	2.08	0.00	0.00	-0.03	CO19
		P_z	1.28	0.02	2.08	0.00	0.00	-0.03	CO19
			1.28	0.02	2.08	0.00	0.00	-0.03	CO19
		M_k	1.28	0.02	2.08	0.00	0.00	-0.03	CO19
			1.28	0.02	2.08	0.00	0.00	-0.03	CO19
		M_y	1.28	0.02	2.08	0.00	0.00	-0.03	CO19
			1.28	0.02	2.08	0.00	0.00	-0.03	CO19
		M_z	1.28	0.02	2.08	0.00	0.00	-0.03	CO19
			1.28	0.02	2.08	0.00	0.00	-0.03	CO19
		Extremes	1.28	0.02	2.08	0.00	0.00	-0.03	CO19
			1.28	0.02	2.08	0.00	0.00	-0.03	CO19
32	DS5	P_x	-1.52	0.02	2.27	0.00	0.00	0.03	CO19
			-1.52	0.02	2.27	0.00	0.00	0.03	CO19

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
32		P_y	-1.52	0.02	2.27	0.00	0.00	0.03	CO19
			-1.52	0.02	2.27	0.00	0.00	0.03	CO19
		P_z	-1.52	0.02	2.27	0.00	0.00	0.03	CO19
			-1.52	0.02	2.27	0.00	0.00	0.03	CO19
		M_k	-1.52	0.02	2.27	0.00	0.00	0.03	CO19
			-1.52	0.02	2.27	0.00	0.00	0.03	CO19
		M_y	-1.52	0.02	2.27	0.00	0.00	0.03	CO19
			-1.52	0.02	2.27	0.00	0.00	0.03	CO19
		M_z	-1.52	0.02	2.27	0.00	0.00	0.03	CO19
			-1.52	0.02	2.27	0.00	0.00	0.03	CO19
		Extremes	-1.52	0.02	2.27	0.00	0.00	0.03	CO19
			-1.52	0.02	2.27	0.00	0.00	0.03	CO19
34	DS5	P_x	1.28	-0.02	2.10	0.00	0.00	0.02	CO19
			1.28	-0.02	2.10	0.00	0.00	0.02	CO19
		P_y	1.28	-0.02	2.10	0.00	0.00	0.02	CO19
			1.28	-0.02	2.10	0.00	0.00	0.02	CO19
		P_z	1.28	-0.02	2.10	0.00	0.00	0.02	CO19
			1.28	-0.02	2.10	0.00	0.00	0.02	CO19
		M_k	1.28	-0.02	2.10	0.00	0.00	0.02	CO19
			1.28	-0.02	2.10	0.00	0.00	0.02	CO19
		M_y	1.28	-0.02	2.10	0.00	0.00	0.02	CO19
			1.28	-0.02	2.10	0.00	0.00	0.02	CO19
		M_z	1.28	-0.02	2.10	0.00	0.00	0.02	CO19
			1.28	-0.02	2.10	0.00	0.00	0.02	CO19
37	DS5	P_x	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
		P_y	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
		P_z	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
		M_k	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
		M_y	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
		M_z	-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
			-1.08	-0.03	2.18	0.00	0.00	-0.03	CO19
39	DS5	P_x	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		P_y	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		P_z	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M_k	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M_y	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M_z	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
42	DS5	P_x	0.01	-0.01	1.59	0.00	0.00	0.00	CO19
			0.01	-0.01	1.59	0.00	0.00	0.00	CO19
		P_y	0.01	-0.01	1.59	0.00	0.00	0.00	CO19
			0.01	-0.01	1.59	0.00	0.00	0.00	CO19
		P_z	0.01	-0.01	1.59	0.00	0.00	0.00	CO19
			0.01	-0.01	1.59	0.00	0.00	0.00	CO19
		M_k	0.01	-0.01	1.59	0.00	0.00	0.00	CO19
			0.01	-0.01	1.59	0.00	0.00	0.00	CO19
		M_y	0.01	-0.01	1.59	0.00	0.00	0.00	CO19
			0.01	-0.01	1.59	0.00	0.00	0.00	CO19
		M_z	0.01	-0.01	1.59	0.00	0.00	0.00	CO19
			0.01	-0.01	1.59	0.00	0.00	0.00	CO19
44	DS5	P_x	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19
		P_y	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
44		P_z	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19
		M_k	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19
		M_y	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19
		M_z	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19
		Extremes	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19
		44	1.33	0.02	2.12	0.00	0.00	-0.03	CO19
			1.33	0.02	2.12	0.00	0.00	-0.03	CO19
47	DS5	P_x	-1.84	0.02	2.09	0.00	0.00	0.03	CO19
			-1.84	0.02	2.09	0.00	0.00	0.03	CO19
		P_y	-1.84	0.02	2.09	0.00	0.00	0.03	CO19
			-1.84	0.02	2.09	0.00	0.00	0.03	CO19
		P_z	-1.84	0.02	2.09	0.00	0.00	0.03	CO19
			-1.84	0.02	2.09	0.00	0.00	0.03	CO19
		M_k	-1.84	0.02	2.09	0.00	0.00	0.03	CO19
			-1.84	0.02	2.09	0.00	0.00	0.03	CO19
		M_y	-1.84	0.02	2.09	0.00	0.00	0.03	CO19
			-1.84	0.02	2.09	0.00	0.00	0.03	CO19
		M_z	-1.84	0.02	2.09	0.00	0.00	0.03	CO19
			-1.84	0.02	2.09	0.00	0.00	0.03	CO19
49	DS5	P_x	1.33	-0.02	2.12	0.00	0.00	0.03	CO19
			1.33	-0.02	2.12	0.00	0.00	0.03	CO19
		P_y	1.33	-0.02	2.12	0.00	0.00	0.03	CO19
			1.33	-0.02	2.12	0.00	0.00	0.03	CO19
		P_z	1.33	-0.02	2.12	0.00	0.00	0.03	CO19
			1.33	-0.02	2.12	0.00	0.00	0.03	CO19
		M_k	1.33	-0.02	2.12	0.00	0.00	0.03	CO19
			1.33	-0.02	2.12	0.00	0.00	0.03	CO19
		M_y	1.33	-0.02	2.12	0.00	0.00	0.03	CO19
			1.33	-0.02	2.12	0.00	0.00	0.03	CO19
		M_z	1.33	-0.02	2.12	0.00	0.00	0.03	CO19
			1.33	-0.02	2.12	0.00	0.00	0.03	CO19
52	DS5	P_x	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
		P_y	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
		P_z	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
		M_k	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
		M_y	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
		M_z	-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
			-1.43	-0.02	2.10	0.00	0.00	-0.02	CO19
54	DS5	P_x	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		P_y	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		P_z	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M_k	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M_y	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M_z	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
57	DS5	P_x	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		P_y	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		P_z	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		Extremes	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		54	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		57	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
57		M _k	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		M _y	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		M _z	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		Extremes	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
		57	0.01	0.00	1.62	0.00	0.00	0.00	CO19
			0.01	0.00	1.62	0.00	0.00	0.00	CO19
59	DS5	P _x	1.31	0.02	2.11	0.00	0.00	-0.03	CO19
			1.31	0.02	2.11	0.00	0.00	-0.03	CO19
		P _y	1.31	0.02	2.11	0.00	0.00	-0.03	CO19
			1.31	0.02	2.11	0.00	0.00	-0.03	CO19
		P _z	1.31	0.02	2.11	0.00	0.00	-0.03	CO19
			1.31	0.02	2.11	0.00	0.00	-0.03	CO19
		M _k	1.31	0.02	2.11	0.00	0.00	-0.03	CO19
			1.31	0.02	2.11	0.00	0.00	-0.03	CO19
		M _y	1.31	0.02	2.11	0.00	0.00	-0.03	CO19
			1.31	0.02	2.11	0.00	0.00	-0.03	CO19
		M _z	1.31	0.02	2.11	0.00	0.00	-0.03	CO19
			1.31	0.02	2.11	0.00	0.00	-0.03	CO19
		Extremes	1.31	0.02	2.11	0.00	0.00	-0.03	CO19
			1.31	0.02	2.11	0.00	0.00	-0.03	CO19
62	DS5	P _x	-1.77	0.02	2.12	0.00	0.00	0.03	CO19
			-1.77	0.02	2.12	0.00	0.00	0.03	CO19
		P _y	-1.77	0.02	2.12	0.00	0.00	0.03	CO19
			-1.77	0.02	2.12	0.00	0.00	0.03	CO19
		P _z	-1.77	0.02	2.12	0.00	0.00	0.03	CO19
			-1.77	0.02	2.12	0.00	0.00	0.03	CO19
		M _k	-1.77	0.02	2.12	0.00	0.00	0.03	CO19
			-1.77	0.02	2.12	0.00	0.00	0.03	CO19
		M _y	-1.77	0.02	2.12	0.00	0.00	0.03	CO19
			-1.77	0.02	2.12	0.00	0.00	0.03	CO19
		M _z	-1.77	0.02	2.12	0.00	0.00	0.03	CO19
			-1.77	0.02	2.12	0.00	0.00	0.03	CO19
		Extremes	-1.77	0.02	2.12	0.00	0.00	0.03	CO19
			-1.77	0.02	2.12	0.00	0.00	0.03	CO19
64	DS5	P _x	1.31	-0.02	2.11	0.00	0.00	0.03	CO19
			1.31	-0.02	2.11	0.00	0.00	0.03	CO19
		P _y	1.31	-0.02	2.11	0.00	0.00	0.03	CO19
			1.31	-0.02	2.11	0.00	0.00	0.03	CO19
		P _z	1.31	-0.02	2.11	0.00	0.00	0.03	CO19
			1.31	-0.02	2.11	0.00	0.00	0.03	CO19
		M _k	1.31	-0.02	2.11	0.00	0.00	0.03	CO19
			1.31	-0.02	2.11	0.00	0.00	0.03	CO19
		M _y	1.31	-0.02	2.11	0.00	0.00	0.03	CO19
			1.31	-0.02	2.11	0.00	0.00	0.03	CO19
		M _z	1.31	-0.02	2.11	0.00	0.00	0.03	CO19
			1.31	-0.02	2.11	0.00	0.00	0.03	CO19
		Extremes	1.31	-0.02	2.11	0.00	0.00	0.03	CO19
			1.31	-0.02	2.11	0.00	0.00	0.03	CO19
67	DS5	P _x	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
		P _y	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
		P _z	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
		M _k	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
		M _y	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
		M _z	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
		Extremes	-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
			-1.29	-0.02	2.10	0.00	0.00	-0.03	CO19
69	DS5	P _x	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		P _y	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		P _z	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M _k	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		Extremes	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
69		M_y	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
		M_z	0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
			0.00	0.00	1.67	0.00	0.00	0.00	CO19
Extremes 69			0.00	0.00	1.67	0.00	0.00	0.00	
72	DS5	P_x	0.01	0.00	1.60	0.00	0.00	0.00	CO19
			0.01	0.00	1.60	0.00	0.00	0.00	CO19
		P_y	0.01	0.00	1.60	0.00	0.00	0.00	CO19
			0.01	0.00	1.60	0.00	0.00	0.00	CO19
		P_z	0.01	0.00	1.60	0.00	0.00	0.00	CO19
			0.01	0.00	1.60	0.00	0.00	0.00	CO19
		M_k	0.01	0.00	1.60	0.00	0.00	0.00	CO19
			0.01	0.00	1.60	0.00	0.00	0.00	CO19
		M_y	0.01	0.00	1.60	0.00	0.00	0.00	CO19
			0.01	0.00	1.60	0.00	0.00	0.00	CO19
		M_z	0.01	0.00	1.60	0.00	0.00	0.00	CO19
			0.01	0.00	1.60	0.00	0.00	0.00	CO19
		Extremes 72	0.01	0.00	1.60	0.00	0.00	0.00	CO19
			0.01	0.00	1.60	0.00	0.00	0.00	CO19
74	DS5	P_x	1.34	0.02	2.12	0.00	0.00	-0.03	CO19
			1.34	0.02	2.12	0.00	0.00	-0.03	CO19
		P_y	1.34	0.02	2.12	0.00	0.00	-0.03	CO19
			1.34	0.02	2.12	0.00	0.00	-0.03	CO19
		P_z	1.34	0.02	2.12	0.00	0.00	-0.03	CO19
			1.34	0.02	2.12	0.00	0.00	-0.03	CO19
		M_k	1.34	0.02	2.12	0.00	0.00	-0.03	CO19
			1.34	0.02	2.12	0.00	0.00	-0.03	CO19
		M_y	1.34	0.02	2.12	0.00	0.00	-0.03	CO19
			1.34	0.02	2.12	0.00	0.00	-0.03	CO19
		M_z	1.34	0.02	2.12	0.00	0.00	-0.03	CO19
			1.34	0.02	2.12	0.00	0.00	-0.03	CO19
		Extremes 74	1.34	0.02	2.12	0.00	0.00	-0.03	CO19
			1.34	0.02	2.12	0.00	0.00	-0.03	CO19
77	DS5	P_x	-1.83	0.02	2.12	0.00	0.00	0.03	CO19
			-1.83	0.02	2.12	0.00	0.00	0.03	CO19
		P_y	-1.83	0.02	2.12	0.00	0.00	0.03	CO19
			-1.83	0.02	2.12	0.00	0.00	0.03	CO19
		P_z	-1.83	0.02	2.12	0.00	0.00	0.03	CO19
			-1.83	0.02	2.12	0.00	0.00	0.03	CO19
		M_k	-1.83	0.02	2.12	0.00	0.00	0.03	CO19
			-1.83	0.02	2.12	0.00	0.00	0.03	CO19
		M_y	-1.83	0.02	2.12	0.00	0.00	0.03	CO19
			-1.83	0.02	2.12	0.00	0.00	0.03	CO19
		M_z	-1.83	0.02	2.12	0.00	0.00	0.03	CO19
			-1.83	0.02	2.12	0.00	0.00	0.03	CO19
		Extremes 77	-1.83	0.02	2.12	0.00	0.00	0.03	CO19
			-1.83	0.02	2.12	0.00	0.00	0.03	CO19
79	DS5	P_x	1.35	-0.02	2.14	0.00	0.00	0.03	CO19
			1.35	-0.02	2.14	0.00	0.00	0.03	CO19
		P_y	1.35	-0.02	2.14	0.00	0.00	0.03	CO19
			1.35	-0.02	2.14	0.00	0.00	0.03	CO19
		P_z	1.35	-0.02	2.14	0.00	0.00	0.03	CO19
			1.35	-0.02	2.14	0.00	0.00	0.03	CO19
		M_k	1.35	-0.02	2.14	0.00	0.00	0.03	CO19
			1.35	-0.02	2.14	0.00	0.00	0.03	CO19
		M_y	1.35	-0.02	2.14	0.00	0.00	0.03	CO19
			1.35	-0.02	2.14	0.00	0.00	0.03	CO19
		M_z	1.35	-0.02	2.14	0.00	0.00	0.03	CO19
			1.35	-0.02	2.14	0.00	0.00	0.03	CO19
		Extremes 79	1.35	-0.02	2.14	0.00	0.00	0.03	CO19
			1.35	-0.02	2.14	0.00	0.00	0.03	CO19
82	DS5	P_x	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
		P_y	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
		P_z	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
		M_k	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
		M_y	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
82		M_z	-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	CO19
			-1.54	-0.02	2.14	0.00	0.00	-0.03	
			-1.54	-0.02	2.14	0.00	0.00	-0.03	
84	DS5	P_x	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		P_y	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		P_z	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		M_k	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		M_y	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		M_z	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	CO19
		Extremes	0.00	-0.01	1.67	0.00	0.00	0.01	CO19
			0.00	-0.01	1.67	0.00	0.00	0.01	
			0.00	-0.01	1.67	0.00	0.00	0.01	
			0.00	-0.01	1.67	0.00	0.00	0.01	
87	DS5	P_x	0.00	-0.01	1.65	0.00	0.00	0.00	CO19
			0.00	-0.01	1.65	0.00	0.00	0.00	CO19
		P_y	0.00	-0.01	1.65	0.00	0.00	0.00	CO19
			0.00	-0.01	1.65	0.00	0.00	0.00	CO19
		P_z	0.00	-0.01	1.65	0.00	0.00	0.00	CO19
			0.00	-0.01	1.65	0.00	0.00	0.00	CO19
		M_k	0.00	-0.01	1.65	0.00	0.00	0.00	CO19
			0.00	-0.01	1.65	0.00	0.00	0.00	CO19
		M_y	0.00	-0.01	1.65	0.00	0.00	0.00	CO19
			0.00	-0.01	1.65	0.00	0.00	0.00	CO19
		M_z	0.00	-0.01	1.65	0.00	0.00	0.00	CO19
			0.00	-0.01	1.65	0.00	0.00	0.00	CO19
		Extremes	0.00	-0.01	1.65	0.00	0.00	0.00	CO19
			0.00	-0.01	1.65	0.00	0.00	0.00	
			0.00	-0.01	1.65	0.00	0.00	0.00	
			0.00	-0.01	1.65	0.00	0.00	0.00	
89	DS5	P_x	1.20	0.02	2.07	0.00	0.00	-0.02	CO19
			1.20	0.02	2.07	0.00	0.00	-0.02	CO19
		P_y	1.20	0.02	2.07	0.00	0.00	-0.02	CO19
			1.20	0.02	2.07	0.00	0.00	-0.02	CO19
		P_z	1.20	0.02	2.07	0.00	0.00	-0.02	CO19
			1.20	0.02	2.07	0.00	0.00	-0.02	CO19
		M_k	1.20	0.02	2.07	0.00	0.00	-0.02	CO19
			1.20	0.02	2.07	0.00	0.00	-0.02	CO19
		M_y	1.20	0.02	2.07	0.00	0.00	-0.02	CO19
			1.20	0.02	2.07	0.00	0.00	-0.02	CO19
		M_z	1.20	0.02	2.07	0.00	0.00	-0.02	CO19
			1.20	0.02	2.07	0.00	0.00	-0.02	CO19
		Extremes	1.20	0.02	2.07	0.00	0.00	-0.02	CO19
			1.20	0.02	2.07	0.00	0.00	-0.02	
			1.20	0.02	2.07	0.00	0.00	-0.02	
			1.20	0.02	2.07	0.00	0.00	-0.02	
92	DS5	P_x	-1.60	0.02	2.09	0.00	0.00	0.02	CO19
			-1.60	0.02	2.09	0.00	0.00	0.02	CO19
		P_y	-1.60	0.02	2.09	0.00	0.00	0.02	CO19
			-1.60	0.02	2.09	0.00	0.00	0.02	CO19
		P_z	-1.60	0.02	2.09	0.00	0.00	0.02	CO19
			-1.60	0.02	2.09	0.00	0.00	0.02	CO19
		M_k	-1.60	0.02	2.09	0.00	0.00	0.02	CO19
			-1.60	0.02	2.09	0.00	0.00	0.02	CO19
		M_y	-1.60	0.02	2.09	0.00	0.00	0.02	CO19
			-1.60	0.02	2.09	0.00	0.00	0.02	CO19
		M_z	-1.60	0.02	2.09	0.00	0.00	0.02	CO19
			-1.60	0.02	2.09	0.00	0.00	0.02	CO19
		Extremes	-1.60	0.02	2.09	0.00	0.00	0.02	CO19
			-1.60	0.02	2.09	0.00	0.00	0.02	
			-1.60	0.02	2.09	0.00	0.00	0.02	
			-1.60	0.02	2.09	0.00	0.00	0.02	
94	DS5	P_x	1.18	-0.03	2.01	0.00	0.00	0.03	CO19
			1.18	-0.03	2.01	0.00	0.00	0.03	CO19
		P_y	1.18	-0.03	2.01	0.00	0.00	0.03	CO19
			1.18	-0.03	2.01	0.00	0.00	0.03	CO19
		P_z	1.18	-0.03	2.01	0.00	0.00	0.03	CO19
			1.18	-0.03	2.01	0.00	0.00	0.03	CO19
		M_k	1.18	-0.03	2.01	0.00	0.00	0.03	CO19
			1.18	-0.03	2.01	0.00	0.00	0.03	CO19
		M_y	1.18	-0.03	2.01	0.00	0.00	0.03	CO19
			1.18	-0.03	2.01	0.00	0.00	0.03	CO19
		M_z	1.18	-0.03	2.01	0.00	0.00	0.03	CO19
			1.18	-0.03	2.01	0.00	0.00	0.03	CO19
		Extremes	1.18	-0.03	2.01	0.00	0.00	0.03	CO19
			1.18	-0.03	2.01	0.00	0.00	0.03	
			1.18	-0.03	2.01	0.00	0.00	0.03	
			1.18	-0.03	2.01	0.00	0.00	0.03	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 94			1.18 1.18	-0.03 -0.03	2.01 2.01	0.00 0.00	0.00 0.00	0.03 0.03	
97	DS5	P _x	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
		P _y	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
		P _z	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
		M _k	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
		M _y	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
		M _z	-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
			-0.46	-0.03	1.95	0.00	0.00	-0.03	CO19
			-0.46	-0.03	1.95	0.00	0.00	-0.03	
			-0.46	-0.03	1.95	0.00	0.00	-0.03	
Extremes 99			0.00 0.00	0.04 0.04	1.67 1.67	0.00 0.00	0.00 0.00	-0.03 -0.03	CO19 CO19
99	DS5	P _y	0.00	0.04	1.67	0.00	0.00	-0.03	CO19
			0.00	0.04	1.67	0.00	0.00	-0.03	CO19
		P _z	0.00	0.04	1.67	0.00	0.00	-0.03	CO19
			0.00	0.04	1.67	0.00	0.00	-0.03	CO19
		M _k	0.00	0.04	1.67	0.00	0.00	-0.03	CO19
			0.00	0.04	1.67	0.00	0.00	-0.03	CO19
		M _y	0.00	0.04	1.67	0.00	0.00	-0.03	CO19
			0.00	0.04	1.67	0.00	0.00	-0.03	CO19
		M _z	0.00	0.04	1.67	0.00	0.00	-0.03	CO19
			0.00	0.04	1.67	0.00	0.00	-0.03	CO19
			0.00	0.04	1.67	0.00	0.00	-0.03	
			0.00	0.04	1.67	0.00	0.00	-0.03	
			0.00	0.04	1.67	0.00	0.00	-0.03	
			0.00	0.04	1.67	0.00	0.00	-0.03	
102	DS5	P _x	0.03	0.04	1.34	0.00	0.00	0.02	CO19
			0.03	0.04	1.34	0.00	0.00	0.02	CO19
		P _y	0.03	0.04	1.34	0.00	0.00	0.02	CO19
			0.03	0.04	1.34	0.00	0.00	0.02	CO19
		P _z	0.03	0.04	1.34	0.00	0.00	0.02	CO19
			0.03	0.04	1.34	0.00	0.00	0.02	CO19
		M _k	0.03	0.04	1.34	0.00	0.00	0.02	CO19
			0.03	0.04	1.34	0.00	0.00	0.02	CO19
		M _y	0.03	0.04	1.34	0.00	0.00	0.02	CO19
			0.03	0.04	1.34	0.00	0.00	0.02	CO19
		M _z	0.03	0.04	1.34	0.00	0.00	0.02	CO19
			0.03	0.04	1.34	0.00	0.00	0.02	CO19
			0.03	0.04	1.34	0.00	0.00	0.02	
			0.03	0.04	1.34	0.00	0.00	0.02	
104	DS5	P _x	1.92	0.04	2.33	0.00	0.00	-0.05	CO19
			1.92	0.04	2.33	0.00	0.00	-0.05	CO19
		P _y	1.92	0.04	2.33	0.00	0.00	-0.05	CO19
			1.92	0.04	2.33	0.00	0.00	-0.05	CO19
		P _z	1.92	0.04	2.33	0.00	0.00	-0.05	CO19
			1.92	0.04	2.33	0.00	0.00	-0.05	CO19
		M _k	1.92	0.04	2.33	0.00	0.00	-0.05	CO19
			1.92	0.04	2.33	0.00	0.00	-0.05	CO19
		M _y	1.92	0.04	2.33	0.00	0.00	-0.05	CO19
			1.92	0.04	2.33	0.00	0.00	-0.05	CO19
		M _z	1.92	0.04	2.33	0.00	0.00	-0.05	CO19
			1.92	0.04	2.33	0.00	0.00	-0.05	CO19
			1.92	0.04	2.33	0.00	0.00	-0.05	
			1.92	0.04	2.33	0.00	0.00	-0.05	
107	DS5	P _x	-1.15	0.04	2.29	0.00	0.00	0.05	CO19
			-1.15	0.04	2.29	0.00	0.00	0.05	CO19
		P _y	-1.15	0.04	2.29	0.00	0.00	0.05	CO19
			-1.15	0.04	2.29	0.00	0.00	0.05	CO19
		P _z	-1.15	0.04	2.29	0.00	0.00	0.05	CO19
			-1.15	0.04	2.29	0.00	0.00	0.05	CO19
		M _k	-1.15	0.04	2.29	0.00	0.00	0.05	CO19
			-1.15	0.04	2.29	0.00	0.00	0.05	CO19
		M _y	-1.15	0.04	2.29	0.00	0.00	0.05	CO19
			-1.15	0.04	2.29	0.00	0.00	0.05	CO19
		M _z	-1.15	0.04	2.29	0.00	0.00	0.05	CO19
			-1.15	0.04	2.29	0.00	0.00	0.05	CO19
			-1.15	0.04	2.29	0.00	0.00	0.05	
			-1.15	0.04	2.29	0.00	0.00	0.05	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
109	DS5	P_x	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			2.09	-0.01	2.62	0.00	0.00	0.03	CO19
		P_y	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			2.09	-0.01	2.62	0.00	0.00	0.03	CO19
		P_z	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			2.09	-0.01	2.62	0.00	0.00	0.03	CO19
		M_k	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			2.09	-0.01	2.62	0.00	0.00	0.03	CO19
		M_y	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			2.09	-0.01	2.62	0.00	0.00	0.03	CO19
		M_z	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			2.09	-0.01	2.62	0.00	0.00	0.03	CO19
		Extremes	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			2.09	-0.01	2.62	0.00	0.00	0.03	CO19
112	DS5	P_x	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
		P_y	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
		P_z	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
		M_k	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
		M_y	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
		M_z	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
		Extremes	-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
114	DS5	P_x	0.00	-0.20	0.87	0.00	0.00	0.12	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
		P_y	0.00	-0.20	0.87	0.00	0.00	0.12	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
		P_z	0.00	-0.20	0.87	0.00	0.00	0.12	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
		M_k	0.00	-0.20	0.87	0.00	0.00	0.12	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
		M_y	0.00	-0.20	0.87	0.00	0.00	0.12	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
		M_z	0.00	-0.20	0.87	0.00	0.00	0.12	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
		Extremes	0.00	-0.20	0.87	0.00	0.00	0.12	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
117	DS5	P_x	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
		P_y	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
		P_z	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
		M_k	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
		M_y	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
		M_z	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
		Extremes	-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
			-0.01	-0.19	0.99	0.00	0.00	-0.12	CO19
126	DS5	P_x	0.00	0.01	0.09	0.00	0.00	-0.01	CO19
			0.00	0.01	0.09	0.00	0.00	-0.01	CO19
		P_y	0.00	0.01	0.09	0.00	0.00	-0.01	CO19
			0.00	0.01	0.09	0.00	0.00	-0.01	CO19
		P_z	0.00	0.01	0.09	0.00	0.00	-0.01	CO19
			0.00	0.01	0.09	0.00	0.00	-0.01	CO19
		M_k	0.00	0.01	0.09	0.00	0.00	-0.01	CO19
			0.00	0.01	0.09	0.00	0.00	-0.01	CO19
		M_y	0.00	0.01	0.09	0.00	0.00	-0.01	CO19
			0.00	0.01	0.09	0.00	0.00	-0.01	CO19
		M_z	0.00	0.01	0.09	0.00	0.00	-0.01	CO19
			0.00	0.01	0.09	0.00	0.00	-0.01	CO19
		Extremes	0.00	0.01	0.09	0.00	0.00	-0.01	CO19
			0.00	0.01	0.09	0.00	0.00	-0.01	CO19
127	DS5	P_x	0.30	-0.02	6.76	0.00	0.00	0.22	CO19
			0.30	-0.02	6.76	0.00	0.00	0.22	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
127		P_y	0.30	-0.02	6.76	0.00	0.00	0.22	CO19
			0.30	-0.02	6.76	0.00	0.00	0.22	CO19
		P_z	0.30	-0.02	6.76	0.00	0.00	0.22	CO19
			0.30	-0.02	6.76	0.00	0.00	0.22	CO19
		M_k	0.30	-0.02	6.76	0.00	0.00	0.22	CO19
			0.30	-0.02	6.76	0.00	0.00	0.22	CO19
		M_y	0.30	-0.02	6.76	0.00	0.00	0.22	CO19
			0.30	-0.02	6.76	0.00	0.00	0.22	CO19
		M_z	0.30	-0.02	6.76	0.00	0.00	0.22	CO19
			0.30	-0.02	6.76	0.00	0.00	0.22	CO19
Extremes 127			0.30	-0.02	6.76	0.00	0.00	0.22	
			0.30	-0.02	6.76	0.00	0.00	0.22	
130	SC5 DS5	P_x	0.44	0.01	8.69	0.00	0.00	-0.06	CO19
			0.44	0.01	8.69	0.00	0.00	-0.06	CO19
		P_y	0.44	0.01	8.69	0.00	0.00	-0.06	CO19
			0.44	0.01	8.69	0.00	0.00	-0.06	CO19
		P_z	0.44	0.01	8.69	0.00	0.00	-0.06	CO19
			0.44	0.01	8.69	0.00	0.00	-0.06	CO19
		M_k	0.44	0.01	8.69	0.00	0.00	-0.06	CO19
			0.44	0.01	8.69	0.00	0.00	-0.06	CO19
		M_y	0.44	0.01	8.69	0.00	0.00	-0.06	CO19
			0.44	0.01	8.69	0.00	0.00	-0.06	CO19
Extremes 130			0.44	0.01	8.69	0.00	0.00	-0.06	
			0.44	0.01	8.69	0.00	0.00	-0.06	
133	SC5 DS5	P_x	0.41	0.00	8.34	0.00	0.00	0.02	CO19
			0.41	0.00	8.34	0.00	0.00	0.02	CO19
		P_y	0.41	0.00	8.34	0.00	0.00	0.02	CO19
			0.41	0.00	8.34	0.00	0.00	0.02	CO19
		P_z	0.41	0.00	8.34	0.00	0.00	0.02	CO19
			0.41	0.00	8.34	0.00	0.00	0.02	CO19
		M_k	0.41	0.00	8.34	0.00	0.00	0.02	CO19
			0.41	0.00	8.34	0.00	0.00	0.02	CO19
		M_y	0.41	0.00	8.34	0.00	0.00	0.02	CO19
			0.41	0.00	8.34	0.00	0.00	0.02	CO19
Extremes 133			0.41	0.00	8.34	0.00	0.00	0.02	
			0.41	0.00	8.34	0.00	0.00	0.02	
136	SC5 DS5	P_x	0.41	0.00	8.41	0.00	0.00	-0.01	CO19
			0.41	0.00	8.41	0.00	0.00	-0.01	CO19
		P_y	0.41	0.00	8.41	0.00	0.00	-0.01	CO19
			0.41	0.00	8.41	0.00	0.00	-0.01	CO19
		P_z	0.41	0.00	8.41	0.00	0.00	-0.01	CO19
			0.41	0.00	8.41	0.00	0.00	-0.01	CO19
		M_k	0.41	0.00	8.41	0.00	0.00	-0.01	CO19
			0.41	0.00	8.41	0.00	0.00	-0.01	CO19
		M_y	0.41	0.00	8.41	0.00	0.00	-0.01	CO19
			0.41	0.00	8.41	0.00	0.00	-0.01	CO19
Extremes 136			0.41	0.00	8.41	0.00	0.00	-0.01	
			0.41	0.00	8.41	0.00	0.00	-0.01	
139	SC5 DS5	P_x	0.42	0.00	8.47	0.00	0.00	0.01	CO19
			0.42	0.00	8.47	0.00	0.00	0.01	CO19
		P_y	0.42	0.00	8.47	0.00	0.00	0.01	CO19
			0.42	0.00	8.47	0.00	0.00	0.01	CO19
		P_z	0.42	0.00	8.47	0.00	0.00	0.01	CO19
			0.42	0.00	8.47	0.00	0.00	0.01	CO19
		M_k	0.42	0.00	8.47	0.00	0.00	0.01	CO19
			0.42	0.00	8.47	0.00	0.00	0.01	CO19
		M_y	0.42	0.00	8.47	0.00	0.00	0.01	CO19
			0.42	0.00	8.47	0.00	0.00	0.01	CO19
Extremes 139			0.42	0.00	8.47	0.00	0.00	0.01	
			0.42	0.00	8.47	0.00	0.00	0.01	
142	SC5 DS5	P_x	0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
		P_y	0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
142		P_z	0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
		M_k	0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
		M_y	0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
		M_z	0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
			0.39	0.01	8.16	0.00	0.00	-0.05	CO19
Extremes 142			0.39	0.01	8.16	0.00	0.00	-0.05	
145	DS5	P_x	0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
		P_y	0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
		P_z	0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
		M_k	0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
			0.51	-0.02	9.39	0.00	0.00	0.21	CO19
Extremes 145			0.51	-0.02	9.39	0.00	0.00	0.21	
148	DS5	P_x	0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
		P_y	0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
		P_z	0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
		M_k	0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
			0.53	0.07	3.42	0.00	0.00	-0.44	CO19
Extremes 148			0.53	0.07	3.42	0.00	0.00	-0.44	
149	DS5	P_x	0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
		P_y	0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
		P_z	0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
		M_k	0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
			0.00	0.01	0.08	0.00	0.00	0.01	CO19
Extremes 149			0.00	0.01	0.08	0.00	0.00	0.01	
150	DS5	P_x	-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
		P_y	-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
		P_z	-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
		M_k	-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
			-0.29	-0.02	6.68	0.00	0.00	-0.23	CO19
Extremes 150			-0.29	-0.02	6.68	0.00	0.00	-0.23	
153	DS5	P_x	-0.45	0.01	8.65	0.00	0.00	0.08	CO19
			-0.45	0.01	8.65	0.00	0.00	0.08	CO19
		P_y	-0.45	0.01	8.65	0.00	0.00	0.08	CO19
			-0.45	0.01	8.65	0.00	0.00	0.08	CO19
		P_z	-0.45	0.01	8.65	0.00	0.00	0.08	CO19
			-0.45	0.01	8.65	0.00	0.00	0.08	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
153		M _k	-0.45	0.01	8.65	0.00	0.00	0.08	CO19
			-0.45	0.01	8.65	0.00	0.00	0.08	CO19
		M _y	-0.45	0.01	8.65	0.00	0.00	0.08	CO19
			-0.45	0.01	8.65	0.00	0.00	0.08	CO19
		M _z	-0.45	0.01	8.65	0.00	0.00	0.08	CO19
			-0.45	0.01	8.65	0.00	0.00	0.08	CO19
		Extremes	-0.45	0.01	8.65	0.00	0.00	0.08	CO19
			-0.45	0.01	8.65	0.00	0.00	0.08	CO19
156	DS5	P _x	-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
		P _y	-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
		P _z	-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
		M _k	-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
		M _y	-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
		M _z	-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
			-0.44	0.00	8.54	0.00	0.00	-0.05	CO19
159	DS5	P _x	-0.36	0.01	7.58	0.00	0.00	0.20	CO19
			-0.36	0.01	7.58	0.00	0.00	0.20	CO19
		P _y	-0.36	0.01	7.58	0.00	0.00	0.20	CO19
			-0.36	0.01	7.58	0.00	0.00	0.20	CO19
		P _z	-0.36	0.01	7.58	0.00	0.00	0.20	CO19
			-0.36	0.01	7.58	0.00	0.00	0.20	CO19
		M _k	-0.36	0.01	7.58	0.00	0.00	0.20	CO19
			-0.36	0.01	7.58	0.00	0.00	0.20	CO19
		M _y	-0.36	0.01	7.58	0.00	0.00	0.20	CO19
			-0.36	0.01	7.58	0.00	0.00	0.20	CO19
		M _z	-0.36	0.01	7.58	0.00	0.00	0.20	CO19
			-0.36	0.01	7.58	0.00	0.00	0.20	CO19
162	DS5	P _x	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
		P _y	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
		P _z	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
		M _k	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
		M _y	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
		M _z	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
166	DS5	P _x	-0.43	0.07	7.93	0.00	0.00	1.38	CO19
			-0.43	0.07	7.93	0.00	0.00	1.38	CO19
		P _y	-0.43	0.07	7.93	0.00	0.00	1.38	CO19
			-0.43	0.07	7.93	0.00	0.00	1.38	CO19
		P _z	-0.43	0.07	7.93	0.00	0.00	1.38	CO19
			-0.43	0.07	7.93	0.00	0.00	1.38	CO19
		M _k	-0.43	0.07	7.93	0.00	0.00	1.38	CO19
			-0.43	0.07	7.93	0.00	0.00	1.38	CO19
		M _y	-0.43	0.07	7.93	0.00	0.00	1.38	CO19
			-0.43	0.07	7.93	0.00	0.00	1.38	CO19
		M _z	-0.43	0.07	7.93	0.00	0.00	1.38	CO19
			-0.43	0.07	7.93	0.00	0.00	1.38	CO19
168	DS5	P _x	0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
		P _y	0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
		P _z	0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
		M _k	0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
168		M_y	0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
		M_z	0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
			0.00	0.01	-0.01	0.00	0.00	-0.02	CO19
Extremes 168			0.00	0.01	-0.01	0.00	0.00	-0.02	
169	DS5	P_x	0.58	0.08	3.34	0.00	0.00	-0.60	CO19
			0.58	0.08	3.34	0.00	0.00	-0.60	CO19
		P_y	0.58	0.08	3.34	0.00	0.00	-0.60	CO19
			0.58	0.08	3.34	0.00	0.00	-0.60	CO19
		P_z	0.58	0.08	3.34	0.00	0.00	-0.60	CO19
			0.58	0.08	3.34	0.00	0.00	-0.60	CO19
		M_k	0.58	0.08	3.34	0.00	0.00	-0.60	CO19
			0.58	0.08	3.34	0.00	0.00	-0.60	CO19
		M_y	0.58	0.08	3.34	0.00	0.00	-0.60	CO19
			0.58	0.08	3.34	0.00	0.00	-0.60	CO19
		M_z	0.58	0.08	3.34	0.00	0.00	-0.60	CO19
			0.58	0.08	3.34	0.00	0.00	-0.60	CO19
		Extremes 169	0.58	0.08	3.34	0.00	0.00	-0.60	
			0.58	0.08	3.34	0.00	0.00	-0.60	
170	DS5	P_x	0.31	-0.02	6.48	0.00	0.00	0.27	CO19
			0.31	-0.02	6.48	0.00	0.00	0.27	CO19
		P_y	0.31	-0.02	6.48	0.00	0.00	0.27	CO19
			0.31	-0.02	6.48	0.00	0.00	0.27	CO19
		P_z	0.31	-0.02	6.48	0.00	0.00	0.27	CO19
			0.31	-0.02	6.48	0.00	0.00	0.27	CO19
		M_k	0.31	-0.02	6.48	0.00	0.00	0.27	CO19
			0.31	-0.02	6.48	0.00	0.00	0.27	CO19
		M_y	0.31	-0.02	6.48	0.00	0.00	0.27	CO19
			0.31	-0.02	6.48	0.00	0.00	0.27	CO19
		M_z	0.31	-0.02	6.48	0.00	0.00	0.27	CO19
			0.31	-0.02	6.48	0.00	0.00	0.27	CO19
		Extremes 170	0.31	-0.02	6.48	0.00	0.00	0.27	
			0.31	-0.02	6.48	0.00	0.00	0.27	
173	DS5	P_x	0.43	0.01	8.32	0.00	0.00	-0.08	CO19
			0.43	0.01	8.32	0.00	0.00	-0.08	CO19
		P_y	0.43	0.01	8.32	0.00	0.00	-0.08	CO19
			0.43	0.01	8.32	0.00	0.00	-0.08	CO19
		P_z	0.43	0.01	8.32	0.00	0.00	-0.08	CO19
			0.43	0.01	8.32	0.00	0.00	-0.08	CO19
		M_k	0.43	0.01	8.32	0.00	0.00	-0.08	CO19
			0.43	0.01	8.32	0.00	0.00	-0.08	CO19
		M_y	0.43	0.01	8.32	0.00	0.00	-0.08	CO19
			0.43	0.01	8.32	0.00	0.00	-0.08	CO19
		M_z	0.43	0.01	8.32	0.00	0.00	-0.08	CO19
			0.43	0.01	8.32	0.00	0.00	-0.08	CO19
		Extremes 173	0.43	0.01	8.32	0.00	0.00	-0.08	
			0.43	0.01	8.32	0.00	0.00	-0.08	
176	DS5	P_x	0.40	0.00	7.95	0.00	0.00	0.02	CO19
			0.40	0.00	7.95	0.00	0.00	0.02	CO19
		P_y	0.40	0.00	7.95	0.00	0.00	0.02	CO19
			0.40	0.00	7.95	0.00	0.00	0.02	CO19
		P_z	0.40	0.00	7.95	0.00	0.00	0.02	CO19
			0.40	0.00	7.95	0.00	0.00	0.02	CO19
		M_k	0.40	0.00	7.95	0.00	0.00	0.02	CO19
			0.40	0.00	7.95	0.00	0.00	0.02	CO19
		M_y	0.40	0.00	7.95	0.00	0.00	0.02	CO19
			0.40	0.00	7.95	0.00	0.00	0.02	CO19
		M_z	0.40	0.00	7.95	0.00	0.00	0.02	CO19
			0.40	0.00	7.95	0.00	0.00	0.02	CO19
		Extremes 176	0.40	0.00	7.95	0.00	0.00	0.02	
			0.40	0.00	7.95	0.00	0.00	0.02	
179	DS5	P_x	0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
		P_y	0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
		P_z	0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
		M_k	0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
		M_y	0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	CO19

RESULTS

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
179		M_z	0.41	0.00	8.02	0.00	0.00	-0.01	CO19
Extremes 179			0.41	0.00	8.02	0.00	0.00	-0.01	CO19
			0.41	0.00	8.02	0.00	0.00	-0.01	
			0.41	0.00	8.02	0.00	0.00	-0.01	
			0.41	0.00	8.02	0.00	0.00	-0.01	
182	DS5	P_x	0.41	0.00	8.08	0.00	0.00	0.02	CO19
			0.41	0.00	8.08	0.00	0.00	0.02	CO19
		P_y	0.41	0.00	8.08	0.00	0.00	0.02	CO19
			0.41	0.00	8.08	0.00	0.00	0.02	CO19
		P_z	0.41	0.00	8.08	0.00	0.00	0.02	CO19
			0.41	0.00	8.08	0.00	0.00	0.02	CO19
		M_k	0.41	0.00	8.08	0.00	0.00	0.02	CO19
			0.41	0.00	8.08	0.00	0.00	0.02	CO19
		M_y	0.41	0.00	8.08	0.00	0.00	0.02	CO19
			0.41	0.00	8.08	0.00	0.00	0.02	CO19
		M_z	0.41	0.00	8.08	0.00	0.00	0.02	CO19
			0.41	0.00	8.08	0.00	0.00	0.02	CO19
Extremes 182			0.41	0.00	8.08	0.00	0.00	0.02	
			0.41	0.00	8.08	0.00	0.00	0.02	
			0.41	0.00	8.08	0.00	0.00	0.02	
			0.41	0.00	8.08	0.00	0.00	0.02	
185	DS5	P_x	0.38	0.00	7.75	0.00	0.00	-0.07	CO19
			0.38	0.00	7.75	0.00	0.00	-0.07	CO19
		P_y	0.38	0.00	7.75	0.00	0.00	-0.07	CO19
			0.38	0.00	7.75	0.00	0.00	-0.07	CO19
		P_z	0.38	0.00	7.75	0.00	0.00	-0.07	CO19
			0.38	0.00	7.75	0.00	0.00	-0.07	CO19
		M_k	0.38	0.00	7.75	0.00	0.00	-0.07	CO19
			0.38	0.00	7.75	0.00	0.00	-0.07	CO19
		M_y	0.38	0.00	7.75	0.00	0.00	-0.07	CO19
			0.38	0.00	7.75	0.00	0.00	-0.07	CO19
		M_z	0.38	0.00	7.75	0.00	0.00	-0.07	CO19
			0.38	0.00	7.75	0.00	0.00	-0.07	CO19
Extremes 185			0.38	0.00	7.75	0.00	0.00	-0.07	
			0.38	0.00	7.75	0.00	0.00	-0.07	
			0.38	0.00	7.75	0.00	0.00	-0.07	
			0.38	0.00	7.75	0.00	0.00	-0.07	
188	DS5	P_x	0.51	-0.02	9.08	0.00	0.00	0.26	CO19
			0.51	-0.02	9.08	0.00	0.00	0.26	CO19
		P_y	0.51	-0.02	9.08	0.00	0.00	0.26	CO19
			0.51	-0.02	9.08	0.00	0.00	0.26	CO19
		P_z	0.51	-0.02	9.08	0.00	0.00	0.26	CO19
			0.51	-0.02	9.08	0.00	0.00	0.26	CO19
		M_k	0.51	-0.02	9.08	0.00	0.00	0.26	CO19
			0.51	-0.02	9.08	0.00	0.00	0.26	CO19
		M_y	0.51	-0.02	9.08	0.00	0.00	0.26	CO19
			0.51	-0.02	9.08	0.00	0.00	0.26	CO19
		M_z	0.51	-0.02	9.08	0.00	0.00	0.26	CO19
			0.51	-0.02	9.08	0.00	0.00	0.26	CO19
Extremes 188			0.51	-0.02	9.08	0.00	0.00	0.26	
			0.51	-0.02	9.08	0.00	0.00	0.26	
			0.51	-0.02	9.08	0.00	0.00	0.26	
			0.51	-0.02	9.08	0.00	0.00	0.26	
191	DS5	P_x	-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
		P_y	-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
		P_z	-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
		M_k	-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
		M_y	-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
		M_z	-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
Extremes 191			-0.01	0.01	-0.02	0.00	0.00	0.02	
			-0.01	0.01	-0.02	0.00	0.00	0.02	
			-0.01	0.01	-0.02	0.00	0.00	0.02	
			-0.01	0.01	-0.02	0.00	0.00	0.02	
192	DS5	P_x	-0.48	0.08	3.49	0.00	0.00	0.54	CO19
			-0.48	0.08	3.49	0.00	0.00	0.54	CO19
		P_y	-0.48	0.08	3.49	0.00	0.00	0.54	CO19
			-0.48	0.08	3.49	0.00	0.00	0.54	CO19
		P_z	-0.48	0.08	3.49	0.00	0.00	0.54	CO19
			-0.48	0.08	3.49	0.00	0.00	0.54	CO19
		M_k	-0.48	0.08	3.49	0.00	0.00	0.54	CO19
			-0.48	0.08	3.49	0.00	0.00	0.54	CO19
		M_y	-0.48	0.08	3.49	0.00	0.00	0.54	CO19
			-0.48	0.08	3.49	0.00	0.00	0.54	CO19
		M_z	-0.48	0.08	3.49	0.00	0.00	0.54	CO19
			-0.48	0.08	3.49	0.00	0.00	0.54	CO19



Model:

VDC Kranj - statična preverba
strehe

Project:

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strehe

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Sheet 1

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 192			-0.48	0.08	3.49	0.00	0.00	0.54	
			-0.48	0.08	3.49	0.00	0.00	0.54	
193	SC5 DS5	P _x	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
		P _y	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
		P _z	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
		M _x	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
		M _y	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
		M _z	-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
			-0.24	-0.02	6.72	0.00	0.00	-0.22	CO19
			-0.24	-0.02	6.72	0.00	0.00	-0.22	
			-0.24	-0.02	6.72	0.00	0.00	-0.22	
Extremes 193			-0.24	-0.02	6.72	0.00	0.00	-0.22	
			-0.24	-0.02	6.72	0.00	0.00	-0.22	
196	SC5 DS5	P _x	-0.30	0.01	8.64	0.00	0.00	0.07	CO19
			-0.30	0.01	8.64	0.00	0.00	0.07	CO19
		P _y	-0.30	0.01	8.64	0.00	0.00	0.07	CO19
			-0.30	0.01	8.64	0.00	0.00	0.07	CO19
		P _z	-0.30	0.01	8.64	0.00	0.00	0.07	CO19
			-0.30	0.01	8.64	0.00	0.00	0.07	CO19
		M _x	-0.30	0.01	8.64	0.00	0.00	0.07	CO19
			-0.30	0.01	8.64	0.00	0.00	0.07	CO19
		M _y	-0.30	0.01	8.64	0.00	0.00	0.07	CO19
			-0.30	0.01	8.64	0.00	0.00	0.07	CO19
		M _z	-0.30	0.01	8.64	0.00	0.00	0.07	CO19
			-0.30	0.01	8.64	0.00	0.00	0.07	CO19
			-0.30	0.01	8.64	0.00	0.00	0.07	
			-0.30	0.01	8.64	0.00	0.00	0.07	
Extremes 196			-0.30	0.01	8.64	0.00	0.00	0.07	
			-0.30	0.01	8.64	0.00	0.00	0.07	
199	SC5 DS5	P _x	-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
		P _y	-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
		P _z	-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
		M _x	-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
		M _y	-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
		M _z	-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
			-0.28	0.00	8.24	0.00	0.00	-0.02	CO19
			-0.28	0.00	8.24	0.00	0.00	-0.02	
			-0.28	0.00	8.24	0.00	0.00	-0.02	
Extremes 199			-0.28	0.00	8.24	0.00	0.00	-0.02	
			-0.28	0.00	8.24	0.00	0.00	-0.02	
202	SC5 DS5	P _x	-0.28	0.00	8.32	0.00	0.00	0.01	CO19
			-0.28	0.00	8.32	0.00	0.00	0.01	CO19
		P _y	-0.28	0.00	8.32	0.00	0.00	0.01	CO19
			-0.28	0.00	8.32	0.00	0.00	0.01	CO19
		P _z	-0.28	0.00	8.32	0.00	0.00	0.01	CO19
			-0.28	0.00	8.32	0.00	0.00	0.01	CO19
		M _x	-0.28	0.00	8.32	0.00	0.00	0.01	CO19
			-0.28	0.00	8.32	0.00	0.00	0.01	CO19
		M _y	-0.28	0.00	8.32	0.00	0.00	0.01	CO19
			-0.28	0.00	8.32	0.00	0.00	0.01	CO19
		M _z	-0.28	0.00	8.32	0.00	0.00	0.01	CO19
			-0.28	0.00	8.32	0.00	0.00	0.01	CO19
			-0.28	0.00	8.32	0.00	0.00	0.01	
			-0.28	0.00	8.32	0.00	0.00	0.01	
Extremes 202			-0.28	0.00	8.32	0.00	0.00	0.01	
			-0.28	0.00	8.32	0.00	0.00	0.01	
205	SC5 DS5	P _x	-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
		P _y	-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
		P _z	-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
		M _x	-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
		M _y	-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
		M _z	-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
			-0.29	0.00	8.39	0.00	0.00	-0.02	CO19
			-0.29	0.00	8.39	0.00	0.00	-0.02	
			-0.29	0.00	8.39	0.00	0.00	-0.02	
Extremes 205			-0.29	0.00	8.39	0.00	0.00	-0.02	
			-0.29	0.00	8.39	0.00	0.00	-0.02	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
208	DS5	P_x	-0.26	0.00	8.04	0.00	0.00	0.07	CO19
			-0.26	0.00	8.04	0.00	0.00	0.07	CO19
		P_y	-0.26	0.00	8.04	0.00	0.00	0.07	CO19
			-0.26	0.00	8.04	0.00	0.00	0.07	CO19
		P_z	-0.26	0.00	8.04	0.00	0.00	0.07	CO19
			-0.26	0.00	8.04	0.00	0.00	0.07	CO19
		M_k	-0.26	0.00	8.04	0.00	0.00	0.07	CO19
			-0.26	0.00	8.04	0.00	0.00	0.07	CO19
		M_y	-0.26	0.00	8.04	0.00	0.00	0.07	CO19
			-0.26	0.00	8.04	0.00	0.00	0.07	CO19
		M_z	-0.26	0.00	8.04	0.00	0.00	0.07	CO19
			-0.26	0.00	8.04	0.00	0.00	0.07	CO19
		Extremes	-0.26	0.00	8.04	0.00	0.00	0.07	CO19
			-0.26	0.00	8.04	0.00	0.00	0.07	CO19
211	DS5	P_x	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
		P_y	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
		P_z	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
		M_k	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
		M_y	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
		M_z	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
		Extremes	-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
			-0.36	-0.02	9.44	0.00	0.00	-0.25	CO19
214	DS5	P_x	0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
		P_y	0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
		P_z	0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
		M_k	0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
		M_y	0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
		M_z	0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
		Extremes	0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
			0.01	0.01	-0.02	0.00	0.00	-0.02	CO19
215	DS5	P_x	0.48	0.08	3.49	0.00	0.00	-0.54	CO19
			0.48	0.08	3.49	0.00	0.00	-0.54	CO19
		P_y	0.48	0.08	3.49	0.00	0.00	-0.54	CO19
			0.48	0.08	3.49	0.00	0.00	-0.54	CO19
		P_z	0.48	0.08	3.49	0.00	0.00	-0.54	CO19
			0.48	0.08	3.49	0.00	0.00	-0.54	CO19
		M_k	0.48	0.08	3.49	0.00	0.00	-0.54	CO19
			0.48	0.08	3.49	0.00	0.00	-0.54	CO19
		M_y	0.48	0.08	3.49	0.00	0.00	-0.54	CO19
			0.48	0.08	3.49	0.00	0.00	-0.54	CO19
		M_z	0.48	0.08	3.49	0.00	0.00	-0.54	CO19
			0.48	0.08	3.49	0.00	0.00	-0.54	CO19
		Extremes	0.48	0.08	3.49	0.00	0.00	-0.54	CO19
			0.48	0.08	3.49	0.00	0.00	-0.54	CO19
216	DS5	P_x	0.24	-0.02	6.72	0.00	0.00	0.22	CO19
			0.24	-0.02	6.72	0.00	0.00	0.22	CO19
		P_y	0.24	-0.02	6.72	0.00	0.00	0.22	CO19
			0.24	-0.02	6.72	0.00	0.00	0.22	CO19
		P_z	0.24	-0.02	6.72	0.00	0.00	0.22	CO19
			0.24	-0.02	6.72	0.00	0.00	0.22	CO19
		M_k	0.24	-0.02	6.72	0.00	0.00	0.22	CO19
			0.24	-0.02	6.72	0.00	0.00	0.22	CO19
		M_y	0.24	-0.02	6.72	0.00	0.00	0.22	CO19
			0.24	-0.02	6.72	0.00	0.00	0.22	CO19
		M_z	0.24	-0.02	6.72	0.00	0.00	0.22	CO19
			0.24	-0.02	6.72	0.00	0.00	0.22	CO19
		Extremes	0.24	-0.02	6.72	0.00	0.00	0.22	CO19
			0.24	-0.02	6.72	0.00	0.00	0.22	CO19
219	DS5	P_x	0.30	0.01	8.64	0.00	0.00	-0.07	CO19
			0.30	0.01	8.64	0.00	0.00	-0.07	CO19

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
219		P_y	0.30	0.01	8.64	0.00	0.00	-0.07	CO19
			0.30	0.01	8.64	0.00	0.00	-0.07	CO19
		P_z	0.30	0.01	8.64	0.00	0.00	-0.07	CO19
			0.30	0.01	8.64	0.00	0.00	-0.07	CO19
		M_k	0.30	0.01	8.64	0.00	0.00	-0.07	CO19
			0.30	0.01	8.64	0.00	0.00	-0.07	CO19
		M_y	0.30	0.01	8.64	0.00	0.00	-0.07	CO19
			0.30	0.01	8.64	0.00	0.00	-0.07	CO19
		M_z	0.30	0.01	8.64	0.00	0.00	-0.07	CO19
			0.30	0.01	8.64	0.00	0.00	-0.07	CO19
Extremes 219			0.30	0.01	8.64	0.00	0.00	-0.07	
222	DS5	P_x	0.28	0.00	8.25	0.00	0.00	0.02	CO19
			0.28	0.00	8.25	0.00	0.00	0.02	CO19
		P_y	0.28	0.00	8.25	0.00	0.00	0.02	CO19
			0.28	0.00	8.25	0.00	0.00	0.02	CO19
		P_z	0.28	0.00	8.25	0.00	0.00	0.02	CO19
			0.28	0.00	8.25	0.00	0.00	0.02	CO19
		M_k	0.28	0.00	8.25	0.00	0.00	0.02	CO19
			0.28	0.00	8.25	0.00	0.00	0.02	CO19
		M_y	0.28	0.00	8.25	0.00	0.00	0.02	CO19
			0.28	0.00	8.25	0.00	0.00	0.02	CO19
Extremes 222			0.28	0.00	8.25	0.00	0.00	0.02	
225	DS5	P_x	0.28	0.00	8.32	0.00	0.00	-0.01	CO19
			0.28	0.00	8.32	0.00	0.00	-0.01	CO19
		P_y	0.28	0.00	8.32	0.00	0.00	-0.01	CO19
			0.28	0.00	8.32	0.00	0.00	-0.01	CO19
		P_z	0.28	0.00	8.32	0.00	0.00	-0.01	CO19
			0.28	0.00	8.32	0.00	0.00	-0.01	CO19
		M_k	0.28	0.00	8.32	0.00	0.00	-0.01	CO19
			0.28	0.00	8.32	0.00	0.00	-0.01	CO19
		M_y	0.28	0.00	8.32	0.00	0.00	-0.01	CO19
			0.28	0.00	8.32	0.00	0.00	-0.01	CO19
Extremes 225			0.28	0.00	8.32	0.00	0.00	-0.01	
228	DS5	P_x	0.29	0.00	8.39	0.00	0.00	0.02	CO19
			0.29	0.00	8.39	0.00	0.00	0.02	CO19
		P_y	0.29	0.00	8.39	0.00	0.00	0.02	CO19
			0.29	0.00	8.39	0.00	0.00	0.02	CO19
		P_z	0.29	0.00	8.39	0.00	0.00	0.02	CO19
			0.29	0.00	8.39	0.00	0.00	0.02	CO19
		M_k	0.29	0.00	8.39	0.00	0.00	0.02	CO19
			0.29	0.00	8.39	0.00	0.00	0.02	CO19
		M_y	0.29	0.00	8.39	0.00	0.00	0.02	CO19
			0.29	0.00	8.39	0.00	0.00	0.02	CO19
Extremes 228			0.29	0.00	8.39	0.00	0.00	0.02	
231	DS5	P_x	0.26	0.00	8.04	0.00	0.00	-0.06	CO19
			0.26	0.00	8.04	0.00	0.00	-0.06	CO19
		P_y	0.26	0.00	8.04	0.00	0.00	-0.06	CO19
			0.26	0.00	8.04	0.00	0.00	-0.06	CO19
		P_z	0.26	0.00	8.04	0.00	0.00	-0.06	CO19
			0.26	0.00	8.04	0.00	0.00	-0.06	CO19
		M_k	0.26	0.00	8.04	0.00	0.00	-0.06	CO19
			0.26	0.00	8.04	0.00	0.00	-0.06	CO19
		M_y	0.26	0.00	8.04	0.00	0.00	-0.06	CO19
			0.26	0.00	8.04	0.00	0.00	-0.06	CO19
Extremes 231			0.26	0.00	8.04	0.00	0.00	-0.06	
234	DS5	P_x	0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
		P_y	0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
234		P_z	0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
		M_k	0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
		M_y	0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
		M_z	0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
			0.36	-0.02	9.44	0.00	0.00	0.25	CO19
Extremes 234			0.36	-0.02	9.44	0.00	0.00	0.25	
237	DS5	P_x	0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
		P_y	0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
		P_z	0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
		M_k	0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
			0.43	0.01	0.19	0.00	0.00	0.01	CO19
Extremes 237			0.43	0.01	0.19	0.00	0.00	0.01	
238	DS5	P_x	0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
		P_y	0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
		P_z	0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
		M_k	0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
			0.04	0.07	3.13	0.00	0.00	0.25	CO19
Extremes 238			0.04	0.07	3.13	0.00	0.00	0.25	
239	DS5	P_x	0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
		P_y	0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
		P_z	0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
		M_k	0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
			0.90	-0.02	6.33	0.00	0.00	-0.10	CO19
Extremes 239			0.90	-0.02	6.33	0.00	0.00	-0.10	
242	DS5	P_x	0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
		P_y	0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
		P_z	0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
		M_k	0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
			0.78	0.01	8.12	0.00	0.00	0.04	CO19
Extremes 242			0.78	0.01	8.12	0.00	0.00	0.04	
245	DS5	P_x	0.81	0.00	7.84	0.00	0.00	-0.01	CO19
			0.81	0.00	7.84	0.00	0.00	-0.01	CO19
		P_y	0.81	0.00	7.84	0.00	0.00	-0.01	CO19
			0.81	0.00	7.84	0.00	0.00	-0.01	CO19
		P_z	0.81	0.00	7.84	0.00	0.00	-0.01	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
245		M _k	0.81	0.00	7.84	0.00	0.00	-0.01	CO19
			0.81	0.00	7.84	0.00	0.00	-0.01	CO19
		M _y	0.81	0.00	7.84	0.00	0.00	-0.01	CO19
			0.81	0.00	7.84	0.00	0.00	-0.01	CO19
		M _z	0.81	0.00	7.84	0.00	0.00	-0.01	CO19
			0.81	0.00	7.84	0.00	0.00	-0.01	CO19
		Extremes	0.81	0.00	7.84	0.00	0.00	-0.01	CO19
			0.81	0.00	7.84	0.00	0.00	-0.01	CO19
		245	0.81	0.00	7.84	0.00	0.00	-0.01	CO19
			0.81	0.00	7.84	0.00	0.00	-0.01	CO19
248	DS5	P _x	0.81	0.00	7.89	0.00	0.00	0.00	CO19
			0.81	0.00	7.89	0.00	0.00	0.00	CO19
		P _y	0.81	0.00	7.89	0.00	0.00	0.00	CO19
			0.81	0.00	7.89	0.00	0.00	0.00	CO19
		P _z	0.81	0.00	7.89	0.00	0.00	0.00	CO19
			0.81	0.00	7.89	0.00	0.00	0.00	CO19
		M _k	0.81	0.00	7.89	0.00	0.00	0.00	CO19
			0.81	0.00	7.89	0.00	0.00	0.00	CO19
		M _y	0.81	0.00	7.89	0.00	0.00	0.00	CO19
			0.81	0.00	7.89	0.00	0.00	0.00	CO19
		M _z	0.81	0.00	7.89	0.00	0.00	0.00	CO19
			0.81	0.00	7.89	0.00	0.00	0.00	CO19
		Extremes	0.81	0.00	7.89	0.00	0.00	0.00	CO19
			0.81	0.00	7.89	0.00	0.00	0.00	CO19
251	DS5	P _x	0.80	0.00	7.93	0.00	0.00	-0.01	CO19
			0.80	0.00	7.93	0.00	0.00	-0.01	CO19
		P _y	0.80	0.00	7.93	0.00	0.00	-0.01	CO19
			0.80	0.00	7.93	0.00	0.00	-0.01	CO19
		P _z	0.80	0.00	7.93	0.00	0.00	-0.01	CO19
			0.80	0.00	7.93	0.00	0.00	-0.01	CO19
		M _k	0.80	0.00	7.93	0.00	0.00	-0.01	CO19
			0.80	0.00	7.93	0.00	0.00	-0.01	CO19
		M _y	0.80	0.00	7.93	0.00	0.00	-0.01	CO19
			0.80	0.00	7.93	0.00	0.00	-0.01	CO19
		M _z	0.80	0.00	7.93	0.00	0.00	-0.01	CO19
			0.80	0.00	7.93	0.00	0.00	-0.01	CO19
		Extremes	0.80	0.00	7.93	0.00	0.00	-0.01	CO19
			0.80	0.00	7.93	0.00	0.00	-0.01	CO19
254	DS5	P _x	0.84	0.01	7.71	0.00	0.00	0.03	CO19
			0.84	0.01	7.71	0.00	0.00	0.03	CO19
		P _y	0.84	0.01	7.71	0.00	0.00	0.03	CO19
			0.84	0.01	7.71	0.00	0.00	0.03	CO19
		P _z	0.84	0.01	7.71	0.00	0.00	0.03	CO19
			0.84	0.01	7.71	0.00	0.00	0.03	CO19
		M _k	0.84	0.01	7.71	0.00	0.00	0.03	CO19
			0.84	0.01	7.71	0.00	0.00	0.03	CO19
		M _y	0.84	0.01	7.71	0.00	0.00	0.03	CO19
			0.84	0.01	7.71	0.00	0.00	0.03	CO19
		M _z	0.84	0.01	7.71	0.00	0.00	0.03	CO19
			0.84	0.01	7.71	0.00	0.00	0.03	CO19
		Extremes	0.84	0.01	7.71	0.00	0.00	0.03	CO19
			0.84	0.01	7.71	0.00	0.00	0.03	CO19
257	DS5	P _x	0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
		P _y	0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
		P _z	0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
		M _k	0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
		M _y	0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
		M _z	0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
		Extremes	0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
			0.70	-0.02	8.67	0.00	0.00	-0.13	CO19
260	DS5	P _x	-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
		P _y	-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
		P _z	-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
		M _k	-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
		Extremes	-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
260		M _y	-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
		M _z	-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
			-0.43	0.01	0.19	0.00	0.00	-0.01	CO19
Extremes 260			-0.43	0.01	0.19	0.00	0.00	-0.01	
261	DS5	P _x	-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
		P _y	-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
		P _z	-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
		M _x	-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
		M _y	-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
		M _z	-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
			-0.04	0.07	3.13	0.00	0.00	-0.25	CO19
			-0.04	0.07	3.13	0.00	0.00	-0.25	
			-0.04	0.07	3.13	0.00	0.00	-0.25	
Extremes 261			-0.04	0.07	3.13	0.00	0.00	-0.25	
262	DS5	P _x	-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
		P _y	-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
		P _z	-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
		M _x	-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
		M _y	-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
		M _z	-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
			-0.90	-0.02	6.33	0.00	0.00	0.10	CO19
			-0.90	-0.02	6.33	0.00	0.00	0.10	
			-0.90	-0.02	6.33	0.00	0.00	0.10	
Extremes 262			-0.90	-0.02	6.33	0.00	0.00	0.10	
265	DS5	P _x	-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
		P _y	-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
		P _z	-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
		M _x	-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
		M _y	-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
		M _z	-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
			-0.78	0.01	8.12	0.00	0.00	-0.04	CO19
			-0.78	0.01	8.12	0.00	0.00	-0.04	
			-0.78	0.01	8.12	0.00	0.00	-0.04	
Extremes 265			-0.78	0.01	8.12	0.00	0.00	-0.04	
268	DS5	P _x	-0.81	0.00	7.84	0.00	0.00	0.01	CO19
			-0.81	0.00	7.84	0.00	0.00	0.01	CO19
		P _y	-0.81	0.00	7.84	0.00	0.00	0.01	CO19
			-0.81	0.00	7.84	0.00	0.00	0.01	CO19
		P _z	-0.81	0.00	7.84	0.00	0.00	0.01	CO19
			-0.81	0.00	7.84	0.00	0.00	0.01	CO19
		M _x	-0.81	0.00	7.84	0.00	0.00	0.01	CO19
			-0.81	0.00	7.84	0.00	0.00	0.01	CO19
		M _y	-0.81	0.00	7.84	0.00	0.00	0.01	CO19
			-0.81	0.00	7.84	0.00	0.00	0.01	CO19
		M _z	-0.81	0.00	7.84	0.00	0.00	0.01	CO19
			-0.81	0.00	7.84	0.00	0.00	0.01	CO19
			-0.81	0.00	7.84	0.00	0.00	0.01	
			-0.81	0.00	7.84	0.00	0.00	0.01	
Extremes 268			-0.81	0.00	7.84	0.00	0.00	0.01	
271	DS5	P _x	-0.81	0.00	7.89	0.00	0.00	0.00	CO19
			-0.81	0.00	7.89	0.00	0.00	0.00	CO19
		P _y	-0.81	0.00	7.89	0.00	0.00	0.00	CO19
			-0.81	0.00	7.89	0.00	0.00	0.00	CO19
		P _z	-0.81	0.00	7.89	0.00	0.00	0.00	CO19
			-0.81	0.00	7.89	0.00	0.00	0.00	CO19
		M _x	-0.81	0.00	7.89	0.00	0.00	0.00	CO19
			-0.81	0.00	7.89	0.00	0.00	0.00	CO19
		M _y	-0.81	0.00	7.89	0.00	0.00	0.00	CO19
			-0.81	0.00	7.89	0.00	0.00	0.00	CO19

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
271		M_z	-0.81	0.00	7.89	0.00	0.00	0.00	CO19
Extremes 271			-0.81	0.00	7.89	0.00	0.00	0.00	CO19
			-0.81	0.00	7.89	0.00	0.00	0.00	
			-0.81	0.00	7.89	0.00	0.00	0.00	
			-0.81	0.00	7.89	0.00	0.00	0.00	
274	DS5	P_x	-0.80	0.00	7.93	0.00	0.00	0.01	CO19
			-0.80	0.00	7.93	0.00	0.00	0.01	CO19
		P_y	-0.80	0.00	7.93	0.00	0.00	0.01	CO19
			-0.80	0.00	7.93	0.00	0.00	0.01	CO19
		P_z	-0.80	0.00	7.93	0.00	0.00	0.01	CO19
			-0.80	0.00	7.93	0.00	0.00	0.01	CO19
		M_k	-0.80	0.00	7.93	0.00	0.00	0.01	CO19
			-0.80	0.00	7.93	0.00	0.00	0.01	CO19
		M_y	-0.80	0.00	7.93	0.00	0.00	0.01	CO19
			-0.80	0.00	7.93	0.00	0.00	0.01	CO19
		M_z	-0.80	0.00	7.93	0.00	0.00	0.01	CO19
			-0.80	0.00	7.93	0.00	0.00	0.01	CO19
Extremes 274			-0.80	0.00	7.93	0.00	0.00	0.01	CO19
			-0.80	0.00	7.93	0.00	0.00	0.01	
			-0.80	0.00	7.93	0.00	0.00	0.01	
			-0.80	0.00	7.93	0.00	0.00	0.01	
277	DS5	P_x	-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
		P_y	-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
		P_z	-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
		M_k	-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
		M_y	-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
		M_z	-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
			-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
Extremes 277			-0.84	0.01	7.71	0.00	0.00	-0.03	CO19
			-0.84	0.01	7.71	0.00	0.00	-0.03	
			-0.84	0.01	7.71	0.00	0.00	-0.03	
			-0.84	0.01	7.71	0.00	0.00	-0.03	
280	DS5	P_x	-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
		P_y	-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
		P_z	-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
		M_k	-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
		M_y	-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
		M_z	-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
			-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
Extremes 280			-0.70	-0.02	8.67	0.00	0.00	0.13	CO19
			-0.70	-0.02	8.67	0.00	0.00	0.13	
			-0.70	-0.02	8.67	0.00	0.00	0.13	
			-0.70	-0.02	8.67	0.00	0.00	0.13	
283	DS5	P_x	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
		P_y	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
		P_z	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
		M_k	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
		M_y	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
		M_z	0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
Extremes 283			0.00	-0.07	-0.01	0.00	0.00	-0.03	CO19
			0.00	-0.07	-0.01	0.00	0.00	-0.03	
			0.00	-0.07	-0.01	0.00	0.00	-0.03	
			0.00	-0.07	-0.01	0.00	0.00	-0.03	
285	DS5	P_x	-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
		P_y	-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
		P_z	-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
		M_k	-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
		M_y	-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
		M_z	-0.11	0.01	7.04	0.00	0.00	-0.24	CO19
			-0.11	0.01	7.04	0.00	0.00	-0.24	CO19



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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Sheet 1

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 285			-0.11	0.01	7.04	0.00	0.00	-0.24	
			-0.11	0.01	7.04	0.00	0.00	-0.24	
288	DS5	P _x	-0.37	0.00	8.18	0.00	0.00	0.06	CO19
			-0.37	0.00	8.18	0.00	0.00	0.06	CO19
		P _y	-0.37	0.00	8.18	0.00	0.00	0.06	CO19
			-0.37	0.00	8.18	0.00	0.00	0.06	CO19
		P _z	-0.37	0.00	8.18	0.00	0.00	0.06	CO19
			-0.37	0.00	8.18	0.00	0.00	0.06	CO19
		M _k	-0.37	0.00	8.18	0.00	0.00	0.06	CO19
			-0.37	0.00	8.18	0.00	0.00	0.06	CO19
		M _y	-0.37	0.00	8.18	0.00	0.00	0.06	CO19
			-0.37	0.00	8.18	0.00	0.00	0.06	CO19
		M _z	-0.37	0.00	8.18	0.00	0.00	0.06	CO19
			-0.37	0.00	8.18	0.00	0.00	0.06	CO19
			-0.37	0.00	8.18	0.00	0.00	0.06	
			-0.37	0.00	8.18	0.00	0.00	0.06	
Extremes 288			-0.37	0.00	8.18	0.00	0.00	0.06	
			-0.37	0.00	8.18	0.00	0.00	0.06	
291	DS5	P _x	-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
		P _y	-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
		P _z	-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
		M _k	-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
		M _y	-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
		M _z	-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
			-0.34	0.00	8.09	0.00	0.00	-0.04	CO19
			-0.34	0.00	8.09	0.00	0.00	-0.04	
			-0.34	0.00	8.09	0.00	0.00	-0.04	
Extremes 291			-0.34	0.00	8.09	0.00	0.00	-0.04	
			-0.34	0.00	8.09	0.00	0.00	-0.04	
294	DS5	P _x	-0.30	0.00	7.59	0.00	0.00	0.11	CO19
			-0.30	0.00	7.59	0.00	0.00	0.11	CO19
		P _y	-0.30	0.00	7.59	0.00	0.00	0.11	CO19
			-0.30	0.00	7.59	0.00	0.00	0.11	CO19
		P _z	-0.30	0.00	7.59	0.00	0.00	0.11	CO19
			-0.30	0.00	7.59	0.00	0.00	0.11	CO19
		M _k	-0.30	0.00	7.59	0.00	0.00	0.11	CO19
			-0.30	0.00	7.59	0.00	0.00	0.11	CO19
		M _y	-0.30	0.00	7.59	0.00	0.00	0.11	CO19
			-0.30	0.00	7.59	0.00	0.00	0.11	CO19
		M _z	-0.30	0.00	7.59	0.00	0.00	0.11	CO19
			-0.30	0.00	7.59	0.00	0.00	0.11	CO19
			-0.30	0.00	7.59	0.00	0.00	0.11	
			-0.30	0.00	7.59	0.00	0.00	0.11	
Extremes 294			-0.30	0.00	7.59	0.00	0.00	0.11	
			-0.30	0.00	7.59	0.00	0.00	0.11	
297	DS5	P _x	-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
		P _y	-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
		P _z	-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
		M _k	-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
		M _y	-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
		M _z	-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
			-0.44	0.01	9.55	0.00	0.00	-0.48	CO19
			-0.44	0.01	9.55	0.00	0.00	-0.48	
			-0.44	0.01	9.55	0.00	0.00	-0.48	
Extremes 297			-0.44	0.01	9.55	0.00	0.00	-0.48	
			-0.44	0.01	9.55	0.00	0.00	-0.48	
301	DS5	P _x	-0.19	0.04	7.97	0.00	0.00	0.94	CO19
			-0.19	0.04	7.97	0.00	0.00	0.94	CO19
		P _y	-0.19	0.04	7.97	0.00	0.00	0.94	CO19
			-0.19	0.04	7.97	0.00	0.00	0.94	CO19
		P _z	-0.19	0.04	7.97	0.00	0.00	0.94	CO19
			-0.19	0.04	7.97	0.00	0.00	0.94	CO19
		M _k	-0.19	0.04	7.97	0.00	0.00	0.94	CO19
			-0.19	0.04	7.97	0.00	0.00	0.94	CO19
		M _y	-0.19	0.04	7.97	0.00	0.00	0.94	CO19
			-0.19	0.04	7.97	0.00	0.00	0.94	CO19
		M _z	-0.19	0.04	7.97	0.00	0.00	0.94	CO19
			-0.19	0.04	7.97	0.00	0.00	0.94	CO19
			-0.19	0.04	7.97	0.00	0.00	0.94	
			-0.19	0.04	7.97	0.00	0.00	0.94	
Extremes 301			-0.19	0.04	7.97	0.00	0.00	0.94	
			-0.19	0.04	7.97	0.00	0.00	0.94	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
326	DS5	P_x	0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
		P_y	0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
		P_z	0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
		M_k	0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
		M_y	0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
		M_z	0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
		Extremes	0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
			0.00	-0.01	0.17	0.00	0.00	-0.02	CO19
327	DS5	P_x	0.24	0.03	5.07	0.00	0.00	0.21	CO19
			0.24	0.03	5.07	0.00	0.00	0.21	CO19
		P_y	0.24	0.03	5.07	0.00	0.00	0.21	CO19
			0.24	0.03	5.07	0.00	0.00	0.21	CO19
		P_z	0.24	0.03	5.07	0.00	0.00	0.21	CO19
			0.24	0.03	5.07	0.00	0.00	0.21	CO19
		M_k	0.24	0.03	5.07	0.00	0.00	0.21	CO19
			0.24	0.03	5.07	0.00	0.00	0.21	CO19
		M_y	0.24	0.03	5.07	0.00	0.00	0.21	CO19
			0.24	0.03	5.07	0.00	0.00	0.21	CO19
		M_z	0.24	0.03	5.07	0.00	0.00	0.21	CO19
			0.24	0.03	5.07	0.00	0.00	0.21	CO19
		Extremes	0.24	0.03	5.07	0.00	0.00	0.21	CO19
			0.24	0.03	5.07	0.00	0.00	0.21	CO19
330	DS5	P_x	0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
		P_y	0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
		P_z	0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
		M_k	0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
		M_y	0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
		M_z	0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
		Extremes	0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
			0.33	-0.01	6.50	0.00	0.00	-0.05	CO19
333	DS5	P_x	0.32	0.00	6.30	0.00	0.00	0.01	CO19
			0.32	0.00	6.30	0.00	0.00	0.01	CO19
		P_y	0.32	0.00	6.30	0.00	0.00	0.01	CO19
			0.32	0.00	6.30	0.00	0.00	0.01	CO19
		P_z	0.32	0.00	6.30	0.00	0.00	0.01	CO19
			0.32	0.00	6.30	0.00	0.00	0.01	CO19
		M_k	0.32	0.00	6.30	0.00	0.00	0.01	CO19
			0.32	0.00	6.30	0.00	0.00	0.01	CO19
		M_y	0.32	0.00	6.30	0.00	0.00	0.01	CO19
			0.32	0.00	6.30	0.00	0.00	0.01	CO19
		M_z	0.32	0.00	6.30	0.00	0.00	0.01	CO19
			0.32	0.00	6.30	0.00	0.00	0.01	CO19
		Extremes	0.32	0.00	6.30	0.00	0.00	0.01	CO19
			0.32	0.00	6.30	0.00	0.00	0.01	CO19
336	DS5	P_x	0.32	0.00	6.34	0.00	0.00	0.00	CO19
			0.32	0.00	6.34	0.00	0.00	0.00	CO19
		P_y	0.32	0.00	6.34	0.00	0.00	0.00	CO19
			0.32	0.00	6.34	0.00	0.00	0.00	CO19
		P_z	0.32	0.00	6.34	0.00	0.00	0.00	CO19
			0.32	0.00	6.34	0.00	0.00	0.00	CO19
		M_k	0.32	0.00	6.34	0.00	0.00	0.00	CO19
			0.32	0.00	6.34	0.00	0.00	0.00	CO19
		M_y	0.32	0.00	6.34	0.00	0.00	0.00	CO19
			0.32	0.00	6.34	0.00	0.00	0.00	CO19
		M_z	0.32	0.00	6.34	0.00	0.00	0.00	CO19
			0.32	0.00	6.34	0.00	0.00	0.00	CO19
		Extremes	0.32	0.00	6.34	0.00	0.00	0.00	CO19
			0.32	0.00	6.34	0.00	0.00	0.00	CO19
339	DS5	P_x	0.32	0.00	6.36	0.00	0.00	0.01	CO19
			0.32	0.00	6.36	0.00	0.00	0.01	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	Cor. Loading
339		P _y	0.32	0.00	6.36	0.00	0.00	0.01	CO19
			0.32	0.00	6.36	0.00	0.00	0.01	CO19
		P _z	0.32	0.00	6.36	0.00	0.00	0.01	CO19
			0.32	0.00	6.36	0.00	0.00	0.01	CO19
		M _k	0.32	0.00	6.36	0.00	0.00	0.01	CO19
			0.32	0.00	6.36	0.00	0.00	0.01	CO19
		M _y	0.32	0.00	6.36	0.00	0.00	0.01	CO19
			0.32	0.00	6.36	0.00	0.00	0.01	CO19
		M _z	0.32	0.00	6.36	0.00	0.00	0.01	CO19
			0.32	0.00	6.36	0.00	0.00	0.01	CO19
		Extremes 339	0.32	0.00	6.36	0.00	0.00	0.01	
			0.32	0.00	6.36	0.00	0.00	0.01	
342	DS5	P _x	0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
		P _y	0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
		P _z	0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
		M _k	0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
		M _y	0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
		M _z	0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
			0.31	-0.01	6.21	0.00	0.00	-0.04	CO19
Extremes 342	0.31	-0.01	6.21	0.00	0.00	-0.04			
	0.31	-0.01	6.21	0.00	0.00	-0.04			
345	DS5	P _x	0.36	0.03	6.89	0.00	0.00	0.16	CO19
			0.36	0.03	6.89	0.00	0.00	0.16	CO19
		P _y	0.36	0.03	6.89	0.00	0.00	0.16	CO19
			0.36	0.03	6.89	0.00	0.00	0.16	CO19
		P _z	0.36	0.03	6.89	0.00	0.00	0.16	CO19
			0.36	0.03	6.89	0.00	0.00	0.16	CO19
		M _k	0.36	0.03	6.89	0.00	0.00	0.16	CO19
			0.36	0.03	6.89	0.00	0.00	0.16	CO19
		M _y	0.36	0.03	6.89	0.00	0.00	0.16	CO19
			0.36	0.03	6.89	0.00	0.00	0.16	CO19
		M _z	0.36	0.03	6.89	0.00	0.00	0.16	CO19
			0.36	0.03	6.89	0.00	0.00	0.16	CO19
Extremes 345	0.36	0.03	6.89	0.00	0.00	0.16			
	0.36	0.03	6.89	0.00	0.00	0.16			
348	DS5	P _x	0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
		P _y	0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
		P _z	0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
		M _k	0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
		M _y	0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
		M _z	0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
			0.41	-0.11	2.46	0.00	0.00	-0.47	CO19
Extremes 348	0.41	-0.11	2.46	0.00	0.00	-0.47			
	0.41	-0.11	2.46	0.00	0.00	-0.47			
349	DS5	P _x	-0.36	0.00	2.44	0.00	0.00	0.50	CO19
			-0.36	0.00	2.44	0.00	0.00	0.50	CO19
		P _y	-0.36	0.00	2.44	0.00	0.00	0.50	CO19
			-0.36	0.00	2.44	0.00	0.00	0.50	CO19
		P _z	-0.36	0.00	2.44	0.00	0.00	0.50	CO19
			-0.36	0.00	2.44	0.00	0.00	0.50	CO19
		M _k	-0.36	0.00	2.44	0.00	0.00	0.50	CO19
			-0.36	0.00	2.44	0.00	0.00	0.50	CO19
		M _y	-0.36	0.00	2.44	0.00	0.00	0.50	CO19
			-0.36	0.00	2.44	0.00	0.00	0.50	CO19
		M _z	-0.36	0.00	2.44	0.00	0.00	0.50	CO19
			-0.36	0.00	2.44	0.00	0.00	0.50	CO19
Extremes 349	-0.36	0.00	2.44	0.00	0.00	0.50			
	-0.36	0.00	2.44	0.00	0.00	0.50			
350	DS5	P _x	-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
		P _y	-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
350		P_z	-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
		M_k	-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
		M_y	-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
		M_z	-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
		Extremes	-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
			-0.20	0.00	5.02	0.00	0.00	-0.21	CO19
353	DS5	P_x	-0.26	0.00	6.43	0.00	0.00	0.05	CO19
			-0.26	0.00	6.43	0.00	0.00	0.05	CO19
		P_y	-0.26	0.00	6.43	0.00	0.00	0.05	CO19
			-0.26	0.00	6.43	0.00	0.00	0.05	CO19
		P_z	-0.26	0.00	6.43	0.00	0.00	0.05	CO19
			-0.26	0.00	6.43	0.00	0.00	0.05	CO19
		M_k	-0.26	0.00	6.43	0.00	0.00	0.05	CO19
			-0.26	0.00	6.43	0.00	0.00	0.05	CO19
		M_y	-0.26	0.00	6.43	0.00	0.00	0.05	CO19
			-0.26	0.00	6.43	0.00	0.00	0.05	CO19
356	DS5	P_x	-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
		P_y	-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
		P_z	-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
		M_k	-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
		M_y	-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.23	0.00	0.00	-0.01	CO19
359	DS5	P_x	-0.25	0.00	6.27	0.00	0.00	0.00	CO19
			-0.25	0.00	6.27	0.00	0.00	0.00	CO19
		P_y	-0.25	0.00	6.27	0.00	0.00	0.00	CO19
			-0.25	0.00	6.27	0.00	0.00	0.00	CO19
		P_z	-0.25	0.00	6.27	0.00	0.00	0.00	CO19
			-0.25	0.00	6.27	0.00	0.00	0.00	CO19
		M_k	-0.25	0.00	6.27	0.00	0.00	0.00	CO19
			-0.25	0.00	6.27	0.00	0.00	0.00	CO19
		M_y	-0.25	0.00	6.27	0.00	0.00	0.00	CO19
			-0.25	0.00	6.27	0.00	0.00	0.00	CO19
362	DS5	P_x	-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
		P_y	-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
		P_z	-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
		M_k	-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
		M_y	-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
			-0.25	0.00	6.30	0.00	0.00	-0.01	CO19
365	DS5	P_x	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
		P_y	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
		P_z	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
		Extremes	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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Sheet 1

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
365		M _k	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
		M _y	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
		M _z	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
		Extremes	-0.24	0.00	6.14	0.00	0.00	0.04	CO19
			-0.24	0.00	6.14	0.00	0.00	0.04	CO19
368	DS5	P _x	-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
		P _y	-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
		P _z	-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
		M _k	-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
		M _y	-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
		M _z	-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
			-0.28	0.00	6.83	0.00	0.00	-0.16	CO19
372	DS5	P _x	0.00	0.00	0.17	0.00	0.00	0.02	CO19
			0.00	0.00	0.17	0.00	0.00	0.02	CO19
		P _y	0.00	0.00	0.17	0.00	0.00	0.02	CO19
			0.00	0.00	0.17	0.00	0.00	0.02	CO19
		P _z	0.00	0.00	0.17	0.00	0.00	0.02	CO19
			0.00	0.00	0.17	0.00	0.00	0.02	CO19
		M _k	0.00	0.00	0.17	0.00	0.00	0.02	CO19
			0.00	0.00	0.17	0.00	0.00	0.02	CO19
		M _y	0.00	0.00	0.17	0.00	0.00	0.02	CO19
			0.00	0.00	0.17	0.00	0.00	0.02	CO19
		M _z	0.00	0.00	0.17	0.00	0.00	0.02	CO19
			0.00	0.00	0.17	0.00	0.00	0.02	CO19
373	DS5	P _x	0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
		P _y	0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
		P _z	0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
		M _k	0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
		M _y	0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
		M _z	0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
			0.36	-0.01	2.44	0.00	0.00	-0.50	CO19
374	DS5	P _x	0.20	0.00	5.02	0.00	0.00	0.21	CO19
			0.20	0.00	5.02	0.00	0.00	0.21	CO19
		P _y	0.20	0.00	5.02	0.00	0.00	0.21	CO19
			0.20	0.00	5.02	0.00	0.00	0.21	CO19
		P _z	0.20	0.00	5.02	0.00	0.00	0.21	CO19
			0.20	0.00	5.02	0.00	0.00	0.21	CO19
		M _k	0.20	0.00	5.02	0.00	0.00	0.21	CO19
			0.20	0.00	5.02	0.00	0.00	0.21	CO19
		M _y	0.20	0.00	5.02	0.00	0.00	0.21	CO19
			0.20	0.00	5.02	0.00	0.00	0.21	CO19
		M _z	0.20	0.00	5.02	0.00	0.00	0.21	CO19
			0.20	0.00	5.02	0.00	0.00	0.21	CO19
377	DS5	P _x	0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
		P _y	0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
		P _z	0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
		M _k	0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
377	Extremes 377	M_y	0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
		M_z	0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
			0.26	-0.03	6.43	0.00	0.00	-0.03	CO19
380	DS5	P_x	0.25	0.01	6.23	0.00	0.00	0.01	CO19
			0.25	0.01	6.23	0.00	0.00	0.01	CO19
		P_y	0.25	0.01	6.23	0.00	0.00	0.01	CO19
			0.25	0.01	6.23	0.00	0.00	0.01	CO19
		P_z	0.25	0.01	6.23	0.00	0.00	0.01	CO19
			0.25	0.01	6.23	0.00	0.00	0.01	CO19
		M_k	0.25	0.01	6.23	0.00	0.00	0.01	CO19
			0.25	0.01	6.23	0.00	0.00	0.01	CO19
		M_y	0.25	0.01	6.23	0.00	0.00	0.01	CO19
			0.25	0.01	6.23	0.00	0.00	0.01	CO19
		M_z	0.25	0.01	6.23	0.00	0.00	0.01	CO19
			0.25	0.01	6.23	0.00	0.00	0.01	CO19
		Extremes 380	0.25	0.01	6.23	0.00	0.00	0.01	CO19
			0.25	0.01	6.23	0.00	0.00	0.01	CO19
383	DS5	P_x	0.25	0.00	6.27	0.00	0.00	0.00	CO19
			0.25	0.00	6.27	0.00	0.00	0.00	CO19
		P_y	0.25	0.00	6.27	0.00	0.00	0.00	CO19
			0.25	0.00	6.27	0.00	0.00	0.00	CO19
		P_z	0.25	0.00	6.27	0.00	0.00	0.00	CO19
			0.25	0.00	6.27	0.00	0.00	0.00	CO19
		M_k	0.25	0.00	6.27	0.00	0.00	0.00	CO19
			0.25	0.00	6.27	0.00	0.00	0.00	CO19
		M_y	0.25	0.00	6.27	0.00	0.00	0.00	CO19
			0.25	0.00	6.27	0.00	0.00	0.00	CO19
		M_z	0.25	0.00	6.27	0.00	0.00	0.00	CO19
			0.25	0.00	6.27	0.00	0.00	0.00	CO19
		Extremes 383	0.25	0.00	6.27	0.00	0.00	0.00	CO19
			0.25	0.00	6.27	0.00	0.00	0.00	CO19
386	DS5	P_x	0.25	0.00	6.30	0.00	0.00	0.01	CO19
			0.25	0.00	6.30	0.00	0.00	0.01	CO19
		P_y	0.25	0.00	6.30	0.00	0.00	0.01	CO19
			0.25	0.00	6.30	0.00	0.00	0.01	CO19
		P_z	0.25	0.00	6.30	0.00	0.00	0.01	CO19
			0.25	0.00	6.30	0.00	0.00	0.01	CO19
		M_k	0.25	0.00	6.30	0.00	0.00	0.01	CO19
			0.25	0.00	6.30	0.00	0.00	0.01	CO19
		M_y	0.25	0.00	6.30	0.00	0.00	0.01	CO19
			0.25	0.00	6.30	0.00	0.00	0.01	CO19
		M_z	0.25	0.00	6.30	0.00	0.00	0.01	CO19
			0.25	0.00	6.30	0.00	0.00	0.01	CO19
		Extremes 386	0.25	0.00	6.30	0.00	0.00	0.01	CO19
			0.25	0.00	6.30	0.00	0.00	0.01	CO19
389	DS5	P_x	0.24	0.00	6.14	0.00	0.00	-0.04	CO19
			0.24	0.00	6.14	0.00	0.00	-0.04	CO19
		P_y	0.24	0.00	6.14	0.00	0.00	-0.04	CO19
			0.24	0.00	6.14	0.00	0.00	-0.04	CO19
		P_z	0.24	0.00	6.14	0.00	0.00	-0.04	CO19
			0.24	0.00	6.14	0.00	0.00	-0.04	CO19
		M_k	0.24	0.00	6.14	0.00	0.00	-0.04	CO19
			0.24	0.00	6.14	0.00	0.00	-0.04	CO19
		M_y	0.24	0.00	6.14	0.00	0.00	-0.04	CO19
			0.24	0.00	6.14	0.00	0.00	-0.04	CO19
		M_z	0.24	0.00	6.14	0.00	0.00	-0.04	CO19
			0.24	0.00	6.14	0.00	0.00	-0.04	CO19
		Extremes 389	0.24	0.00	6.14	0.00	0.00	-0.04	CO19
			0.24	0.00	6.14	0.00	0.00	-0.04	CO19
392	DS5	P_x	0.28	0.00	6.83	0.00	0.00	0.16	CO19
			0.28	0.00	6.83	0.00	0.00	0.16	CO19
		P_y	0.28	0.00	6.83	0.00	0.00	0.16	CO19
			0.28	0.00	6.83	0.00	0.00	0.16	CO19
		P_z	0.28	0.00	6.83	0.00	0.00	0.16	CO19
			0.28	0.00	6.83	0.00	0.00	0.16	CO19
		M_k	0.28	0.00	6.83	0.00	0.00	0.16	CO19
			0.28	0.00	6.83	0.00	0.00	0.16	CO19
		M_y	0.28	0.00	6.83	0.00	0.00	0.16	CO19
			0.28	0.00	6.83	0.00	0.00	0.16	CO19

9.2 NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment
			P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	Cor. Loading
392	Extremes 392	M_z	0.28	0.00	6.83	0.00	0.00	0.16	CO19
			0.28	0.00	6.83	0.00	0.00	0.16	CO19
			0.28	0.00	6.83	0.00	0.00	0.16	
			0.28	0.00	6.83	0.00	0.00	0.16	
			0.28	0.00	6.83	0.00	0.00	0.16	
396	DS5	P_x	0.00	0.00	0.17	0.00	0.00	-0.02	CO19
			0.00	0.00	0.17	0.00	0.00	-0.02	CO19
		P_y	0.00	0.00	0.17	0.00	0.00	-0.02	CO19
			0.00	0.00	0.17	0.00	0.00	-0.02	CO19
		P_z	0.00	0.00	0.17	0.00	0.00	-0.02	CO19
			0.00	0.00	0.17	0.00	0.00	-0.02	CO19
		M_k	0.00	0.00	0.17	0.00	0.00	-0.02	CO19
			0.00	0.00	0.17	0.00	0.00	-0.02	CO19
		M_y	0.00	0.00	0.17	0.00	0.00	-0.02	CO19
			0.00	0.00	0.17	0.00	0.00	-0.02	CO19
		M_z	0.00	0.00	0.17	0.00	0.00	-0.02	CO19
			0.00	0.00	0.17	0.00	0.00	-0.02	CO19
		Extremes 396	0.00	0.00	0.17	0.00	0.00	-0.02	
			0.00	0.00	0.17	0.00	0.00	-0.02	
			0.00	0.00	0.17	0.00	0.00	-0.02	
			0.00	0.00	0.17	0.00	0.00	-0.02	
397	DS5	P_x	-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
		P_y	-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
		P_z	-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
		M_k	-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
		M_y	-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
		M_z	-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
			-1.15	-0.06	1.84	0.00	0.00	0.37	CO19
		Extremes 397	-1.15	-0.06	1.84	0.00	0.00	0.37	
			-1.15	-0.06	1.84	0.00	0.00	0.37	
			-1.15	-0.06	1.84	0.00	0.00	0.37	
			-1.15	-0.06	1.84	0.00	0.00	0.37	
401	DS5	P_x	-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
		P_y	-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
		P_z	-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
		M_k	-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
		M_y	-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
		M_z	-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
			-0.36	0.04	2.26	0.00	0.00	-0.36	CO19
		Extremes 401	-0.36	0.04	2.26	0.00	0.00	-0.36	
			-0.36	0.04	2.26	0.00	0.00	-0.36	
			-0.36	0.04	2.26	0.00	0.00	-0.36	
			-0.36	0.04	2.26	0.00	0.00	-0.36	
404	DS5	P_x	0.15	0.00	6.87	0.00	0.00	0.10	CO19
			0.15	0.00	6.87	0.00	0.00	0.10	CO19
		P_y	0.15	0.00	6.87	0.00	0.00	0.10	CO19
			0.15	0.00	6.87	0.00	0.00	0.10	CO19
		P_z	0.15	0.00	6.87	0.00	0.00	0.10	CO19
			0.15	0.00	6.87	0.00	0.00	0.10	CO19
		M_k	0.15	0.00	6.87	0.00	0.00	0.10	CO19
			0.15	0.00	6.87	0.00	0.00	0.10	CO19
		M_y	0.15	0.00	6.87	0.00	0.00	0.10	CO19
			0.15	0.00	6.87	0.00	0.00	0.10	CO19
		M_z	0.15	0.00	6.87	0.00	0.00	0.10	CO19
			0.15	0.00	6.87	0.00	0.00	0.10	CO19
		Extremes 404	0.15	0.00	6.87	0.00	0.00	0.10	
			0.15	0.00	6.87	0.00	0.00	0.10	
			0.15	0.00	6.87	0.00	0.00	0.10	
			0.15	0.00	6.87	0.00	0.00	0.10	
407	DS5	P_x	0.07	0.00	6.30	0.00	0.00	-0.01	CO19
			0.07	0.00	6.30	0.00	0.00	-0.01	CO19
		P_y	0.07	0.00	6.30	0.00	0.00	-0.01	CO19
			0.07	0.00	6.30	0.00	0.00	-0.01	CO19
		P_z	0.07	0.00	6.30	0.00	0.00	-0.01	CO19
			0.07	0.00	6.30	0.00	0.00	-0.01	CO19
		M_k	0.07	0.00	6.30	0.00	0.00	-0.01	CO19
			0.07	0.00	6.30	0.00	0.00	-0.01	CO19
		M_y	0.07	0.00	6.30	0.00	0.00	-0.01	CO19
			0.07	0.00	6.30	0.00	0.00	-0.01	CO19
		M_z	0.07	0.00	6.30	0.00	0.00	-0.01	CO19
			0.07	0.00	6.30	0.00	0.00	-0.01	CO19
		Extremes 407	0.07	0.00	6.30	0.00	0.00	-0.01	
			0.07	0.00	6.30	0.00	0.00	-0.01	
			0.07	0.00	6.30	0.00	0.00	-0.01	
			0.07	0.00	6.30	0.00	0.00	-0.01	



Model:

VDC Kranj - statična preverba
strehe

Project:

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strehe

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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
Extremes 407			0.07 0.07	0.00 0.00	6.30 6.30	0.00 0.00	0.00 0.00	-0.01 -0.01	
410	SCS DS5	P _x	0.26	0.00	6.45	0.00	0.00	0.01	CO19
			0.26	0.00	6.45	0.00	0.00	0.01	CO19
		P _y	0.26	0.00	6.45	0.00	0.00	0.01	CO19
			0.26	0.00	6.45	0.00	0.00	0.01	CO19
		P _z	0.26	0.00	6.45	0.00	0.00	0.01	CO19
			0.26	0.00	6.45	0.00	0.00	0.01	CO19
		M _k	0.26	0.00	6.45	0.00	0.00	0.01	CO19
			0.26	0.00	6.45	0.00	0.00	0.01	CO19
		M _y	0.26	0.00	6.45	0.00	0.00	0.01	CO19
			0.26	0.00	6.45	0.00	0.00	0.01	CO19
		M _z	0.26	0.00	6.45	0.00	0.00	0.01	CO19
			0.26	0.00	6.45	0.00	0.00	0.01	CO19
			0.26	0.00	6.45	0.00	0.00	0.01	
			0.26	0.00	6.45	0.00	0.00	0.01	
Extremes 410			0.26	0.00	6.45	0.00	0.00	0.01	
413	SCS DS5	P _x	-0.49	0.01	6.12	0.00	0.00	0.01	CO19
			-0.49	0.01	6.12	0.00	0.00	0.01	CO19
		P _y	-0.49	0.01	6.12	0.00	0.00	0.01	CO19
			-0.49	0.01	6.12	0.00	0.00	0.01	CO19
		P _z	-0.49	0.01	6.12	0.00	0.00	0.01	CO19
			-0.49	0.01	6.12	0.00	0.00	0.01	CO19
		M _k	-0.49	0.01	6.12	0.00	0.00	0.01	CO19
			-0.49	0.01	6.12	0.00	0.00	0.01	CO19
		M _y	-0.49	0.01	6.12	0.00	0.00	0.01	CO19
			-0.49	0.01	6.12	0.00	0.00	0.01	CO19
		M _z	-0.49	0.01	6.12	0.00	0.00	0.01	CO19
			-0.49	0.01	6.12	0.00	0.00	0.01	CO19
			-0.49	0.01	6.12	0.00	0.00	0.01	
			-0.49	0.01	6.12	0.00	0.00	0.01	
Extremes 413			-0.49	0.01	6.12	0.00	0.00	0.01	
416	SCS DS5	P _x	0.04	0.00	8.19	0.00	0.00	-0.10	CO19
			0.04	0.00	8.19	0.00	0.00	-0.10	CO19
		P _y	0.04	0.00	8.19	0.00	0.00	-0.10	CO19
			0.04	0.00	8.19	0.00	0.00	-0.10	CO19
		P _z	0.04	0.00	8.19	0.00	0.00	-0.10	CO19
			0.04	0.00	8.19	0.00	0.00	-0.10	CO19
		M _k	0.04	0.00	8.19	0.00	0.00	-0.10	CO19
			0.04	0.00	8.19	0.00	0.00	-0.10	CO19
		M _y	0.04	0.00	8.19	0.00	0.00	-0.10	CO19
			0.04	0.00	8.19	0.00	0.00	-0.10	CO19
		M _z	0.04	0.00	8.19	0.00	0.00	-0.10	CO19
			0.04	0.00	8.19	0.00	0.00	-0.10	CO19
			0.04	0.00	8.19	0.00	0.00	-0.10	
			0.04	0.00	8.19	0.00	0.00	-0.10	
Extremes 416			0.04	0.00	8.19	0.00	0.00	-0.10	
109 112 192 114 162 191 1 1 1 1 166 162	Total max/min values with corresponding values								
	SCS DS5	P _x	2.09	-0.01	2.62	0.00	0.00	0.03	CO19
			-3.55	-0.01	2.59	0.00	0.00	-0.03	CO19
		P _y	-0.48	0.08	3.49	0.00	0.00	0.54	CO19
			0.00	-0.20	0.87	0.00	0.00	0.12	CO19
		P _z	-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
			-0.01	0.01	-0.02	0.00	0.00	0.02	CO19
		M _k	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
		M _y	0.00	-0.02	0.88	0.00	0.00	0.01	CO19
			0.00	-0.02	0.88	0.00	0.00	0.01	CO19
		M _z	-0.43	0.07	7.93	0.00	0.00	1.38	CO19
			-0.63	-0.05	11.07	0.00	0.00	-0.71	CO19
1 6 9 12 14 17 19 22 24 27 29 32 34 37 39	UIS CO1	P _x	0.00	-0.02	1.19	0.00	0.00	0.02	
			-0.01	-0.02	0.59	0.00	0.00	-0.01	
		P _y	0.00	0.08	2.25	0.00	0.00	-0.05	
			-0.02	0.06	1.13	0.00	0.00	0.04	
		P _z	2.08	0.03	3.05	0.00	0.00	-0.04	
			-3.29	0.03	1.63	0.00	0.00	0.03	
		M _k	2.01	-0.04	2.94	0.00	0.00	0.04	
			-2.87	-0.03	1.57	0.00	0.00	-0.04	
		M _y	0.00	-0.02	2.25	0.00	0.00	0.01	
			-0.01	0.08	1.72	0.00	0.00	0.04	
		M _z	1.72	0.03	2.81	0.00	0.00	-0.04	
			-2.04	0.02	3.05	0.00	0.00	0.04	
			1.73	-0.03	2.83	0.00	0.00	0.03	
			-1.45	-0.04	2.94	0.00	0.00	-0.04	
			0.00	0.00	2.25	0.00	0.00	0.00	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
42	UIS CO1	0.01	-0.01	2.15	0.00	0.00	-0.01	
44	UIS CO1	1.78	0.03	2.86	0.00	0.00	-0.04	
47	UIS CO1	-2.48	0.03	2.82	0.00	0.00	0.03	
49	UIS CO1	1.78	-0.03	2.85	0.00	0.00	0.04	
52	UIS CO1	-1.92	-0.03	2.82	0.00	0.00	-0.03	
54	UIS CO1	0.00	0.00	2.25	0.00	0.00	0.00	
57	UIS CO1	0.01	0.00	2.18	0.00	0.00	0.00	
59	UIS CO1	1.76	0.03	2.84	0.00	0.00	-0.04	
62	UIS CO1	-2.38	0.03	2.86	0.00	0.00	0.03	
64	UIS CO1	1.76	-0.03	2.84	0.00	0.00	0.04	
67	UIS CO1	-1.73	-0.03	2.84	0.00	0.00	-0.03	
69	UIS CO1	0.00	0.00	2.25	0.00	0.00	0.00	
72	UIS CO1	0.01	0.00	2.16	0.00	0.00	0.00	
74	UIS CO1	1.80	0.03	2.86	0.00	0.00	-0.04	
77	UIS CO1	-2.46	0.03	2.86	0.00	0.00	0.04	
79	UIS CO1	1.81	-0.03	2.88	0.00	0.00	0.04	
82	UIS CO1	-2.08	-0.03	2.88	0.00	0.00	-0.03	
84	UIS CO1	0.00	-0.01	2.25	0.00	0.00	0.01	
87	UIS CO1	0.00	-0.01	2.23	0.00	0.00	-0.01	
89	UIS CO1	1.62	0.03	2.79	0.00	0.00	-0.03	
92	UIS CO1	-2.15	-0.03	2.81	0.00	0.00	0.03	
94	UIS CO1	1.59	-0.03	2.71	0.00	0.00	0.04	
97	UIS CO1	-0.61	-0.03	2.63	0.00	0.00	-0.04	
99	UIS CO1	0.00	0.06	2.25	0.00	0.00	-0.04	
102	UIS CO1	0.05	0.05	1.81	0.00	0.00	0.03	
104	UIS CO1	2.56	0.05	3.14	0.00	0.00	-0.07	
107	UIS CO1	-1.53	0.05	3.08	0.00	0.00	0.06	
109	UIS CO1	2.79	-0.01	3.51	0.00	0.00	0.04	
112	UIS CO1	-4.76	-0.01	3.48	0.00	0.00	-0.03	
114	UIS CO1	0.00	-0.27	1.17	0.00	0.00	0.17	
117	UIS CO1	-0.02	-0.25	1.34	0.00	0.00	-0.16	
126	UIS CO1	0.00	0.01	0.13	0.00	0.00	-0.01	
127	UIS CO1	0.41	-0.03	9.12	0.00	0.00	0.30	
130	UIS CO1	0.60	0.01	11.73	0.00	0.00	-0.08	
133	UIS CO1	0.55	0.00	11.26	0.00	0.00	0.02	
136	UIS CO1	0.56	0.00	11.35	0.00	0.00	-0.01	
139	UIS CO1	0.57	0.00	11.43	0.00	0.00	0.02	
142	UIS CO1	0.53	0.01	11.02	0.00	0.00	-0.07	
145	UIS CO1	0.69	-0.03	12.67	0.00	0.00	0.29	
148	UIS CO1	0.72	0.10	4.62	0.00	0.00	-0.59	
149	UIS CO1	0.00	0.01	0.10	0.00	0.00	0.01	
150	UIS CO1	-0.40	-0.03	9.01	0.00	0.00	-0.31	
153	UIS CO1	-0.61	0.01	11.68	0.00	0.00	0.11	
156	UIS CO1	-0.59	-0.01	11.53	0.00	0.00	-0.07	
159	UIS CO1	-0.48	0.02	10.23	0.00	0.00	0.27	
162	UIS CO1	-0.85	-0.06	14.95	0.00	0.00	-0.96	
166	UIS CO1	-0.57	0.09	10.71	0.00	0.00	1.86	
168	UIS CO1	0.00	0.01	-0.02	0.00	0.00	-0.03	
169	UIS CO1	0.78	0.10	4.50	0.00	0.00	-0.81	
170	UIS CO1	0.42	-0.03	8.74	0.00	0.00	0.36	
173	UIS CO1	0.59	0.01	11.23	0.00	0.00	-0.10	
176	UIS CO1	0.54	0.00	10.73	0.00	0.00	0.03	
179	UIS CO1	0.55	0.00	10.83	0.00	0.00	-0.01	
182	UIS CO1	0.56	0.00	10.91	0.00	0.00	0.02	
185	UIS CO1	0.52	0.01	10.47	0.00	0.00	-0.09	
188	UIS CO1	0.68	-0.02	12.25	0.00	0.00	0.36	
191	UIS CO1	-0.01	0.01	-0.03	0.00	0.00	0.03	
192	UIS CO1	-0.66	0.11	4.71	0.00	0.00	0.73	
193	UIS CO1	-0.32	-0.03	9.07	0.00	0.00	-0.30	
196	UIS CO1	-0.41	0.01	11.66	0.00	0.00	0.10	
199	UIS CO1	-0.37	0.00	11.13	0.00	0.00	-0.03	
202	UIS CO1	-0.38	0.00	11.24	0.00	0.00	0.01	
205	UIS CO1	-0.39	0.00	11.32	0.00	0.00	-0.02	
208	UIS CO1	-0.35	0.01	10.85	0.00	0.00	0.09	
211	UIS CO1	-0.49	-0.03	12.75	0.00	0.00	-0.34	
214	UIS CO1	0.01	0.01	-0.03	0.00	0.00	-0.03	
215	UIS CO1	0.66	0.11	4.71	0.00	0.00	-0.73	
216	UIS CO1	0.32	-0.03	9.07	0.00	0.00	0.30	
219	UIS CO1	0.41	0.01	11.66	0.00	0.00	-0.10	
222	UIS CO1	0.37	0.00	11.13	0.00	0.00	0.03	
225	UIS CO1	0.38	0.00	11.24	0.00	0.00	-0.01	
228	UIS CO1	0.39	0.00	11.32	0.00	0.00	0.02	
231	UIS CO1	0.35	0.01	10.85	0.00	0.00	-0.09	
234	UIS CO1	0.49	-0.03	12.75	0.00	0.00	0.34	
237	UIS CO1	0.57	0.01	0.26	0.00	0.00	0.01	
238	UIS CO1	0.04	0.10	4.22	0.00	0.00	0.34	
239	UIS CO1	1.22	-0.03	8.54	0.00	0.00	-0.14	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
242	CO1	1.04	0.01	10.96	0.00	0.00	0.05	
245	CO1	1.10	0.00	10.59	0.00	0.00	-0.01	
248	CO1	1.08	0.00	10.66	0.00	0.00	0.01	
251	CO1	1.08	0.00	10.71	0.00	0.00	-0.01	
254	CO1	1.13	0.01	10.41	0.00	0.00	0.04	
257	CO1	0.93	-0.03	11.71	0.00	0.00	-0.17	
260	CO1	-0.57	0.01	0.25	0.00	0.00	-0.01	
261	CO1	-0.04	0.10	4.22	0.00	0.00	-0.34	
262	CO1	-1.22	-0.03	8.54	0.00	0.00	0.14	
265	CO1	-1.04	0.01	10.96	0.00	0.00	-0.05	
268	CO1	-1.10	0.00	10.59	0.00	0.00	0.01	
271	CO1	-1.08	0.00	10.66	0.00	0.00	-0.01	
274	CO1	-1.08	0.00	10.71	0.00	0.00	0.01	
277	CO1	-1.13	0.01	10.41	0.00	0.00	-0.04	
280	CO1	-0.93	-0.03	11.71	0.00	0.00	0.17	
283	CO1	0.00	-0.10	-0.02	0.00	0.00	-0.04	
285	CO1	-0.14	0.02	9.51	0.00	0.00	-0.32	
288	CO1	-0.51	0.00	11.05	0.00	0.00	0.09	
291	CO1	-0.45	0.00	10.92	0.00	0.00	-0.06	
294	CO1	-0.41	-0.01	10.24	0.00	0.00	0.15	
297	CO1	-0.59	0.01	12.90	0.00	0.00	-0.65	
301	CO1	-0.25	0.05	10.76	0.00	0.00	1.28	
326	CO1	0.01	-0.01	0.23	0.00	0.00	-0.03	
327	CO1	0.33	0.04	6.85	0.00	0.00	0.29	
330	CO1	0.45	-0.01	8.78	0.00	0.00	-0.06	
333	CO1	0.43	0.00	8.51	0.00	0.00	0.01	
336	CO1	0.43	0.00	8.56	0.00	0.00	-0.01	
339	CO1	0.44	0.00	8.59	0.00	0.00	0.01	
342	CO1	0.42	-0.01	8.39	0.00	0.00	-0.05	
345	CO1	0.49	0.04	9.31	0.00	0.00	0.21	
348	CO1	0.56	-0.15	3.32	0.00	0.00	-0.63	
349	CO1	-0.49	0.00	3.30	0.00	0.00	0.68	
350	CO1	-0.27	-0.01	6.79	0.00	0.00	-0.29	
353	CO1	-0.35	0.00	8.69	0.00	0.00	0.06	
356	CO1	-0.34	0.00	8.42	0.00	0.00	-0.02	
359	CO1	-0.34	0.00	8.47	0.00	0.00	0.01	
362	CO1	-0.34	0.00	8.51	0.00	0.00	-0.01	
365	CO1	-0.33	0.00	8.30	0.00	0.00	0.05	
368	CO1	-0.38	0.00	9.23	0.00	0.00	-0.22	
372	CO1	0.00	0.00	0.22	0.00	0.00	0.03	
373	CO1	0.49	-0.01	3.30	0.00	0.00	-0.68	
374	CO1	0.27	0.00	6.78	0.00	0.00	0.28	
377	CO1	0.35	-0.04	8.69	0.00	0.00	-0.04	
380	CO1	0.33	0.01	8.42	0.00	0.00	0.01	
383	CO1	0.34	0.00	8.47	0.00	0.00	-0.01	
386	CO1	0.34	0.00	8.51	0.00	0.00	0.01	
389	CO1	0.33	0.00	8.30	0.00	0.00	-0.05	
392	CO1	0.38	0.00	9.23	0.00	0.00	0.22	
396	CO1	0.00	0.00	0.22	0.00	0.00	-0.03	
397	CO1	-1.55	-0.08	2.48	0.00	0.00	0.50	
401	CO1	-0.49	0.05	3.05	0.00	0.00	-0.48	
404	CO1	0.20	0.00	9.28	0.00	0.00	0.13	
407	CO1	0.09	0.00	8.50	0.00	0.00	-0.02	
410	CO1	0.35	0.00	8.71	0.00	0.00	0.01	
413	CO1	-0.67	0.02	8.26	0.00	0.00	0.01	
416	CO1	0.05	0.00	11.06	0.00	0.00	-0.13	
Total max/min values with corresponding values								
109	CO1	P_x	2.79	-0.01	3.51	0.00	0.00	0.04
112			-4.76	-0.01	3.48	0.00	0.00	-0.03
192		P_y	-0.66	0.11	4.71	0.00	0.00	0.73
114			0.00	-0.27	1.17	0.00	0.00	0.17
162		P_z	-0.85	-0.06	14.95	0.00	0.00	-0.96
191			-0.01	0.01	-0.03	0.00	0.00	0.03
1		M_k	0.00	-0.02	1.19	0.00	0.00	0.02
1			0.00	-0.02	1.19	0.00	0.00	0.02
1		M_y	0.00	-0.02	1.19	0.00	0.00	0.02
1			0.00	-0.02	1.19	0.00	0.00	0.02
166		M_z	-0.57	0.09	10.71	0.00	0.00	1.86
162			-0.85	-0.06	14.95	0.00	0.00	-0.96
Sum of loads and sum of support forces								
Σ	CO1	P_x [kN]	0.00	0.00	968.44	Loads		
Σ			0.00	0.00	968.44	Support Forces		
1	CO2		0.00	-0.08	3.86	0.00	0.00	0.05
6	CO2		-0.04	-0.06	1.94	0.00	0.00	-0.04



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
9	UIS CO2	0.00	0.26	7.53	0.00	0.00	-0.16	
12	UIS CO2	-0.08	0.18	3.78	0.00	0.00	0.14	
14	UIS CO2	6.73	0.09	10.08	0.00	0.00	-0.12	
17	UIS CO2	-10.67	0.08	5.37	0.00	0.00	0.10	
19	UIS CO2	6.51	-0.12	9.73	0.00	0.00	0.15	
22	UIS CO2	-9.32	-0.11	5.19	0.00	0.00	-0.13	
24	UIS CO2	0.00	-0.06	7.54	0.00	0.00	0.03	
27	UIS CO2	-0.04	0.27	5.69	0.00	0.00	0.12	
29	UIS CO2	5.59	0.11	9.32	0.00	0.00	-0.12	
32	UIS CO2	-6.65	0.08	10.13	0.00	0.00	0.12	
34	UIS CO2	5.62	-0.10	9.39	0.00	0.00	0.11	
37	UIS CO2	-4.72	-0.12	9.75	0.00	0.00	-0.14	
39	UIS CO2	0.00	0.01	7.54	0.00	0.00	-0.01	
42	UIS CO2	0.04	-0.05	7.20	0.00	0.00	-0.02	
44	UIS CO2	5.80	0.10	9.48	0.00	0.00	-0.12	
47	UIS CO2	-8.06	0.10	9.37	0.00	0.00	0.11	
49	UIS CO2	5.80	-0.10	9.46	0.00	0.00	0.12	
52	UIS CO2	-6.23	-0.09	9.37	0.00	0.00	-0.11	
54	UIS CO2	0.00	-0.01	7.54	0.00	0.00	0.00	
57	UIS CO2	0.03	0.00	7.31	0.00	0.00	0.00	
59	UIS CO2	5.73	0.10	9.43	0.00	0.00	-0.11	
62	UIS CO2	-7.73	0.10	9.50	0.00	0.00	0.11	
64	UIS CO2	5.73	-0.10	9.42	0.00	0.00	0.12	
67	UIS CO2	-5.62	-0.10	9.41	0.00	0.00	-0.11	
69	UIS CO2	0.00	0.01	7.54	0.00	0.00	-0.01	
72	UIS CO2	0.03	0.00	7.24	0.00	0.00	0.00	
74	UIS CO2	5.86	0.11	9.49	0.00	0.00	-0.12	
77	UIS CO2	-8.01	0.10	9.49	0.00	0.00	0.12	
79	UIS CO2	5.87	-0.10	9.55	0.00	0.00	0.12	
82	UIS CO2	-6.75	-0.10	9.54	0.00	0.00	-0.11	
84	UIS CO2	0.00	-0.04	7.54	0.00	0.00	0.03	
87	UIS CO2	0.01	-0.03	7.47	0.00	0.00	-0.02	
89	UIS CO2	5.29	0.09	9.27	0.00	0.00	-0.09	
92	UIS CO2	-7.01	0.09	9.35	0.00	0.00	0.10	
94	UIS CO2	5.19	-0.11	9.00	0.00	0.00	0.11	
97	UIS CO2	-1.98	-0.11	8.73	0.00	0.00	-0.12	
99	UIS CO2	0.00	0.19	7.53	0.00	0.00	-0.12	
102	UIS CO2	0.15	0.17	6.10	0.00	0.00	0.11	
104	UIS CO2	8.20	0.17	10.35	0.00	0.00	-0.22	
107	UIS CO2	-4.75	0.16	10.15	0.00	0.00	0.20	
109	UIS CO2	8.93	-0.05	11.49	0.00	0.00	0.12	
112	UIS CO2	-15.37	-0.04	11.43	0.00	0.00	-0.11	
114	UIS CO2	0.00	-0.88	3.81	0.00	0.00	0.55	
117	UIS CO2	-0.06	-0.83	4.39	0.00	0.00	-0.53	
126	UIS CO2	0.02	0.03	0.25	0.00	0.00	-0.03	
127	UIS CO2	1.33	-0.09	29.79	0.00	0.00	0.99	
130	UIS CO2	1.95	0.03	38.30	0.00	0.00	-0.27	
133	UIS CO2	1.79	-0.01	36.79	0.00	0.00	0.07	
136	UIS CO2	1.82	0.00	37.09	0.00	0.00	-0.03	
139	UIS CO2	1.85	-0.01	37.33	0.00	0.00	0.06	
142	UIS CO2	1.72	0.02	36.00	0.00	0.00	-0.24	
145	UIS CO2	2.25	-0.09	41.39	0.00	0.00	0.93	
148	UIS CO2	2.34	0.32	14.91	0.00	0.00	-1.93	
149	UIS CO2	-0.02	0.03	0.18	0.00	0.00	0.03	
150	UIS CO2	-1.29	-0.09	29.43	0.00	0.00	-1.01	
153	UIS CO2	-1.99	0.03	38.14	0.00	0.00	0.37	
156	UIS CO2	-1.92	-0.02	37.67	0.00	0.00	-0.22	
159	UIS CO2	-1.57	0.06	33.40	0.00	0.00	0.88	
162	UIS CO2	-2.79	-0.20	48.92	0.00	0.00	-3.15	
166	UIS CO2	-1.87	0.29	34.78	0.00	0.00	6.17	
168	UIS CO2	0.00	0.03	-0.21	0.00	0.00	-0.09	
169	UIS CO2	2.53	0.34	14.54	0.00	0.00	-2.63	
170	UIS CO2	1.35	-0.10	28.49	0.00	0.00	1.19	
173	UIS CO2	1.91	0.02	36.60	0.00	0.00	-0.33	
176	UIS CO2	1.76	-0.01	34.98	0.00	0.00	0.09	
179	UIS CO2	1.79	0.00	35.31	0.00	0.00	-0.04	
182	UIS CO2	1.82	0.00	35.58	0.00	0.00	0.08	
185	UIS CO2	1.68	0.02	34.12	0.00	0.00	-0.30	
188	UIS CO2	2.23	-0.08	39.94	0.00	0.00	1.17	
191	UIS CO2	-0.02	0.04	-0.26	0.00	0.00	0.09	
192	UIS CO2	-2.16	0.36	15.24	0.00	0.00	2.40	
193	UIS CO2	-1.06	-0.10	29.59	0.00	0.00	-0.99	
196	UIS CO2	-1.35	0.03	38.05	0.00	0.00	0.32	
199	UIS CO2	-1.22	-0.01	36.31	0.00	0.00	-0.09	
202	UIS CO2	-1.25	0.00	36.66	0.00	0.00	0.04	
205	UIS CO2	-1.27	-0.01	36.95	0.00	0.00	-0.08	
208	UIS CO2	-1.15	0.02	35.38	0.00	0.00	0.29	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
211	UIS CO2	-1.62	-0.09	41.62	0.00	0.00	-1.13	
214	UIS CO2	0.02	0.04	-0.26	0.00	0.00	-0.09	
215	UIS CO2	2.16	0.36	15.24	0.00	0.00	-2.40	
216	UIS CO2	1.06	-0.10	29.58	0.00	0.00	0.98	
219	UIS CO2	1.35	0.02	38.05	0.00	0.00	-0.31	
222	UIS CO2	1.22	-0.01	36.31	0.00	0.00	0.09	
225	UIS CO2	1.25	0.00	36.66	0.00	0.00	-0.04	
228	UIS CO2	1.27	-0.01	36.95	0.00	0.00	0.08	
231	UIS CO2	1.15	0.02	35.38	0.00	0.00	-0.29	
234	UIS CO2	1.62	-0.09	41.62	0.00	0.00	1.13	
237	UIS CO2	1.83	0.03	0.67	0.00	0.00	0.03	
238	UIS CO2	0.05	0.32	13.62	0.00	0.00	1.11	
239	UIS CO2	4.08	-0.10	27.88	0.00	0.00	-0.47	
242	UIS CO2	3.48	0.03	35.80	0.00	0.00	0.16	
245	UIS CO2	3.66	-0.01	34.56	0.00	0.00	-0.04	
248	UIS CO2	3.62	0.00	34.80	0.00	0.00	0.02	
251	UIS CO2	3.59	-0.01	34.97	0.00	0.00	-0.04	
254	UIS CO2	3.76	0.02	33.98	0.00	0.00	0.14	
257	UIS CO2	3.11	-0.10	38.24	0.00	0.00	-0.57	
260	UIS CO2	-1.83	0.03	0.67	0.00	0.00	-0.03	
261	UIS CO2	-0.05	0.32	13.62	0.00	0.00	-1.11	
262	UIS CO2	-4.08	-0.10	27.88	0.00	0.00	0.47	
265	UIS CO2	-3.48	0.03	35.80	0.00	0.00	-0.16	
268	UIS CO2	-3.66	-0.01	34.56	0.00	0.00	0.04	
271	UIS CO2	-3.62	0.00	34.80	0.00	0.00	-0.02	
274	UIS CO2	-3.59	-0.01	34.97	0.00	0.00	0.04	
277	UIS CO2	-3.76	0.02	33.98	0.00	0.00	-0.14	
280	UIS CO2	-3.11	-0.10	38.24	0.00	0.00	0.57	
283	UIS CO2	0.01	-0.31	-0.21	0.00	0.00	-0.12	
285	UIS CO2	-0.47	0.07	31.00	0.00	0.00	-1.05	
288	UIS CO2	-1.65	0.01	36.01	0.00	0.00	0.28	
291	UIS CO2	-1.48	0.00	35.60	0.00	0.00	-0.18	
294	UIS CO2	-1.33	-0.02	33.38	0.00	0.00	0.49	
297	UIS CO2	-1.92	0.04	42.11	0.00	0.00	-2.12	
301	UIS CO2	-0.81	0.17	34.96	0.00	0.00	4.23	
326	UIS CO2	0.02	-0.04	0.62	0.00	0.00	-0.09	
327	UIS CO2	1.07	0.14	22.41	0.00	0.00	0.95	
330	UIS CO2	1.48	-0.04	28.73	0.00	0.00	-0.20	
333	UIS CO2	1.41	0.01	27.85	0.00	0.00	0.05	
336	UIS CO2	1.42	0.00	28.01	0.00	0.00	-0.02	
339	UIS CO2	1.43	0.01	28.12	0.00	0.00	0.04	
342	UIS CO2	1.38	-0.03	27.46	0.00	0.00	-0.16	
345	UIS CO2	1.61	0.13	30.49	0.00	0.00	0.70	
348	UIS CO2	1.82	-0.48	10.76	0.00	0.00	-2.08	
349	UIS CO2	-1.61	-0.01	10.72	0.00	0.00	2.25	
350	UIS CO2	-0.89	-0.02	22.24	0.00	0.00	-0.94	
353	UIS CO2	-1.16	0.01	28.48	0.00	0.00	0.21	
356	UIS CO2	-1.11	0.00	27.59	0.00	0.00	-0.05	
359	UIS CO2	-1.12	0.00	27.75	0.00	0.00	0.02	
362	UIS CO2	-1.12	0.00	27.87	0.00	0.00	-0.04	
365	UIS CO2	-1.08	0.00	27.17	0.00	0.00	0.17	
368	UIS CO2	-1.26	-0.02	30.28	0.00	0.00	-0.74	
372	UIS CO2	-0.01	0.00	0.57	0.00	0.00	0.11	
373	UIS CO2	1.61	-0.03	10.72	0.00	0.00	-2.23	
374	UIS CO2	0.89	0.00	22.23	0.00	0.00	0.93	
377	UIS CO2	1.16	-0.14	28.48	0.00	0.00	-0.12	
380	UIS CO2	1.10	0.05	27.59	0.00	0.00	0.04	
383	UIS CO2	1.12	-0.01	27.75	0.00	0.00	-0.02	
386	UIS CO2	1.13	0.01	27.87	0.00	0.00	0.04	
389	UIS CO2	1.08	-0.01	27.17	0.00	0.00	-0.17	
392	UIS CO2	1.26	0.00	30.28	0.00	0.00	0.73	
396	UIS CO2	0.01	-0.01	0.58	0.00	0.00	-0.11	
397	UIS CO2	-5.15	-0.25	7.90	0.00	0.00	1.63	
401	UIS CO2	-1.60	0.16	9.85	0.00	0.00	-1.58	
404	UIS CO2	0.66	-0.02	30.36	0.00	0.00	0.43	
407	UIS CO2	0.28	0.01	27.80	0.00	0.00	-0.06	
410	UIS CO2	1.15	-0.02	28.49	0.00	0.00	0.04	
413	UIS CO2	-2.20	0.06	27.03	0.00	0.00	0.04	
416	UIS CO2	0.15	-0.01	36.17	0.00	0.00	-0.42	
Total max/min values with corresponding values								
109	UIS CO2	P _x	8.93	-0.05	11.49	0.00	0.00	0.12
112			-15.37	-0.04	11.43	0.00	0.00	-0.11
192		P _y	-2.16	0.36	15.24	0.00	0.00	2.40
114			0.00	-0.88	3.81	0.00	0.00	0.55
162		P _z	-2.79	-0.20	48.92	0.00	0.00	-3.15
191			-0.02	0.04	-0.26	0.00	0.00	0.09
1		M _x	0.00	-0.08	3.86	0.00	0.00	0.05



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9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
1		M _k	0.00	-0.08	3.86	0.00	0.00	0.05	
1		M _y	0.00	-0.08	3.86	0.00	0.00	0.05	
1			0.00	-0.08	3.86	0.00	0.00	0.05	
166		M _z	-1.87	0.29	34.78	0.00	0.00	6.17	
162			-2.79	-0.20	48.92	0.00	0.00	-3.15	
Sum of loads and sum of support forces									
Σ	CO2		P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ			0.00	0.00	3165.88	Support Forces			
Σ			0.00	0.00	3165.92				
1	CO3		0.00	-0.07	3.45	0.00	0.00	0.05	
6	CO3		-0.04	-0.05	1.73	0.00	0.00	-0.04	
9	CO3		0.00	0.24	6.73	0.00	0.00	-0.15	
12	CO3		-0.07	0.17	3.37	0.00	0.00	0.13	
14	CO3		5.19	0.08	8.95	0.00	0.00	-0.10	
17	CO3		-8.45	0.07	4.74	0.00	0.00	0.09	
19	CO3		5.03	-0.11	8.65	0.00	0.00	0.13	
22	CO3		-7.35	-0.10	4.57	0.00	0.00	-0.12	
24	CO3		0.00	-0.05	6.73	0.00	0.00	0.03	
27	CO3		-0.04	0.24	5.08	0.00	0.00	0.11	
29	CO3		4.35	0.09	8.29	0.00	0.00	-0.10	
32	CO3		-5.14	0.07	9.03	0.00	0.00	0.11	
34	CO3		4.37	-0.09	8.35	0.00	0.00	0.10	
37	CO3		-3.67	-0.11	8.68	0.00	0.00	-0.13	
39	CO3		0.00	0.01	6.73	0.00	0.00	-0.01	
42	CO3		0.03	-0.04	6.46	0.00	0.00	-0.02	
44	CO3		4.50	0.09	8.43	0.00	0.00	-0.11	
47	CO3		-6.34	0.09	8.33	0.00	0.00	0.10	
49	CO3		4.50	-0.09	8.42	0.00	0.00	0.11	
52	CO3		-4.85	-0.08	8.34	0.00	0.00	-0.10	
54	CO3		0.00	0.00	6.73	0.00	0.00	0.00	
57	CO3		0.02	0.00	6.55	0.00	0.00	0.00	
59	CO3		4.45	0.09	8.39	0.00	0.00	-0.10	
62	CO3		-6.07	0.09	8.45	0.00	0.00	0.10	
64	CO3		4.45	-0.09	8.38	0.00	0.00	0.10	
67	CO3		-4.36	-0.09	8.37	0.00	0.00	-0.10	
69	CO3		0.00	0.01	6.73	0.00	0.00	-0.01	
72	CO3		0.03	0.00	6.49	0.00	0.00	0.00	
74	CO3		4.55	0.10	8.44	0.00	0.00	-0.11	
77	CO3		-6.29	0.09	8.44	0.00	0.00	0.11	
79	CO3		4.55	-0.09	8.48	0.00	0.00	0.11	
82	CO3		-5.25	-0.09	8.48	0.00	0.00	-0.10	
84	CO3		0.00	-0.04	6.74	0.00	0.00	0.02	
87	CO3		0.01	-0.03	6.68	0.00	0.00	-0.02	
89	CO3		4.13	0.08	8.25	0.00	0.00	-0.09	
92	CO3		-5.53	0.08	8.32	0.00	0.00	0.09	
94	CO3		4.07	-0.10	8.02	0.00	0.00	0.10	
97	CO3		-1.53	-0.10	7.79	0.00	0.00	-0.11	
99	CO3		0.00	0.17	6.72	0.00	0.00	-0.10	
102	CO3		0.12	0.15	5.55	0.00	0.00	0.10	
104	CO3		6.28	0.16	9.19	0.00	0.00	-0.19	
107	CO3		-3.61	0.14	9.02	0.00	0.00	0.18	
109	CO3		6.81	-0.04	10.19	0.00	0.00	0.10	
112	CO3		-12.05	-0.03	10.14	0.00	0.00	-0.10	
114	CO3		0.00	-0.79	3.40	0.00	0.00	0.50	
117	CO3		-0.05	-0.75	3.88	0.00	0.00	-0.48	
126	CO3		0.01	0.02	0.21	0.00	0.00	-0.03	
127	CO3		1.00	-0.07	22.73	0.00	0.00	0.75	
130	CO3		1.47	0.02	29.22	0.00	0.00	-0.20	
133	CO3		1.36	-0.01	28.07	0.00	0.00	0.05	
136	CO3		1.38	0.00	28.30	0.00	0.00	-0.02	
139	CO3		1.40	-0.01	28.49	0.00	0.00	0.05	
142	CO3		1.29	0.02	27.47	0.00	0.00	-0.18	
145	CO3		1.71	-0.07	31.57	0.00	0.00	0.71	
148	CO3		1.76	0.25	11.39	0.00	0.00	-1.47	
149	CO3		-0.01	0.02	0.16	0.00	0.00	0.03	
150	CO3		-0.97	-0.07	22.39	0.00	0.00	-0.77	
153	CO3		-1.51	0.02	29.10	0.00	0.00	0.29	
156	CO3		-1.46	-0.01	28.75	0.00	0.00	-0.17	
159	CO3		-1.18	0.05	25.45	0.00	0.00	0.68	
162	CO3		-2.12	-0.16	37.41	0.00	0.00	-2.42	
166	CO3		-1.40	0.23	26.50	0.00	0.00	4.75	
168	CO3		0.00	0.03	-0.23	0.00	0.00	-0.07	
169	CO3		2.11	0.32	11.99	0.00	0.00	-2.20	
170	CO3		1.11	-0.09	23.42	0.00	0.00	0.98	
173	CO3		1.57	0.02	30.08	0.00	0.00	-0.28	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
176	UIS CO3	1.45	-0.01	28.72	0.00	0.00	0.07	
179	UIS CO3	1.47	0.00	29.00	0.00	0.00	-0.03	
182	UIS CO3	1.49	0.00	29.22	0.00	0.00	0.07	
185	UIS CO3	1.38	0.02	27.99	0.00	0.00	-0.25	
188	UIS CO3	1.83	-0.07	32.89	0.00	0.00	0.98	
191	UIS CO3	-0.01	0.03	-0.26	0.00	0.00	0.07	
192	UIS CO3	-1.82	0.34	12.52	0.00	0.00	2.02	
193	UIS CO3	-0.89	-0.10	24.28	0.00	0.00	-0.83	
196	UIS CO3	-1.14	0.02	31.20	0.00	0.00	0.27	
199	UIS CO3	-1.03	-0.01	29.76	0.00	0.00	-0.07	
202	UIS CO3	-1.05	0.00	30.05	0.00	0.00	0.03	
205	UIS CO3	-1.07	0.00	30.29	0.00	0.00	-0.07	
208	UIS CO3	-0.97	0.02	28.98	0.00	0.00	0.25	
211	UIS CO3	-1.36	-0.08	34.17	0.00	0.00	-0.95	
214	UIS CO3	0.01	0.03	-0.26	0.00	0.00	-0.07	
215	UIS CO3	1.82	0.34	12.52	0.00	0.00	-2.02	
216	UIS CO3	0.89	-0.10	24.27	0.00	0.00	0.83	
219	UIS CO3	1.14	0.02	31.20	0.00	0.00	-0.26	
222	UIS CO3	1.03	-0.01	29.76	0.00	0.00	0.07	
225	UIS CO3	1.05	0.00	30.05	0.00	0.00	-0.03	
228	UIS CO3	1.07	0.00	30.29	0.00	0.00	0.07	
231	UIS CO3	0.97	0.02	28.98	0.00	0.00	-0.25	
234	UIS CO3	1.36	-0.08	34.17	0.00	0.00	0.95	
237	UIS CO3	1.51	0.02	0.54	0.00	0.00	0.03	
238	UIS CO3	0.20	0.26	10.40	0.00	0.00	0.84	
239	UIS CO3	3.32	-0.08	21.26	0.00	0.00	-0.35	
242	UIS CO3	2.91	0.02	27.27	0.00	0.00	0.13	
245	UIS CO3	3.05	-0.01	26.34	0.00	0.00	-0.03	
248	UIS CO3	3.02	0.00	26.51	0.00	0.00	0.01	
251	UIS CO3	2.99	0.00	26.65	0.00	0.00	-0.03	
254	UIS CO3	3.13	0.02	25.89	0.00	0.00	0.11	
257	UIS CO3	2.62	-0.08	29.14	0.00	0.00	-0.44	
260	UIS CO3	-1.51	0.02	0.54	0.00	0.00	-0.03	
261	UIS CO3	-0.20	0.26	10.40	0.00	0.00	-0.84	
262	UIS CO3	-3.32	-0.08	21.26	0.00	0.00	0.35	
265	UIS CO3	-2.91	0.02	27.27	0.00	0.00	-0.13	
268	UIS CO3	-3.05	-0.01	26.33	0.00	0.00	0.03	
271	UIS CO3	-3.02	0.00	26.51	0.00	0.00	-0.01	
274	UIS CO3	-2.99	0.00	26.65	0.00	0.00	0.03	
277	UIS CO3	-3.13	0.02	25.89	0.00	0.00	-0.11	
280	UIS CO3	-2.62	-0.08	29.14	0.00	0.00	0.44	
283	UIS CO3	0.01	-0.29	-0.23	0.00	0.00	-0.12	
285	UIS CO3	-0.32	0.06	25.72	0.00	0.00	-0.86	
288	UIS CO3	-1.33	0.01	29.56	0.00	0.00	0.22	
291	UIS CO3	-1.18	0.00	29.23	0.00	0.00	-0.15	
294	UIS CO3	-1.07	-0.01	27.46	0.00	0.00	0.38	
297	UIS CO3	-1.55	0.03	34.48	0.00	0.00	-1.72	
301	UIS CO3	-0.61	0.17	28.88	0.00	0.00	3.42	
326	UIS CO3	0.03	-0.04	0.63	0.00	0.00	-0.08	
327	UIS CO3	0.99	0.12	20.46	0.00	0.00	0.86	
330	UIS CO3	1.37	-0.03	26.25	0.00	0.00	-0.18	
333	UIS CO3	1.31	0.01	25.47	0.00	0.00	0.04	
336	UIS CO3	1.32	0.00	25.61	0.00	0.00	-0.02	
339	UIS CO3	1.33	0.01	25.71	0.00	0.00	0.03	
342	UIS CO3	1.28	-0.03	25.12	0.00	0.00	-0.14	
345	UIS CO3	1.49	0.11	27.82	0.00	0.00	0.62	
348	UIS CO3	1.67	-0.41	9.82	0.00	0.00	-1.87	
349	UIS CO3	-1.50	0.01	9.79	0.00	0.00	2.03	
350	UIS CO3	-0.85	-0.03	20.33	0.00	0.00	-0.86	
353	UIS CO3	-1.11	0.01	26.06	0.00	0.00	0.19	
356	UIS CO3	-1.07	0.00	25.27	0.00	0.00	-0.05	
359	UIS CO3	-1.08	0.00	25.41	0.00	0.00	0.02	
362	UIS CO3	-1.08	0.00	25.51	0.00	0.00	-0.04	
365	UIS CO3	-1.04	0.00	24.90	0.00	0.00	0.15	
368	UIS CO3	-1.20	-0.02	27.66	0.00	0.00	-0.65	
372	UIS CO3	-0.02	0.00	0.59	0.00	0.00	0.10	
373	UIS CO3	1.50	-0.01	9.79	0.00	0.00	-2.02	
374	UIS CO3	0.85	-0.01	20.32	0.00	0.00	0.85	
377	UIS CO3	1.11	-0.12	26.07	0.00	0.00	-0.11	
380	UIS CO3	1.06	0.04	25.27	0.00	0.00	0.03	
383	UIS CO3	1.08	-0.01	25.41	0.00	0.00	-0.02	
386	UIS CO3	1.08	0.00	25.51	0.00	0.00	0.03	
389	UIS CO3	1.04	-0.01	24.90	0.00	0.00	-0.15	
392	UIS CO3	1.21	-0.01	27.66	0.00	0.00	0.65	
396	UIS CO3	0.02	0.00	0.60	0.00	0.00	-0.10	
397	UIS CO3	-4.24	-0.22	7.46	0.00	0.00	1.49	
401	UIS CO3	-1.47	0.15	9.05	0.00	0.00	-1.45	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
404	CO3	0.32	-0.01	27.68	0.00	0.00	0.39	
407	CO3	0.04	0.00	25.40	0.00	0.00	-0.05	
410	CO3	0.71	-0.01	25.99	0.00	0.00	0.03	
413	CO3	-1.91	0.05	24.78	0.00	0.00	0.04	
416	CO3	-0.10	-0.01	32.51	0.00	0.00	-0.39	
Total max/min values with corresponding values								
109	CO3	P_x 6.81	-0.04	10.19	0.00	0.00	0.10	
112		-12.05	-0.03	10.14	0.00	0.00	-0.10	
192		P_y -1.82	0.34	12.52	0.00	0.00	2.02	
114		0.00	-0.79	3.40	0.00	0.00	0.50	
162		P_z -2.12	-0.16	37.41	0.00	0.00	-2.42	
191		-0.01	0.03	-0.26	0.00	0.00	0.07	
1		M_k 0.00	-0.07	3.45	0.00	0.00	0.05	
1		0.00	-0.07	3.45	0.00	0.00	0.05	
1		M_y 0.00	-0.07	3.45	0.00	0.00	0.05	
1		0.00	-0.07	3.45	0.00	0.00	0.05	
166		M_z -1.40	0.23	26.50	0.00	0.00	4.75	
162		-2.12	-0.16	37.41	0.00	0.00	-2.42	
Sum of loads and sum of support forces								
Σ	CO3	P_x [kN] 0.00	P_y [kN] 0.00	P_z [kN] 2639.02	Loads			
Σ		0.00	0.00	2639.04	Support Forces			
1	CO4	0.00	-0.01	0.50	0.00	0.00	0.01	
6	CO4	-0.01	-0.01	0.25	0.00	0.00	-0.01	
9	CO4	0.00	0.04	0.91	0.00	0.00	-0.03	
12	CO4	-0.02	0.03	0.46	0.00	0.00	0.02	
14	CO4	-0.60	0.01	1.14	0.00	0.00	-0.02	
17	CO4	0.53	0.01	0.54	0.00	0.00	0.01	
19	CO4	-0.56	-0.02	1.10	0.00	0.00	0.02	
22	CO4	0.53	-0.01	0.52	0.00	0.00	-0.02	
24	CO4	0.00	-0.01	0.91	0.00	0.00	0.00	
27	CO4	-0.01	0.04	0.70	0.00	0.00	0.02	
29	CO4	-0.41	0.01	1.07	0.00	0.00	-0.02	
32	CO4	0.54	0.01	1.20	0.00	0.00	0.02	
34	CO4	-0.42	-0.01	1.08	0.00	0.00	0.02	
37	CO4	0.38	-0.02	1.13	0.00	0.00	-0.02	
39	CO4	0.00	0.00	0.91	0.00	0.00	0.00	
42	CO4	0.00	-0.01	0.90	0.00	0.00	0.00	
44	CO4	-0.46	0.01	1.08	0.00	0.00	-0.02	
47	CO4	0.46	0.01	1.07	0.00	0.00	0.02	
49	CO4	-0.46	-0.01	1.08	0.00	0.00	0.02	
52	CO4	0.47	-0.01	1.07	0.00	0.00	-0.02	
54	CO4	0.00	0.00	0.91	0.00	0.00	0.00	
57	CO4	0.00	0.00	0.91	0.00	0.00	0.00	
59	CO4	-0.45	0.01	1.08	0.00	0.00	-0.02	
62	CO4	0.46	0.01	1.09	0.00	0.00	0.02	
64	CO4	-0.44	-0.01	1.08	0.00	0.00	0.02	
67	CO4	0.44	-0.01	1.08	0.00	0.00	-0.02	
69	CO4	0.00	0.00	0.91	0.00	0.00	0.00	
72	CO4	0.00	0.00	0.91	0.00	0.00	0.00	
74	CO4	-0.47	0.01	1.08	0.00	0.00	-0.02	
77	CO4	0.48	0.01	1.09	0.00	0.00	0.02	
79	CO4	-0.47	-0.01	1.08	0.00	0.00	0.02	
82	CO4	0.50	-0.01	1.09	0.00	0.00	-0.02	
84	CO4	0.00	0.00	0.91	0.00	0.00	0.00	
87	CO4	0.00	0.00	0.91	0.00	0.00	0.00	
89	CO4	-0.37	0.01	1.07	0.00	0.00	-0.02	
92	CO4	0.38	0.01	1.08	0.00	0.00	0.02	
94	CO4	-0.34	-0.02	1.06	0.00	0.00	0.02	
97	CO4	0.21	-0.02	1.05	0.00	0.00	-0.02	
99	CO4	0.00	0.02	0.91	0.00	0.00	-0.01	
102	CO4	0.00	0.02	0.90	0.00	0.00	0.01	
104	CO4	-0.83	0.02	1.15	0.00	0.00	-0.03	
107	CO4	0.58	0.02	1.13	0.00	0.00	0.03	
109	CO4	-0.98	0.00	1.24	0.00	0.00	0.02	
112	CO4	1.00	0.00	1.26	0.00	0.00	-0.01	
114	CO4	0.00	-0.13	0.49	0.00	0.00	0.08	
117	CO4	0.00	-0.12	0.49	0.00	0.00	-0.08	
126	CO4	0.00	0.00	0.07	0.00	0.00	0.00	
127	CO4	-0.14	0.00	-2.63	0.00	0.00	-0.09	
130	CO4	-0.19	0.00	-3.41	0.00	0.00	0.02	
133	CO4	-0.18	0.00	-3.26	0.00	0.00	-0.01	
136	CO4	-0.19	0.00	-3.29	0.00	0.00	0.00	
139	CO4	-0.19	0.00	-3.31	0.00	0.00	0.00	
142	CO4	-0.18	0.00	-3.20	0.00	0.00	0.02	



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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
145	CO4	-0.22	0.00	-3.68	0.00	0.00	-0.08	
148	CO4	-0.24	-0.01	-1.26	0.00	0.00	0.17	
149	CO4	0.00	0.00	0.07	0.00	0.00	0.00	
150	CO4	0.15	0.00	-2.72	0.00	0.00	0.09	
153	CO4	0.19	0.00	-3.38	0.00	0.00	-0.03	
156	CO4	0.19	0.00	-3.34	0.00	0.00	0.02	
159	CO4	0.16	0.00	-3.02	0.00	0.00	-0.06	
162	CO4	0.26	0.01	-4.22	0.00	0.00	0.25	
166	CO4	0.20	-0.02	-3.06	0.00	0.00	-0.50	
168	CO4	-0.01	0.01	-0.06	0.00	0.00	0.00	
169	CO4	0.07	0.07	0.26	0.00	0.00	-0.08	
170	CO4	0.02	-0.02	0.30	0.00	0.00	0.03	
173	CO4	0.02	0.00	0.35	0.00	0.00	-0.01	
176	CO4	0.01	0.00	0.29	0.00	0.00	0.00	
179	CO4	0.01	0.00	0.31	0.00	0.00	0.00	
182	CO4	0.02	0.00	0.32	0.00	0.00	0.00	
185	CO4	0.01	0.00	0.25	0.00	0.00	-0.01	
188	CO4	0.03	-0.01	0.49	0.00	0.00	0.05	
191	CO4	0.01	0.01	-0.04	0.00	0.00	0.00	
192	CO4	-0.12	0.06	0.21	0.00	0.00	0.11	
193	CO4	-0.05	-0.02	0.23	0.00	0.00	-0.05	
196	CO4	-0.07	0.00	0.26	0.00	0.00	0.02	
199	CO4	-0.06	0.00	0.22	0.00	0.00	0.00	
202	CO4	-0.06	0.00	0.23	0.00	0.00	0.00	
205	CO4	-0.06	0.00	0.24	0.00	0.00	0.00	
208	CO4	-0.05	0.00	0.19	0.00	0.00	0.01	
211	CO4	-0.08	-0.01	0.37	0.00	0.00	-0.06	
214	CO4	-0.01	0.01	-0.04	0.00	0.00	0.00	
215	CO4	0.12	0.06	0.21	0.00	0.00	-0.11	
216	CO4	0.04	-0.02	0.23	0.00	0.00	0.05	
219	CO4	0.07	0.00	0.26	0.00	0.00	-0.02	
222	CO4	0.06	0.00	0.22	0.00	0.00	0.00	
225	CO4	0.06	0.00	0.23	0.00	0.00	0.00	
228	CO4	0.06	0.00	0.24	0.00	0.00	0.00	
231	CO4	0.05	0.00	0.19	0.00	0.00	-0.01	
234	CO4	0.08	-0.01	0.37	0.00	0.00	0.06	
237	CO4	0.03	0.00	0.02	0.00	0.00	0.00	
238	CO4	0.22	-0.01	-1.13	0.00	0.00	-0.08	
239	CO4	-0.08	0.00	-2.48	0.00	0.00	0.05	
242	CO4	0.04	0.00	-3.22	0.00	0.00	-0.01	
245	CO4	0.03	0.00	-3.11	0.00	0.00	0.00	
248	CO4	0.04	0.00	-3.13	0.00	0.00	0.00	
251	CO4	0.04	0.00	-3.14	0.00	0.00	0.00	
254	CO4	0.03	0.00	-3.07	0.00	0.00	0.00	
257	CO4	0.06	0.00	-3.42	0.00	0.00	0.03	
260	CO4	-0.03	0.00	0.02	0.00	0.00	0.00	
261	CO4	-0.22	-0.01	-1.13	0.00	0.00	0.08	
262	CO4	0.08	0.00	-2.48	0.00	0.00	-0.05	
265	CO4	-0.04	0.00	-3.22	0.00	0.00	0.01	
268	CO4	-0.03	0.00	-3.11	0.00	0.00	0.00	
271	CO4	-0.04	0.00	-3.13	0.00	0.00	0.00	
274	CO4	-0.04	0.00	-3.14	0.00	0.00	0.00	
277	CO4	-0.03	0.00	-3.07	0.00	0.00	0.00	
280	CO4	-0.06	0.00	-3.42	0.00	0.00	-0.03	
283	CO4	0.01	-0.05	-0.06	0.00	0.00	-0.03	
285	CO4	0.11	0.00	0.71	0.00	0.00	-0.01	
288	CO4	0.02	0.00	0.30	0.00	0.00	-0.01	
291	CO4	0.03	0.00	0.31	0.00	0.00	-0.01	
294	CO4	0.03	0.00	0.37	0.00	0.00	-0.02	
297	CO4	0.03	-0.01	0.21	0.00	0.00	0.03	
301	CO4	0.07	0.05	0.66	0.00	0.00	-0.06	
326	CO4	0.02	0.00	0.24	0.00	0.00	-0.01	
327	CO4	0.20	0.01	3.60	0.00	0.00	0.14	
330	CO4	0.27	0.00	4.66	0.00	0.00	-0.03	
333	CO4	0.27	0.00	4.54	0.00	0.00	0.00	
336	CO4	0.27	0.00	4.56	0.00	0.00	0.00	
339	CO4	0.27	0.00	4.57	0.00	0.00	0.00	
342	CO4	0.26	0.00	4.50	0.00	0.00	-0.02	
345	CO4	0.29	0.01	4.87	0.00	0.00	0.08	
348	CO4	0.30	-0.03	1.77	0.00	0.00	-0.29	
349	CO4	-0.31	0.04	1.78	0.00	0.00	0.33	
350	CO4	-0.21	-0.02	3.61	0.00	0.00	-0.16	
353	CO4	-0.28	0.00	4.68	0.00	0.00	0.03	
356	CO4	-0.27	0.00	4.56	0.00	0.00	-0.01	
359	CO4	-0.28	0.00	4.58	0.00	0.00	0.00	
362	CO4	-0.28	0.00	4.59	0.00	0.00	0.00	
365	CO4	-0.27	0.00	4.52	0.00	0.00	0.02	

RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
368	CO4	-0.30	-0.01	4.89	0.00	0.00	-0.09	
372	CO4	-0.02	0.00	0.24	0.00	0.00	0.01	
373	CO4	0.31	0.04	1.78	0.00	0.00	-0.33	
374	CO4	0.21	-0.01	3.61	0.00	0.00	0.16	
377	CO4	0.28	-0.02	4.68	0.00	0.00	-0.01	
380	CO4	0.27	0.01	4.56	0.00	0.00	0.00	
383	CO4	0.28	0.00	4.58	0.00	0.00	0.00	
386	CO4	0.28	0.00	4.59	0.00	0.00	0.00	
389	CO4	0.27	0.00	4.52	0.00	0.00	-0.02	
392	CO4	0.30	-0.01	4.89	0.00	0.00	0.09	
396	CO4	0.02	0.00	0.24	0.00	0.00	-0.01	
397	CO4	-0.02	-0.02	1.72	0.00	0.00	0.26	
401	CO4	-0.28	0.02	1.72	0.00	0.00	-0.26	
404	CO4	-0.37	0.00	4.82	0.00	0.00	0.06	
407	CO4	-0.32	0.00	4.50	0.00	0.00	-0.01	
410	CO4	-0.37	0.00	4.55	0.00	0.00	0.00	
413	CO4	-0.18	0.00	4.51	0.00	0.00	0.01	
416	CO4	-0.37	0.00	4.94	0.00	0.00	-0.06	
Total max/min values with corresponding values								
112	CO4	P_x 1.00	0.00	1.26	0.00	0.00	-0.01	
109		-0.98	0.00	1.24	0.00	0.00	0.02	
169		P_y 0.07	0.07	0.26	0.00	0.00	-0.08	
114		0.00	-0.13	0.49	0.00	0.00	0.08	
416		P_z -0.37	0.00	4.94	0.00	0.00	-0.06	
162		0.26	0.01	-4.22	0.00	0.00	0.25	
1		M_x 0.00	-0.01	0.50	0.00	0.00	0.01	
1		0.00	-0.01	0.50	0.00	0.00	0.01	
1		M_y 0.00	-0.01	0.50	0.00	0.00	0.01	
1		0.00	-0.01	0.50	0.00	0.00	0.01	
349		M_z -0.31	0.04	1.78	0.00	0.00	0.33	
166		0.20	-0.02	-3.06	0.00	0.00	-0.50	
Sum of loads and sum of support forces								
	CO4	P_x [kN]	P_y [kN]	P_z [kN]				
Σ		0.00	0.00	90.35	Loads			
Σ		0.00	0.00	90.35	Support Forces			
1	CO5	0.00	-0.04	1.84	0.00	0.00	0.03	
6	CO5	-0.02	-0.03	0.92	0.00	0.00	-0.02	
9	CO5	0.00	0.13	3.55	0.00	0.00	-0.08	
12	CO5	-0.04	0.09	1.78	0.00	0.00	0.07	
14	CO5	1.79	0.04	4.68	0.00	0.00	-0.06	
17	CO5	-3.23	0.04	2.43	0.00	0.00	0.05	
19	CO5	1.75	-0.06	4.52	0.00	0.00	0.07	
22	CO5	-2.77	-0.05	2.35	0.00	0.00	-0.06	
24	CO5	0.00	-0.03	3.55	0.00	0.00	0.02	
27	CO5	-0.02	0.14	2.69	0.00	0.00	0.06	
29	CO5	1.56	0.05	4.34	0.00	0.00	-0.06	
32	CO5	-1.81	0.04	4.75	0.00	0.00	0.06	
34	CO5	1.57	-0.05	4.38	0.00	0.00	0.05	
37	CO5	-1.30	-0.06	4.56	0.00	0.00	-0.07	
39	CO5	0.00	0.01	3.55	0.00	0.00	0.00	
42	CO5	0.01	-0.02	3.43	0.00	0.00	-0.01	
44	CO5	1.60	0.05	4.41	0.00	0.00	-0.06	
47	CO5	-2.38	0.05	4.36	0.00	0.00	0.06	
49	CO5	1.60	-0.05	4.41	0.00	0.00	0.06	
52	CO5	-1.74	-0.05	4.37	0.00	0.00	-0.05	
54	CO5	0.00	0.00	3.55	0.00	0.00	0.00	
57	CO5	0.01	0.00	3.47	0.00	0.00	0.00	
59	CO5	1.59	0.05	4.39	0.00	0.00	-0.06	
62	CO5	-2.26	0.05	4.42	0.00	0.00	0.06	
64	CO5	1.59	-0.05	4.39	0.00	0.00	0.06	
67	CO5	-1.55	-0.05	4.39	0.00	0.00	-0.06	
69	CO5	0.00	0.00	3.55	0.00	0.00	0.00	
72	CO5	0.01	0.00	3.45	0.00	0.00	0.00	
74	CO5	1.61	0.05	4.41	0.00	0.00	-0.06	
77	CO5	-2.34	0.05	4.42	0.00	0.00	0.06	
79	CO5	1.61	-0.05	4.44	0.00	0.00	0.06	
82	CO5	-1.88	-0.05	4.44	0.00	0.00	-0.06	
84	CO5	0.00	-0.02	3.55	0.00	0.00	0.01	
87	CO5	0.00	-0.01	3.53	0.00	0.00	-0.01	
89	CO5	1.50	0.04	4.32	0.00	0.00	-0.05	
92	CO5	-2.09	0.04	4.36	0.00	0.00	0.05	
94	CO5	1.50	-0.05	4.22	0.00	0.00	0.06	
97	CO5	-0.52	-0.05	4.11	0.00	0.00	-0.06	
99	CO5	0.00	0.09	3.55	0.00	0.00	-0.05	
102	CO5	0.05	0.08	3.04	0.00	0.00	0.05	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
104	UIS C05	2.11	0.08	4.80	0.00	0.00	-0.10	
107	UIS C05	-1.16	0.08	4.71	0.00	0.00	0.10	
109	UIS C05	2.23	-0.02	5.31	0.00	0.00	0.06	
112	UIS C05	-4.45	-0.02	5.29	0.00	0.00	-0.05	
114	UIS C05	0.00	-0.43	1.81	0.00	0.00	0.27	
117	UIS C05	-0.02	-0.41	2.01	0.00	0.00	-0.26	
126	UIS C05	0.00	0.01	0.13	0.00	0.00	-0.01	
127	UIS C05	0.32	-0.03	7.70	0.00	0.00	0.25	
130	UIS C05	0.48	0.01	9.88	0.00	0.00	-0.07	
133	UIS C05	0.44	0.00	9.50	0.00	0.00	0.02	
136	UIS C05	0.45	0.00	9.57	0.00	0.00	-0.01	
139	UIS C05	0.45	0.00	9.64	0.00	0.00	0.02	
142	UIS C05	0.42	0.01	9.29	0.00	0.00	-0.06	
145	UIS C05	0.56	-0.03	10.67	0.00	0.00	0.24	
148	UIS C05	0.57	0.10	3.89	0.00	0.00	-0.49	
149	UIS C05	0.00	0.01	0.11	0.00	0.00	0.01	
150	UIS C05	-0.30	-0.03	7.49	0.00	0.00	-0.26	
153	UIS C05	-0.50	0.01	9.85	0.00	0.00	0.10	
156	UIS C05	-0.48	-0.01	9.73	0.00	0.00	-0.06	
159	UIS C05	-0.38	0.02	8.57	0.00	0.00	0.24	
162	UIS C05	-0.71	-0.06	12.76	0.00	0.00	-0.85	
166	UIS C05	-0.45	0.08	8.96	0.00	0.00	1.65	
168	UIS C05	-0.01	0.02	-0.15	0.00	0.00	-0.03	
169	UIS C05	0.95	0.18	5.27	0.00	0.00	-0.99	
170	UIS C05	0.48	-0.06	10.17	0.00	0.00	0.44	
173	UIS C05	0.68	0.01	13.04	0.00	0.00	-0.13	
176	UIS C05	0.62	0.00	12.42	0.00	0.00	0.03	
179	UIS C05	0.64	0.00	12.55	0.00	0.00	-0.02	
182	UIS C05	0.65	0.00	12.65	0.00	0.00	0.03	
185	UIS C05	0.59	0.01	12.08	0.00	0.00	-0.12	
188	UIS C05	0.80	-0.04	14.33	0.00	0.00	0.45	
191	UIS C05	0.00	0.02	-0.15	0.00	0.00	0.03	
192	UIS C05	-0.85	0.19	5.45	0.00	0.00	0.93	
193	UIS C05	-0.41	-0.06	10.48	0.00	0.00	-0.39	
196	UIS C05	-0.53	0.01	13.45	0.00	0.00	0.12	
199	UIS C05	-0.48	0.00	12.80	0.00	0.00	-0.03	
202	UIS C05	-0.49	0.00	12.93	0.00	0.00	0.02	
205	UIS C05	-0.50	0.00	13.04	0.00	0.00	-0.03	
208	UIS C05	-0.45	0.01	12.45	0.00	0.00	0.11	
211	UIS C05	-0.64	-0.04	14.78	0.00	0.00	-0.44	
214	UIS C05	0.00	0.02	-0.15	0.00	0.00	-0.03	
215	UIS C05	0.85	0.19	5.45	0.00	0.00	-0.93	
216	UIS C05	0.41	-0.06	10.47	0.00	0.00	0.39	
219	UIS C05	0.53	0.01	13.45	0.00	0.00	-0.12	
222	UIS C05	0.48	0.00	12.80	0.00	0.00	0.03	
225	UIS C05	0.49	0.00	12.93	0.00	0.00	-0.01	
228	UIS C05	0.50	0.00	13.04	0.00	0.00	0.03	
231	UIS C05	0.45	0.01	12.45	0.00	0.00	-0.11	
234	UIS C05	0.64	-0.04	14.78	0.00	0.00	0.44	
237	UIS C05	0.66	0.01	0.24	0.00	0.00	0.01	
238	UIS C05	0.27	0.10	3.56	0.00	0.00	0.29	
239	UIS C05	1.37	-0.03	7.18	0.00	0.00	-0.11	
242	UIS C05	1.29	0.01	9.18	0.00	0.00	0.05	
245	UIS C05	1.34	0.00	8.87	0.00	0.00	-0.01	
248	UIS C05	1.33	0.00	8.93	0.00	0.00	0.01	
251	UIS C05	1.32	0.00	8.98	0.00	0.00	-0.01	
254	UIS C05	1.37	0.01	8.71	0.00	0.00	0.04	
257	UIS C05	1.19	-0.03	9.83	0.00	0.00	-0.16	
260	UIS C05	-0.66	0.01	0.23	0.00	0.00	-0.01	
261	UIS C05	-0.27	0.10	3.56	0.00	0.00	-0.29	
262	UIS C05	-1.37	-0.03	7.18	0.00	0.00	0.11	
265	UIS C05	-1.29	0.01	9.18	0.00	0.00	-0.05	
268	UIS C05	-1.34	0.00	8.87	0.00	0.00	0.01	
271	UIS C05	-1.33	0.00	8.93	0.00	0.00	-0.01	
274	UIS C05	-1.32	0.00	8.98	0.00	0.00	0.01	
277	UIS C05	-1.37	0.01	8.71	0.00	0.00	-0.04	
280	UIS C05	-1.19	-0.03	9.83	0.00	0.00	0.16	
283	UIS C05	0.01	-0.16	-0.15	0.00	0.00	-0.07	
285	UIS C05	-0.05	0.03	11.45	0.00	0.00	-0.37	
288	UIS C05	-0.55	0.01	12.78	0.00	0.00	0.09	
291	UIS C05	-0.48	0.00	12.65	0.00	0.00	-0.07	
294	UIS C05	-0.43	0.00	11.94	0.00	0.00	0.15	
297	UIS C05	-0.63	0.00	14.81	0.00	0.00	-0.71	
301	UIS C05	-0.21	0.11	12.74	0.00	0.00	1.41	
326	UIS C05	0.03	-0.02	0.44	0.00	0.00	-0.04	
327	UIS C05	0.57	0.06	11.38	0.00	0.00	0.47	
330	UIS C05	0.79	-0.02	14.63	0.00	0.00	-0.10	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
333	UIS CO5	0.76	0.00	14.21	0.00	0.00	0.02	
336	UIS CO5	0.76	0.00	14.28	0.00	0.00	-0.01	
339	UIS CO5	0.77	0.00	14.33	0.00	0.00	0.02	
342	UIS CO5	0.74	-0.01	14.03	0.00	0.00	-0.07	
345	UIS CO5	0.85	0.05	15.45	0.00	0.00	0.32	
348	UIS CO5	0.93	-0.20	5.48	0.00	0.00	-1.01	
349	UIS CO5	-0.87	0.03	5.47	0.00	0.00	1.10	
350	UIS CO5	-0.52	-0.02	11.33	0.00	0.00	-0.49	
353	UIS CO5	-0.68	0.01	14.55	0.00	0.00	0.10	
356	UIS CO5	-0.66	0.00	14.13	0.00	0.00	-0.02	
359	UIS CO5	-0.66	0.00	14.21	0.00	0.00	0.01	
362	UIS CO5	-0.66	0.00	14.26	0.00	0.00	-0.02	
365	UIS CO5	-0.65	0.00	13.95	0.00	0.00	0.08	
368	UIS CO5	-0.73	-0.02	15.38	0.00	0.00	-0.34	
372	UIS CO5	-0.02	0.00	0.42	0.00	0.00	0.05	
373	UIS CO5	0.87	0.03	5.47	0.00	0.00	-1.10	
374	UIS CO5	0.52	-0.01	11.32	0.00	0.00	0.48	
377	UIS CO5	0.68	-0.06	14.56	0.00	0.00	-0.06	
380	UIS CO5	0.65	0.02	14.13	0.00	0.00	0.02	
383	UIS CO5	0.66	0.00	14.20	0.00	0.00	-0.01	
386	UIS CO5	0.67	0.00	14.26	0.00	0.00	0.02	
389	UIS CO5	0.65	0.00	13.95	0.00	0.00	-0.07	
392	UIS CO5	0.73	-0.01	15.38	0.00	0.00	0.34	
396	UIS CO5	0.02	0.00	0.43	0.00	0.00	-0.05	
397	UIS CO5	-1.82	-0.10	4.45	0.00	0.00	0.83	
401	UIS CO5	-0.83	0.08	5.12	0.00	0.00	-0.81	
404	UIS CO5	-0.14	-0.01	15.35	0.00	0.00	0.21	
407	UIS CO5	-0.22	0.00	14.15	0.00	0.00	-0.03	
410	UIS CO5	0.02	0.00	14.44	0.00	0.00	0.01	
413	UIS CO5	-0.94	0.02	13.90	0.00	0.00	0.02	
416	UIS CO5	-0.32	0.00	17.50	0.00	0.00	-0.21	
Total max/min values with corresponding values								
109	UIS CO5	P_x 2.23	-0.02	5.31	0.00	0.00	0.06	
112		-4.45	-0.02	5.29	0.00	0.00	-0.05	
192		P_y -0.85	0.19	5.45	0.00	0.00	0.93	
114		0.00	-0.43	1.81	0.00	0.00	0.27	
416		P_z -0.32	0.00	17.50	0.00	0.00	-0.21	
283		0.01	-0.16	-0.15	0.00	0.00	-0.07	
1		M_x 0.00	-0.04	1.84	0.00	0.00	0.03	
1		0.00	-0.04	1.84	0.00	0.00	0.03	
1		M_y 0.00	-0.04	1.84	0.00	0.00	0.03	
1		0.00	-0.04	1.84	0.00	0.00	0.03	
166		M_z -0.45	0.08	8.96	0.00	0.00	1.65	
373		0.87	0.03	5.47	0.00	0.00	-1.10	
Sum of loads and sum of support forces								
Σ	UIS CO5	P_x [kN]	P_y [kN]	P_z [kN]	Loads			
Σ		0.00	0.00	1189.07	Support Forces			
Σ		0.00	0.00	1189.07				
1	SCh CO6	0.00	-0.02	0.88	0.00	0.00	0.01	
6	SCh CO6	-0.01	-0.01	0.44	0.00	0.00	-0.01	
9	SCh CO6	0.00	0.06	1.67	0.00	0.00	-0.04	
12	SCh CO6	-0.02	0.04	0.84	0.00	0.00	0.03	
14	SCh CO6	1.55	0.02	2.27	0.00	0.00	-0.03	
17	SCh CO6	-2.45	0.02	1.21	0.00	0.00	0.02	
19	SCh CO6	1.50	-0.03	2.18	0.00	0.00	0.03	
22	SCh CO6	-2.14	-0.03	1.17	0.00	0.00	-0.03	
24	SCh CO6	0.00	-0.01	1.67	0.00	0.00	0.01	
27	SCh CO6	-0.01	0.06	1.27	0.00	0.00	0.03	
29	SCh CO6	1.28	0.02	2.08	0.00	0.00	-0.03	
32	SCh CO6	-1.52	0.02	2.27	0.00	0.00	0.03	
34	SCh CO6	1.28	-0.02	2.10	0.00	0.00	0.02	
37	SCh CO6	-1.08	-0.03	2.18	0.00	0.00	-0.03	
39	SCh CO6	0.00	0.00	1.67	0.00	0.00	0.00	
42	SCh CO6	0.01	-0.01	1.59	0.00	0.00	0.00	
44	SCh CO6	1.33	0.02	2.12	0.00	0.00	-0.03	
47	SCh CO6	-1.84	0.02	2.09	0.00	0.00	0.03	
49	SCh CO6	1.33	-0.02	2.12	0.00	0.00	0.03	
52	SCh CO6	-1.43	-0.02	2.10	0.00	0.00	-0.02	
54	SCh CO6	0.00	0.00	1.67	0.00	0.00	0.00	
57	SCh CO6	0.01	0.00	1.62	0.00	0.00	0.00	
59	SCh CO6	1.31	0.02	2.11	0.00	0.00	-0.03	
62	SCh CO6	-1.77	0.02	2.12	0.00	0.00	0.03	
64	SCh CO6	1.31	-0.02	2.11	0.00	0.00	0.03	
67	SCh CO6	-1.29	-0.02	2.10	0.00	0.00	-0.03	
69	SCh CO6	0.00	0.00	1.67	0.00	0.00	0.00	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
72	S Ch CO6	0.01	0.00	1.60	0.00	0.00	0.00	
74	S Ch CO6	1.34	0.02	2.12	0.00	0.00	-0.03	
77	S Ch CO6	-1.83	0.02	2.12	0.00	0.00	0.03	
79	S Ch CO6	1.35	-0.02	2.14	0.00	0.00	0.03	
82	S Ch CO6	-1.54	-0.02	2.14	0.00	0.00	-0.03	
84	S Ch CO6	0.00	-0.01	1.67	0.00	0.00	0.01	
87	S Ch CO6	0.00	-0.01	1.65	0.00	0.00	0.00	
89	S Ch CO6	1.20	0.02	2.07	0.00	0.00	-0.02	
92	S Ch CO6	-1.60	0.02	2.09	0.00	0.00	0.02	
94	S Ch CO6	1.18	-0.03	2.01	0.00	0.00	0.03	
97	S Ch CO6	-0.46	-0.03	1.95	0.00	0.00	-0.03	
99	S Ch CO6	0.00	0.04	1.67	0.00	0.00	-0.03	
102	S Ch CO6	0.03	0.04	1.34	0.00	0.00	0.02	
104	S Ch CO6	1.92	0.04	2.33	0.00	0.00	-0.05	
107	S Ch CO6	-1.15	0.04	2.29	0.00	0.00	0.05	
109	S Ch CO6	2.09	-0.01	2.62	0.00	0.00	0.03	
112	S Ch CO6	-3.55	-0.01	2.59	0.00	0.00	-0.03	
114	S Ch CO6	0.00	-0.20	0.87	0.00	0.00	0.12	
117	S Ch CO6	-0.01	-0.19	0.99	0.00	0.00	-0.12	
126	S Ch CO6	0.00	0.01	0.09	0.00	0.00	-0.01	
127	S Ch CO6	0.30	-0.02	6.76	0.00	0.00	0.22	
130	S Ch CO6	0.44	0.01	8.69	0.00	0.00	-0.06	
133	S Ch CO6	0.41	0.00	8.34	0.00	0.00	0.02	
136	S Ch CO6	0.41	0.00	8.41	0.00	0.00	-0.01	
139	S Ch CO6	0.42	0.00	8.47	0.00	0.00	0.01	
142	S Ch CO6	0.39	0.01	8.16	0.00	0.00	-0.05	
145	S Ch CO6	0.51	-0.02	9.39	0.00	0.00	0.21	
148	S Ch CO6	0.53	0.07	3.42	0.00	0.00	-0.44	
149	S Ch CO6	0.00	0.01	0.08	0.00	0.00	0.01	
150	S Ch CO6	-0.29	-0.02	6.68	0.00	0.00	-0.23	
153	S Ch CO6	-0.45	0.01	8.65	0.00	0.00	0.08	
156	S Ch CO6	-0.44	0.00	8.54	0.00	0.00	-0.05	
159	S Ch CO6	-0.36	0.01	7.58	0.00	0.00	0.20	
162	S Ch CO6	-0.63	-0.05	11.07	0.00	0.00	-0.71	
166	S Ch CO6	-0.43	0.07	7.93	0.00	0.00	1.38	
168	S Ch CO6	0.00	0.01	-0.01	0.00	0.00	-0.02	
169	S Ch CO6	0.58	0.08	3.34	0.00	0.00	-0.60	
170	S Ch CO6	0.31	-0.02	6.48	0.00	0.00	0.27	
173	S Ch CO6	0.43	0.01	8.32	0.00	0.00	-0.08	
176	S Ch CO6	0.40	0.00	7.95	0.00	0.00	0.02	
179	S Ch CO6	0.41	0.00	8.02	0.00	0.00	-0.01	
182	S Ch CO6	0.41	0.00	8.08	0.00	0.00	0.02	
185	S Ch CO6	0.38	0.00	7.75	0.00	0.00	-0.07	
188	S Ch CO6	0.51	-0.02	9.08	0.00	0.00	0.26	
191	S Ch CO6	-0.01	0.01	-0.02	0.00	0.00	0.02	
192	S Ch CO6	-0.48	0.08	3.49	0.00	0.00	0.54	
193	S Ch CO6	-0.24	-0.02	6.72	0.00	0.00	-0.22	
196	S Ch CO6	-0.30	0.01	8.64	0.00	0.00	0.07	
199	S Ch CO6	-0.28	0.00	8.24	0.00	0.00	-0.02	
202	S Ch CO6	-0.28	0.00	8.32	0.00	0.00	0.01	
205	S Ch CO6	-0.29	0.00	8.39	0.00	0.00	-0.02	
208	S Ch CO6	-0.26	0.00	8.04	0.00	0.00	0.07	
211	S Ch CO6	-0.36	-0.02	9.44	0.00	0.00	-0.25	
214	S Ch CO6	0.01	0.01	-0.02	0.00	0.00	-0.02	
215	S Ch CO6	0.48	0.08	3.49	0.00	0.00	-0.54	
216	S Ch CO6	0.24	-0.02	6.72	0.00	0.00	0.22	
219	S Ch CO6	0.30	0.01	8.64	0.00	0.00	-0.07	
222	S Ch CO6	0.28	0.00	8.25	0.00	0.00	0.02	
225	S Ch CO6	0.28	0.00	8.32	0.00	0.00	-0.01	
228	S Ch CO6	0.29	0.00	8.39	0.00	0.00	0.02	
231	S Ch CO6	0.26	0.00	8.04	0.00	0.00	-0.06	
234	S Ch CO6	0.36	-0.02	9.44	0.00	0.00	0.25	
237	S Ch CO6	0.43	0.01	0.19	0.00	0.00	0.01	
238	S Ch CO6	0.04	0.07	3.13	0.00	0.00	0.25	
239	S Ch CO6	0.90	-0.02	6.33	0.00	0.00	-0.10	
242	S Ch CO6	0.78	0.01	8.12	0.00	0.00	0.04	
245	S Ch CO6	0.81	0.00	7.84	0.00	0.00	-0.01	
248	S Ch CO6	0.81	0.00	7.89	0.00	0.00	0.00	
251	S Ch CO6	0.80	0.00	7.93	0.00	0.00	-0.01	
254	S Ch CO6	0.84	0.01	7.71	0.00	0.00	0.03	
257	S Ch CO6	0.70	-0.02	8.67	0.00	0.00	-0.13	
260	S Ch CO6	-0.43	0.01	0.19	0.00	0.00	-0.01	
261	S Ch CO6	-0.04	0.07	3.13	0.00	0.00	-0.25	
262	S Ch CO6	-0.90	-0.02	6.33	0.00	0.00	0.10	
265	S Ch CO6	-0.78	0.01	8.12	0.00	0.00	-0.04	
268	S Ch CO6	-0.81	0.00	7.84	0.00	0.00	0.01	
271	S Ch CO6	-0.81	0.00	7.89	0.00	0.00	0.00	



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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Sheet 1

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
274	S Ch CO6	-0.80	0.00	7.93	0.00	0.00	0.01	
277	S Ch CO6	-0.84	0.01	7.71	0.00	0.00	-0.03	
280	S Ch CO6	-0.70	-0.02	8.67	0.00	0.00	0.13	
283	S Ch CO6	0.00	-0.07	-0.01	0.00	0.00	-0.03	
285	S Ch CO6	-0.11	0.01	7.04	0.00	0.00	-0.24	
288	S Ch CO6	-0.37	0.00	8.18	0.00	0.00	0.06	
291	S Ch CO6	-0.34	0.00	8.09	0.00	0.00	-0.04	
294	S Ch CO6	-0.30	0.00	7.59	0.00	0.00	0.11	
297	S Ch CO6	-0.44	0.01	9.55	0.00	0.00	-0.48	
301	S Ch CO6	-0.19	0.04	7.97	0.00	0.00	0.94	
326	S Ch CO6	0.00	-0.01	0.17	0.00	0.00	-0.02	
327	S Ch CO6	0.24	0.03	5.07	0.00	0.00	0.21	
330	S Ch CO6	0.33	-0.01	6.50	0.00	0.00	-0.05	
333	S Ch CO6	0.32	0.00	6.30	0.00	0.00	0.01	
336	S Ch CO6	0.32	0.00	6.34	0.00	0.00	0.00	
339	S Ch CO6	0.32	0.00	6.36	0.00	0.00	0.01	
342	S Ch CO6	0.31	-0.01	6.21	0.00	0.00	-0.04	
345	S Ch CO6	0.36	0.03	6.89	0.00	0.00	0.16	
348	S Ch CO6	0.41	-0.11	2.46	0.00	0.00	-0.47	
349	S Ch CO6	-0.36	0.00	2.44	0.00	0.00	0.50	
350	S Ch CO6	-0.20	0.00	5.02	0.00	0.00	-0.21	
353	S Ch CO6	-0.26	0.00	6.43	0.00	0.00	0.05	
356	S Ch CO6	-0.25	0.00	6.23	0.00	0.00	-0.01	
359	S Ch CO6	-0.25	0.00	6.27	0.00	0.00	0.00	
362	S Ch CO6	-0.25	0.00	6.30	0.00	0.00	-0.01	
365	S Ch CO6	-0.24	0.00	6.14	0.00	0.00	0.04	
368	S Ch CO6	-0.28	0.00	6.83	0.00	0.00	-0.16	
372	S Ch CO6	0.00	0.00	0.17	0.00	0.00	0.02	
373	S Ch CO6	0.36	-0.01	2.44	0.00	0.00	-0.50	
374	S Ch CO6	0.20	0.00	5.02	0.00	0.00	0.21	
377	S Ch CO6	0.26	-0.03	6.43	0.00	0.00	-0.03	
380	S Ch CO6	0.25	0.01	6.23	0.00	0.00	0.01	
383	S Ch CO6	0.25	0.00	6.27	0.00	0.00	0.00	
386	S Ch CO6	0.25	0.00	6.30	0.00	0.00	0.01	
389	S Ch CO6	0.24	0.00	6.14	0.00	0.00	-0.04	
392	S Ch CO6	0.28	0.00	6.83	0.00	0.00	0.16	
396	S Ch CO6	0.00	0.00	0.17	0.00	0.00	-0.02	
397	S Ch CO6	-1.15	-0.06	1.84	0.00	0.00	0.37	
401	S Ch CO6	-0.36	0.04	2.26	0.00	0.00	-0.36	
404	S Ch CO6	0.15	0.00	6.87	0.00	0.00	0.10	
407	S Ch CO6	0.07	0.00	6.30	0.00	0.00	-0.01	
410	S Ch CO6	0.26	0.00	6.45	0.00	0.00	0.01	
413	S Ch CO6	-0.49	0.01	6.12	0.00	0.00	0.01	
416	S Ch CO6	0.04	0.00	8.19	0.00	0.00	-0.10	
Total max/min values with corresponding values								
109	S Ch CO6	P_x 2.09	-0.01	2.62	0.00	0.00	0.03	
112		-3.55	-0.01	2.59	0.00	0.00	-0.03	
192		P_y -0.48	0.08	3.49	0.00	0.00	0.54	
114		0.00	-0.20	0.87	0.00	0.00	0.12	
162		-0.63	-0.05	11.07	0.00	0.00	-0.71	
191		-0.01	0.01	-0.02	0.00	0.00	0.02	
1		M_k 0.00	-0.02	0.88	0.00	0.00	0.01	
1		0.00	-0.02	0.88	0.00	0.00	0.01	
1		M_y 0.00	-0.02	0.88	0.00	0.00	0.01	
1		0.00	-0.02	0.88	0.00	0.00	0.01	
166		M_z -0.43	0.07	7.93	0.00	0.00	1.38	
162		-0.63	-0.05	11.07	0.00	0.00	-0.71	
Sum of loads and sum of support forces								
S Ch CO6		P_x [kN]	P_y [kN]	P_z [kN]				
Σ		0.00	0.00	717.36	Loads			
Σ		0.00	0.00	717.36	Support Forces			
1	S Ch CO7	0.00	-0.06	2.66	0.00	0.00	0.03	
6	S Ch CO7	-0.03	-0.04	1.33	0.00	0.00	-0.03	
9	S Ch CO7	0.00	0.18	5.19	0.00	0.00	-0.11	
12	S Ch CO7	-0.05	0.13	2.60	0.00	0.00	0.10	
14	S Ch CO7	4.76	0.06	7.01	0.00	0.00	-0.08	
17	S Ch CO7	-7.47	0.06	3.75	0.00	0.00	0.07	
19	S Ch CO7	4.60	-0.09	6.75	0.00	0.00	0.10	
22	S Ch CO7	-6.53	-0.08	3.62	0.00	0.00	-0.09	
24	S Ch CO7	0.00	-0.04	5.19	0.00	0.00	0.02	
27	S Ch CO7	-0.03	0.18	3.92	0.00	0.00	0.08	
29	S Ch CO7	3.92	0.07	6.45	0.00	0.00	-0.08	
32	S Ch CO7	-4.65	0.05	7.01	0.00	0.00	0.08	
34	S Ch CO7	3.94	-0.07	6.51	0.00	0.00	0.08	
37	S Ch CO7	-3.33	-0.08	6.76	0.00	0.00	-0.10	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
39	S Ch C07	0.00	0.01	5.19	0.00	0.00	-0.01	
42	S Ch C07	0.03	-0.03	4.96	0.00	0.00	-0.01	
44	S Ch C07	4.08	0.07	6.57	0.00	0.00	-0.08	
47	S Ch C07	-5.63	0.07	6.49	0.00	0.00	0.08	
49	S Ch C07	4.07	-0.07	6.56	0.00	0.00	0.08	
52	S Ch C07	-4.37	-0.06	6.50	0.00	0.00	-0.07	
54	S Ch C07	0.00	0.00	5.19	0.00	0.00	0.00	
57	S Ch C07	0.02	0.00	5.04	0.00	0.00	0.00	
59	S Ch C07	4.03	0.07	6.54	0.00	0.00	-0.08	
62	S Ch C07	-5.40	0.07	6.58	0.00	0.00	0.08	
64	S Ch C07	4.03	-0.07	6.53	0.00	0.00	0.08	
67	S Ch C07	-3.95	-0.07	6.52	0.00	0.00	-0.08	
69	S Ch C07	0.00	0.01	5.19	0.00	0.00	0.00	
72	S Ch C07	0.02	0.00	4.99	0.00	0.00	0.00	
74	S Ch C07	4.12	0.07	6.58	0.00	0.00	-0.08	
77	S Ch C07	-5.60	0.07	6.57	0.00	0.00	0.08	
79	S Ch C07	4.13	-0.07	6.62	0.00	0.00	0.08	
82	S Ch C07	-4.73	-0.07	6.62	0.00	0.00	-0.08	
84	S Ch C07	0.00	-0.03	5.20	0.00	0.00	0.02	
87	S Ch C07	0.01	-0.02	5.15	0.00	0.00	-0.01	
89	S Ch C07	3.70	0.06	6.42	0.00	0.00	-0.07	
92	S Ch C07	-4.89	0.06	6.47	0.00	0.00	0.07	
94	S Ch C07	3.63	-0.08	6.23	0.00	0.00	0.08	
97	S Ch C07	-1.43	-0.08	6.05	0.00	0.00	-0.08	
99	S Ch C07	0.00	0.13	5.18	0.00	0.00	-0.08	
102	S Ch C07	0.10	0.11	4.20	0.00	0.00	0.07	
104	S Ch C07	5.85	0.12	7.22	0.00	0.00	-0.15	
107	S Ch C07	-3.49	0.11	7.10	0.00	0.00	0.14	
109	S Ch C07	6.39	-0.03	8.08	0.00	0.00	0.08	
112	S Ch C07	-10.82	-0.03	8.00	0.00	0.00	-0.08	
114	S Ch C07	0.00	-0.60	2.62	0.00	0.00	0.38	
117	S Ch C07	-0.04	-0.57	3.02	0.00	0.00	-0.36	
126	S Ch C07	0.01	0.02	0.17	0.00	0.00	-0.02	
127	S Ch C07	0.92	-0.06	20.54	0.00	0.00	0.68	
130	S Ch C07	1.34	0.02	26.40	0.00	0.00	-0.18	
133	S Ch C07	1.24	0.00	25.36	0.00	0.00	0.05	
136	S Ch C07	1.26	0.00	25.56	0.00	0.00	-0.02	
139	S Ch C07	1.27	0.00	25.73	0.00	0.00	0.04	
142	S Ch C07	1.18	0.02	24.81	0.00	0.00	-0.16	
145	S Ch C07	1.55	-0.06	28.53	0.00	0.00	0.64	
148	S Ch C07	1.61	0.22	10.28	0.00	0.00	-1.33	
149	S Ch C07	-0.01	0.02	0.13	0.00	0.00	0.02	
150	S Ch C07	-0.89	-0.06	20.29	0.00	0.00	-0.70	
153	S Ch C07	-1.37	0.02	26.29	0.00	0.00	0.26	
156	S Ch C07	-1.33	-0.01	25.97	0.00	0.00	-0.15	
159	S Ch C07	-1.08	0.04	23.02	0.00	0.00	0.60	
162	S Ch C07	-1.92	-0.14	33.71	0.00	0.00	-2.17	
166	S Ch C07	-1.28	0.20	23.96	0.00	0.00	4.25	
168	S Ch C07	0.00	0.02	-0.14	0.00	0.00	-0.06	
169	S Ch C07	1.75	0.23	10.02	0.00	0.00	-1.81	
170	S Ch C07	0.93	-0.07	19.64	0.00	0.00	0.82	
173	S Ch C07	1.32	0.02	25.24	0.00	0.00	-0.23	
176	S Ch C07	1.22	0.00	24.12	0.00	0.00	0.06	
179	S Ch C07	1.24	0.00	24.35	0.00	0.00	-0.03	
182	S Ch C07	1.25	0.00	24.53	0.00	0.00	0.05	
185	S Ch C07	1.16	0.01	23.53	0.00	0.00	-0.20	
188	S Ch C07	1.53	-0.05	27.54	0.00	0.00	0.80	
191	S Ch C07	-0.02	0.02	-0.17	0.00	0.00	0.06	
192	S Ch C07	-1.47	0.25	10.48	0.00	0.00	1.64	
193	S Ch C07	-0.73	-0.07	20.39	0.00	0.00	-0.67	
196	S Ch C07	-0.92	0.02	26.22	0.00	0.00	0.22	
199	S Ch C07	-0.83	0.00	25.03	0.00	0.00	-0.06	
202	S Ch C07	-0.85	0.00	25.27	0.00	0.00	0.03	
205	S Ch C07	-0.87	0.00	25.46	0.00	0.00	-0.05	
208	S Ch C07	-0.79	0.01	24.40	0.00	0.00	0.20	
211	S Ch C07	-1.10	-0.06	28.66	0.00	0.00	-0.76	
214	S Ch C07	0.02	0.02	-0.17	0.00	0.00	-0.06	
215	S Ch C07	1.47	0.25	10.48	0.00	0.00	-1.63	
216	S Ch C07	0.72	-0.07	20.38	0.00	0.00	0.67	
219	S Ch C07	0.92	0.02	26.22	0.00	0.00	-0.21	
222	S Ch C07	0.83	0.00	25.03	0.00	0.00	0.06	
225	S Ch C07	0.85	0.00	25.27	0.00	0.00	-0.03	
228	S Ch C07	0.87	0.00	25.46	0.00	0.00	0.05	
231	S Ch C07	0.79	0.01	24.40	0.00	0.00	-0.20	
234	S Ch C07	1.10	-0.06	28.66	0.00	0.00	0.76	
237	S Ch C07	1.26	0.02	0.47	0.00	0.00	0.02	
238	S Ch C07	0.10	0.22	9.39	0.00	0.00	0.75	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
239	S Ch CO7	2.83	-0.07	19.21	0.00	0.00	-0.31	
242	S Ch CO7	2.44	0.02	24.66	0.00	0.00	0.11	
245	S Ch CO7	2.55	0.00	23.81	0.00	0.00	-0.03	
248	S Ch CO7	2.53	0.00	23.97	0.00	0.00	0.01	
251	S Ch CO7	2.51	0.00	24.09	0.00	0.00	-0.02	
254	S Ch CO7	2.62	0.02	23.42	0.00	0.00	0.09	
257	S Ch CO7	2.19	-0.07	26.34	0.00	0.00	-0.38	
260	S Ch CO7	-1.26	0.02	0.47	0.00	0.00	-0.02	
261	S Ch CO7	-0.10	0.22	9.39	0.00	0.00	-0.75	
262	S Ch CO7	-2.83	-0.07	19.21	0.00	0.00	0.31	
265	S Ch CO7	-2.44	0.02	24.66	0.00	0.00	-0.11	
268	S Ch CO7	-2.55	0.00	23.81	0.00	0.00	0.03	
271	S Ch CO7	-2.53	0.00	23.98	0.00	0.00	-0.01	
274	S Ch CO7	-2.51	0.00	24.09	0.00	0.00	0.02	
277	S Ch CO7	-2.62	0.02	23.42	0.00	0.00	-0.09	
280	S Ch CO7	-2.19	-0.07	26.34	0.00	0.00	0.38	
283	S Ch CO7	0.01	-0.22	-0.14	0.00	0.00	-0.08	
285	S Ch CO7	-0.32	0.05	21.36	0.00	0.00	-0.72	
288	S Ch CO7	-1.14	0.01	24.82	0.00	0.00	0.19	
291	S Ch CO7	-1.02	0.00	24.53	0.00	0.00	-0.13	
294	S Ch CO7	-0.92	-0.01	23.01	0.00	0.00	0.33	
297	S Ch CO7	-1.32	0.03	29.01	0.00	0.00	-1.46	
301	S Ch CO7	-0.55	0.12	24.07	0.00	0.00	2.91	
326	S Ch CO7	0.01	-0.03	0.44	0.00	0.00	-0.06	
327	S Ch CO7	0.73	0.09	15.43	0.00	0.00	0.65	
330	S Ch CO7	1.02	-0.03	19.78	0.00	0.00	-0.14	
333	S Ch CO7	0.97	0.01	19.18	0.00	0.00	0.03	
336	S Ch CO7	0.98	0.00	19.29	0.00	0.00	-0.01	
339	S Ch CO7	0.98	0.01	19.36	0.00	0.00	0.03	
342	S Ch CO7	0.95	-0.02	18.91	0.00	0.00	-0.11	
345	S Ch CO7	1.11	0.09	20.98	0.00	0.00	0.48	
348	S Ch CO7	1.25	-0.33	7.39	0.00	0.00	-1.42	
349	S Ch CO7	-1.09	-0.01	7.33	0.00	0.00	1.53	
350	S Ch CO7	-0.61	-0.01	15.28	0.00	0.00	-0.64	
353	S Ch CO7	-0.79	0.00	19.58	0.00	0.00	0.14	
356	S Ch CO7	-0.76	0.00	18.97	0.00	0.00	-0.03	
359	S Ch CO7	-0.76	0.00	19.08	0.00	0.00	0.01	
362	S Ch CO7	-0.77	0.00	19.16	0.00	0.00	-0.03	
365	S Ch CO7	-0.74	0.00	18.70	0.00	0.00	0.11	
368	S Ch CO7	-0.86	-0.01	20.78	0.00	0.00	-0.49	
372	S Ch CO7	-0.01	0.00	0.42	0.00	0.00	0.08	
373	S Ch CO7	1.09	-0.02	7.33	0.00	0.00	-1.52	
374	S Ch CO7	0.61	0.00	15.27	0.00	0.00	0.63	
377	S Ch CO7	0.79	-0.09	19.58	0.00	0.00	-0.08	
380	S Ch CO7	0.75	0.03	18.98	0.00	0.00	0.02	
383	S Ch CO7	0.77	-0.01	19.08	0.00	0.00	-0.01	
386	S Ch CO7	0.77	0.00	19.16	0.00	0.00	0.03	
389	S Ch CO7	0.74	-0.01	18.70	0.00	0.00	-0.11	
392	S Ch CO7	0.86	0.00	20.78	0.00	0.00	0.49	
396	S Ch CO7	0.01	-0.01	0.42	0.00	0.00	-0.07	
397	S Ch CO7	-3.55	-0.17	5.47	0.00	0.00	1.12	
401	S Ch CO7	-1.10	0.11	6.79	0.00	0.00	-1.09	
404	S Ch CO7	0.46	-0.01	20.92	0.00	0.00	0.29	
407	S Ch CO7	0.19	0.00	19.16	0.00	0.00	-0.04	
410	S Ch CO7	0.79	-0.01	19.64	0.00	0.00	0.03	
413	S Ch CO7	-1.51	0.04	18.63	0.00	0.00	0.03	
416	S Ch CO7	0.10	-0.01	24.94	0.00	0.00	-0.29	
Total max/min values with corresponding values								
109	S Ch CO7	P _x	6.39	-0.03	8.08	0.00	0.00	0.08
112			-10.82	-0.03	8.00	0.00	0.00	-0.08
192		P _y	-1.47	0.25	10.48	0.00	0.00	1.64
114			0.00	-0.60	2.62	0.00	0.00	0.38
162		P _z	-1.92	-0.14	33.71	0.00	0.00	-2.17
191			-0.02	0.02	-0.17	0.00	0.00	0.06
1		M _k	0.00	-0.06	2.66	0.00	0.00	0.03
1			0.00	-0.06	2.66	0.00	0.00	0.03
1		M _y	0.00	-0.06	2.66	0.00	0.00	0.03
1			0.00	-0.06	2.66	0.00	0.00	0.03
166		M _z	-1.28	0.20	23.96	0.00	0.00	4.25
162			-1.92	-0.14	33.71	0.00	0.00	-2.17
Sum of loads and sum of support forces								
Σ	S Ch CO7	P _x [kN]	0.00	P _y [kN]	0.00	P _z [kN]	2182.32	Loads
Σ			0.00		0.00		2182.32	Support Forces
1	S Ch CO8		0.00	-0.05	2.39	0.00	0.00	0.03



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
6	S Ch CO8	-0.02	-0.04	1.20	0.00	0.00	-0.03	
9	S Ch CO8	0.00	0.16	4.65	0.00	0.00	-0.10	
12	S Ch CO8	-0.05	0.11	2.33	0.00	0.00	0.09	
14	S Ch CO8	3.68	0.05	6.24	0.00	0.00	-0.07	
17	S Ch CO8	-5.94	0.05	3.31	0.00	0.00	0.06	
19	S Ch CO8	3.56	-0.08	6.02	0.00	0.00	0.09	
22	S Ch CO8	-5.17	-0.07	3.19	0.00	0.00	-0.08	
24	S Ch CO8	0.00	-0.03	4.65	0.00	0.00	0.02	
27	S Ch CO8	-0.02	0.17	3.52	0.00	0.00	0.08	
29	S Ch CO8	3.06	0.07	5.76	0.00	0.00	-0.07	
32	S Ch CO8	-3.62	0.05	6.27	0.00	0.00	0.07	
34	S Ch CO8	3.08	-0.06	5.81	0.00	0.00	0.07	
37	S Ch CO8	-2.59	-0.07	6.04	0.00	0.00	-0.09	
39	S Ch CO8	0.00	0.01	4.66	0.00	0.00	0.00	
42	S Ch CO8	0.02	-0.03	4.46	0.00	0.00	-0.01	
44	S Ch CO8	3.18	0.06	5.86	0.00	0.00	-0.07	
47	S Ch CO8	-4.45	0.07	5.79	0.00	0.00	0.07	
49	S Ch CO8	3.17	-0.06	5.85	0.00	0.00	0.07	
52	S Ch CO8	-3.41	-0.06	5.79	0.00	0.00	-0.07	
54	S Ch CO8	0.00	0.00	4.66	0.00	0.00	0.00	
57	S Ch CO8	0.01	0.00	4.53	0.00	0.00	0.00	
59	S Ch CO8	3.14	0.06	5.83	0.00	0.00	-0.07	
62	S Ch CO8	-4.27	0.06	5.87	0.00	0.00	0.07	
64	S Ch CO8	3.14	-0.06	5.82	0.00	0.00	0.07	
67	S Ch CO8	-3.08	-0.06	5.82	0.00	0.00	-0.07	
69	S Ch CO8	0.00	0.01	4.66	0.00	0.00	0.00	
72	S Ch CO8	0.02	0.00	4.48	0.00	0.00	0.00	
74	S Ch CO8	3.21	0.07	5.86	0.00	0.00	-0.08	
77	S Ch CO8	-4.42	0.06	5.86	0.00	0.00	0.07	
79	S Ch CO8	3.21	-0.06	5.90	0.00	0.00	0.07	
82	S Ch CO8	-3.70	-0.06	5.90	0.00	0.00	-0.07	
84	S Ch CO8	0.00	-0.03	4.66	0.00	0.00	0.02	
87	S Ch CO8	0.01	-0.02	4.62	0.00	0.00	-0.01	
89	S Ch CO8	2.90	0.05	5.73	0.00	0.00	-0.06	
92	S Ch CO8	-3.87	0.05	5.77	0.00	0.00	0.06	
94	S Ch CO8	2.86	-0.07	5.57	0.00	0.00	0.07	
97	S Ch CO8	-1.10	-0.07	5.42	0.00	0.00	-0.07	
99	S Ch CO8	0.00	0.11	4.65	0.00	0.00	-0.07	
102	S Ch CO8	0.09	0.10	3.84	0.00	0.00	0.06	
104	S Ch CO8	4.49	0.11	6.42	0.00	0.00	-0.13	
107	S Ch CO8	-2.63	0.10	6.31	0.00	0.00	0.13	
109	S Ch CO8	4.87	-0.03	7.17	0.00	0.00	0.07	
112	S Ch CO8	-8.51	-0.02	7.11	0.00	0.00	-0.07	
114	S Ch CO8	0.00	-0.54	2.35	0.00	0.00	0.34	
117	S Ch CO8	-0.03	-0.52	2.68	0.00	0.00	-0.33	
126	S Ch CO8	0.01	0.02	0.15	0.00	0.00	-0.02	
127	S Ch CO8	0.70	-0.05	15.83	0.00	0.00	0.52	
130	S Ch CO8	1.02	0.01	20.35	0.00	0.00	-0.14	
133	S Ch CO8	0.94	0.00	19.55	0.00	0.00	0.04	
136	S Ch CO8	0.96	0.00	19.71	0.00	0.00	-0.02	
139	S Ch CO8	0.97	0.00	19.84	0.00	0.00	0.03	
142	S Ch CO8	0.90	0.01	19.13	0.00	0.00	-0.13	
145	S Ch CO8	1.19	-0.05	21.99	0.00	0.00	0.50	
148	S Ch CO8	1.23	0.18	7.93	0.00	0.00	-1.02	
149	S Ch CO8	-0.01	0.02	0.11	0.00	0.00	0.02	
150	S Ch CO8	-0.68	-0.05	15.59	0.00	0.00	-0.54	
153	S Ch CO8	-1.05	0.02	20.27	0.00	0.00	0.20	
156	S Ch CO8	-1.02	-0.01	20.02	0.00	0.00	-0.12	
159	S Ch CO8	-0.83	0.03	17.72	0.00	0.00	0.47	
162	S Ch CO8	-1.48	-0.11	26.04	0.00	0.00	-1.69	
166	S Ch CO8	-0.98	0.16	18.45	0.00	0.00	3.30	
168	S Ch CO8	0.00	0.02	-0.16	0.00	0.00	-0.05	
169	S Ch CO8	1.46	0.22	8.32	0.00	0.00	-1.52	
170	S Ch CO8	0.77	-0.06	16.26	0.00	0.00	0.68	
173	S Ch CO8	1.09	0.02	20.89	0.00	0.00	-0.19	
176	S Ch CO8	1.00	0.00	19.94	0.00	0.00	0.05	
179	S Ch CO8	1.02	0.00	20.14	0.00	0.00	-0.02	
182	S Ch CO8	1.04	0.00	20.29	0.00	0.00	0.05	
185	S Ch CO8	0.96	0.01	19.44	0.00	0.00	-0.17	
188	S Ch CO8	1.27	-0.05	22.83	0.00	0.00	0.68	
191	S Ch CO8	-0.01	0.02	-0.18	0.00	0.00	0.05	
192	S Ch CO8	-1.25	0.23	8.68	0.00	0.00	1.39	
193	S Ch CO8	-0.61	-0.07	16.85	0.00	0.00	-0.57	
196	S Ch CO8	-0.78	0.02	21.66	0.00	0.00	0.18	
199	S Ch CO8	-0.71	0.00	20.66	0.00	0.00	-0.05	
202	S Ch CO8	-0.72	0.00	20.86	0.00	0.00	0.02	
205	S Ch CO8	-0.74	0.00	21.03	0.00	0.00	-0.04	



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RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
208	S Ch CO8	-0.67	0.01	20.13	0.00	0.00	0.17	
211	S Ch CO8	-0.94	-0.05	23.71	0.00	0.00	-0.65	
214	S Ch CO8	0.01	0.02	-0.17	0.00	0.00	-0.05	
215	S Ch CO8	1.25	0.23	8.68	0.00	0.00	-1.39	
216	S Ch CO8	0.61	-0.07	16.84	0.00	0.00	0.57	
219	S Ch CO8	0.78	0.02	21.66	0.00	0.00	-0.18	
222	S Ch CO8	0.71	0.00	20.66	0.00	0.00	0.05	
225	S Ch CO8	0.72	0.00	20.86	0.00	0.00	-0.02	
228	S Ch CO8	0.74	0.00	21.03	0.00	0.00	0.04	
231	S Ch CO8	0.67	0.01	20.13	0.00	0.00	-0.17	
234	S Ch CO8	0.94	-0.05	23.71	0.00	0.00	0.65	
237	S Ch CO8	1.05	0.02	0.38	0.00	0.00	0.02	
238	S Ch CO8	0.17	0.18	7.25	0.00	0.00	0.58	
239	S Ch CO8	2.31	-0.06	14.80	0.00	0.00	-0.24	
242	S Ch CO8	2.04	0.02	18.99	0.00	0.00	0.09	
245	S Ch CO8	2.13	0.00	18.34	0.00	0.00	-0.02	
248	S Ch CO8	2.11	0.00	18.46	0.00	0.00	0.01	
251	S Ch CO8	2.09	0.00	18.55	0.00	0.00	-0.02	
254	S Ch CO8	2.18	0.01	18.02	0.00	0.00	0.08	
257	S Ch CO8	1.84	-0.05	20.29	0.00	0.00	-0.30	
260	S Ch CO8	-1.05	0.02	0.38	0.00	0.00	-0.02	
261	S Ch CO8	-0.17	0.18	7.25	0.00	0.00	-0.58	
262	S Ch CO8	-2.31	-0.06	14.80	0.00	0.00	0.24	
265	S Ch CO8	-2.04	0.02	18.99	0.00	0.00	-0.09	
268	S Ch CO8	-2.13	0.00	18.34	0.00	0.00	0.02	
271	S Ch CO8	-2.11	0.00	18.46	0.00	0.00	-0.01	
274	S Ch CO8	-2.09	0.00	18.55	0.00	0.00	0.02	
277	S Ch CO8	-2.18	0.01	18.02	0.00	0.00	-0.08	
280	S Ch CO8	-1.84	-0.05	20.29	0.00	0.00	0.30	
283	S Ch CO8	0.01	-0.20	-0.16	0.00	0.00	-0.08	
285	S Ch CO8	-0.22	0.04	17.85	0.00	0.00	-0.60	
288	S Ch CO8	-0.93	0.01	20.53	0.00	0.00	0.16	
291	S Ch CO8	-0.82	0.00	20.29	0.00	0.00	-0.11	
294	S Ch CO8	-0.74	-0.01	19.07	0.00	0.00	0.27	
297	S Ch CO8	-1.07	0.02	23.93	0.00	0.00	-1.19	
301	S Ch CO8	-0.43	0.12	20.03	0.00	0.00	2.37	
326	S Ch CO8	0.02	-0.03	0.44	0.00	0.00	-0.05	
327	S Ch CO8	0.68	0.08	14.13	0.00	0.00	0.59	
330	S Ch CO8	0.95	-0.02	18.14	0.00	0.00	-0.12	
333	S Ch CO8	0.90	0.01	17.60	0.00	0.00	0.03	
336	S Ch CO8	0.91	0.00	17.69	0.00	0.00	-0.01	
339	S Ch CO8	0.92	0.00	17.76	0.00	0.00	0.02	
342	S Ch CO8	0.89	-0.02	17.36	0.00	0.00	-0.09	
345	S Ch CO8	1.03	0.08	19.21	0.00	0.00	0.42	
348	S Ch CO8	1.15	-0.28	6.77	0.00	0.00	-1.29	
349	S Ch CO8	-1.02	0.01	6.73	0.00	0.00	1.39	
350	S Ch CO8	-0.58	-0.02	14.02	0.00	0.00	-0.59	
353	S Ch CO8	-0.76	0.00	17.97	0.00	0.00	0.13	
356	S Ch CO8	-0.73	0.00	17.43	0.00	0.00	-0.03	
359	S Ch CO8	-0.74	0.00	17.53	0.00	0.00	0.01	
362	S Ch CO8	-0.74	0.00	17.60	0.00	0.00	-0.03	
365	S Ch CO8	-0.72	0.00	17.19	0.00	0.00	0.10	
368	S Ch CO8	-0.82	-0.01	19.05	0.00	0.00	-0.44	
372	S Ch CO8	-0.01	0.00	0.42	0.00	0.00	0.07	
373	S Ch CO8	1.02	0.00	6.73	0.00	0.00	-1.38	
374	S Ch CO8	0.58	0.00	14.01	0.00	0.00	0.58	
377	S Ch CO8	0.76	-0.08	17.98	0.00	0.00	-0.07	
380	S Ch CO8	0.73	0.03	17.43	0.00	0.00	0.02	
383	S Ch CO8	0.74	-0.01	17.53	0.00	0.00	-0.01	
386	S Ch CO8	0.74	0.00	17.60	0.00	0.00	0.02	
389	S Ch CO8	0.72	-0.01	17.19	0.00	0.00	-0.10	
392	S Ch CO8	0.82	0.00	19.05	0.00	0.00	0.44	
396	S Ch CO8	0.01	0.00	0.43	0.00	0.00	-0.07	
397	S Ch CO8	-2.94	-0.15	5.17	0.00	0.00	1.03	
401	S Ch CO8	-1.02	0.10	6.26	0.00	0.00	-1.00	
404	S Ch CO8	0.23	-0.01	19.13	0.00	0.00	0.27	
407	S Ch CO8	0.03	0.00	17.56	0.00	0.00	-0.04	
410	S Ch CO8	0.50	-0.01	17.97	0.00	0.00	0.02	
413	S Ch CO8	-1.32	0.04	17.13	0.00	0.00	0.03	
416	S Ch CO8	-0.06	-0.01	22.49	0.00	0.00	-0.26	
Total max/min values with corresponding values								
109	S Ch CO8	P _x	4.87	-0.03	7.17	0.00	0.00	0.07
112			-8.51	-0.02	7.11	0.00	0.00	-0.07
192		P _y	-1.25	0.23	8.68	0.00	0.00	1.39
114			0.00	-0.54	2.35	0.00	0.00	0.34
162		P _z	-1.48	-0.11	26.04	0.00	0.00	-1.69
191			-0.01	0.02	-0.18	0.00	0.00	0.05



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
1		M _k	0.00	-0.05	2.39	0.00	0.00	0.03	
1			0.00	-0.05	2.39	0.00	0.00	0.03	
1		M _y	0.00	-0.05	2.39	0.00	0.00	0.03	
1			0.00	-0.05	2.39	0.00	0.00	0.03	
166		M _z	-0.98	0.16	18.45	0.00	0.00	3.30	
162			-1.48	-0.11	26.04	0.00	0.00	-1.69	
Sum of loads and sum of support forces									
Σ			P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ			0.00	0.00	1831.08	Support Forces			
1	SCh CO9		0.00	-0.01	0.42	0.00	0.00	0.01	
6	SCh CO9		-0.01	-0.01	0.21	0.00	0.00	-0.01	
9	SCh CO9		0.00	0.03	0.78	0.00	0.00	-0.02	
12	SCh CO9		-0.01	0.02	0.39	0.00	0.00	0.02	
14	SCh CO9		-0.25	0.01	0.98	0.00	0.00	-0.01	
17	SCh CO9		0.11	0.01	0.48	0.00	0.00	0.01	
19	SCh CO9		-0.22	-0.01	0.95	0.00	0.00	0.02	
22	SCh CO9		0.14	-0.01	0.46	0.00	0.00	-0.02	
24	SCh CO9		0.00	-0.01	0.77	0.00	0.00	0.00	
27	SCh CO9		-0.01	0.04	0.60	0.00	0.00	0.02	
29	SCh CO9		-0.15	0.01	0.92	0.00	0.00	-0.01	
32	SCh CO9		0.20	0.01	1.03	0.00	0.00	0.01	
34	SCh CO9		-0.15	-0.01	0.93	0.00	0.00	0.01	
37	SCh CO9		0.14	-0.01	0.97	0.00	0.00	-0.02	
39	SCh CO9		0.00	0.00	0.77	0.00	0.00	0.00	
42	SCh CO9		0.00	-0.01	0.76	0.00	0.00	0.00	
44	SCh CO9		-0.17	0.01	0.93	0.00	0.00	-0.01	
47	SCh CO9		0.12	0.01	0.92	0.00	0.00	0.01	
49	SCh CO9		-0.17	-0.01	0.93	0.00	0.00	0.01	
52	SCh CO9		0.17	-0.01	0.93	0.00	0.00	-0.01	
54	SCh CO9		0.00	0.00	0.77	0.00	0.00	0.00	
57	SCh CO9		0.00	0.00	0.77	0.00	0.00	0.00	
59	SCh CO9		-0.16	0.01	0.93	0.00	0.00	-0.01	
62	SCh CO9		0.13	0.01	0.94	0.00	0.00	0.01	
64	SCh CO9		-0.16	-0.01	0.93	0.00	0.00	0.01	
67	SCh CO9		0.16	-0.01	0.93	0.00	0.00	-0.01	
69	SCh CO9		0.00	0.00	0.77	0.00	0.00	0.00	
72	SCh CO9		0.00	0.00	0.76	0.00	0.00	0.00	
74	SCh CO9		-0.18	0.01	0.93	0.00	0.00	-0.01	
77	SCh CO9		0.14	0.01	0.94	0.00	0.00	0.01	
79	SCh CO9		-0.18	-0.01	0.94	0.00	0.00	0.01	
82	SCh CO9		0.18	-0.01	0.94	0.00	0.00	-0.01	
84	SCh CO9		0.00	0.00	0.77	0.00	0.00	0.00	
87	SCh CO9		0.00	0.00	0.77	0.00	0.00	0.00	
89	SCh CO9		-0.12	0.01	0.92	0.00	0.00	-0.01	
92	SCh CO9		0.09	0.01	0.93	0.00	0.00	0.01	
94	SCh CO9		-0.11	-0.01	0.91	0.00	0.00	0.01	
97	SCh CO9		0.09	-0.01	0.89	0.00	0.00	-0.01	
99	SCh CO9		0.00	0.02	0.77	0.00	0.00	-0.01	
102	SCh CO9		0.00	0.02	0.73	0.00	0.00	0.01	
104	SCh CO9		-0.36	0.02	1.00	0.00	0.00	-0.02	
107	SCh CO9		0.27	0.02	0.98	0.00	0.00	0.02	
109	SCh CO9		-0.44	0.00	1.09	0.00	0.00	0.01	
112	SCh CO9		0.31	0.00	1.10	0.00	0.00	-0.01	
114	SCh CO9		0.00	-0.10	0.42	0.00	0.00	0.06	
117	SCh CO9		0.00	-0.10	0.43	0.00	0.00	-0.06	
126	SCh CO9		0.00	0.00	0.06	0.00	0.00	0.00	
127	SCh CO9		-0.06	0.00	-1.08	0.00	0.00	-0.04	
130	SCh CO9		-0.09	0.00	-1.40	0.00	0.00	0.01	
133	SCh CO9		-0.08	0.00	-1.34	0.00	0.00	0.00	
136	SCh CO9		-0.08	0.00	-1.35	0.00	0.00	0.00	
139	SCh CO9		-0.08	0.00	-1.36	0.00	0.00	0.00	
142	SCh CO9		-0.08	0.00	-1.31	0.00	0.00	0.01	
145	SCh CO9		-0.09	0.00	-1.52	0.00	0.00	-0.03	
148	SCh CO9		-0.11	0.00	-0.50	0.00	0.00	0.07	
149	SCh CO9		0.00	0.00	0.05	0.00	0.00	0.00	
150	SCh CO9		0.07	0.00	-1.14	0.00	0.00	0.04	
153	SCh CO9		0.08	0.00	-1.39	0.00	0.00	-0.01	
156	SCh CO9		0.08	0.00	-1.37	0.00	0.00	0.01	
159	SCh CO9		0.07	0.00	-1.25	0.00	0.00	-0.02	
162	SCh CO9		0.11	0.00	-1.71	0.00	0.00	0.09	
166	SCh CO9		0.09	-0.01	-1.25	0.00	0.00	-0.20	
168	SCh CO9		-0.01	0.01	-0.04	0.00	0.00	0.00	
169	SCh CO9		0.10	0.05	0.51	0.00	0.00	-0.12	
170	SCh CO9		0.04	-0.02	0.85	0.00	0.00	0.05	



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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
173	S Ch C09	0.06	0.00	1.07	0.00	0.00	-0.02	
176	S Ch C09	0.05	0.00	0.99	0.00	0.00	0.00	
179	S Ch C09	0.05	0.00	1.01	0.00	0.00	0.00	
182	S Ch C09	0.05	0.00	1.02	0.00	0.00	0.00	
185	S Ch C09	0.05	0.00	0.94	0.00	0.00	-0.02	
188	S Ch C09	0.07	-0.01	1.23	0.00	0.00	0.06	
191	S Ch C09	0.00	0.01	-0.03	0.00	0.00	0.00	
192	S Ch C09	-0.13	0.05	0.49	0.00	0.00	0.13	
193	S Ch C09	-0.05	-0.02	0.82	0.00	0.00	-0.05	
196	S Ch C09	-0.07	0.00	1.04	0.00	0.00	0.02	
199	S Ch C09	-0.07	0.00	0.97	0.00	0.00	0.00	
202	S Ch C09	-0.07	0.00	0.98	0.00	0.00	0.00	
205	S Ch C09	-0.07	0.00	1.00	0.00	0.00	0.00	
208	S Ch C09	-0.06	0.00	0.93	0.00	0.00	0.02	
211	S Ch C09	-0.09	-0.01	1.19	0.00	0.00	-0.06	
214	S Ch C09	0.00	0.01	-0.03	0.00	0.00	0.00	
215	S Ch C09	0.13	0.05	0.49	0.00	0.00	-0.13	
216	S Ch C09	0.05	-0.02	0.82	0.00	0.00	0.05	
219	S Ch C09	0.07	0.00	1.04	0.00	0.00	-0.02	
222	S Ch C09	0.07	0.00	0.97	0.00	0.00	0.00	
225	S Ch C09	0.07	0.00	0.98	0.00	0.00	0.00	
228	S Ch C09	0.07	0.00	1.00	0.00	0.00	0.00	
231	S Ch C09	0.06	0.00	0.93	0.00	0.00	-0.02	
234	S Ch C09	0.09	-0.01	1.19	0.00	0.00	0.06	
237	S Ch C09	0.06	0.00	0.03	0.00	0.00	0.00	
238	S Ch C09	0.15	0.00	-0.44	0.00	0.00	-0.03	
239	S Ch C09	0.04	0.00	-1.02	0.00	0.00	0.02	
242	S Ch C09	0.11	0.00	-1.34	0.00	0.00	0.00	
245	S Ch C09	0.10	0.00	-1.29	0.00	0.00	0.00	
248	S Ch C09	0.10	0.00	-1.30	0.00	0.00	0.00	
251	S Ch C09	0.10	0.00	-1.30	0.00	0.00	0.00	
254	S Ch C09	0.11	0.00	-1.28	0.00	0.00	0.00	
257	S Ch C09	0.11	0.00	-1.41	0.00	0.00	0.01	
260	S Ch C09	-0.06	0.00	0.03	0.00	0.00	0.00	
261	S Ch C09	-0.15	0.00	-0.44	0.00	0.00	0.03	
262	S Ch C09	-0.04	0.00	-1.02	0.00	0.00	-0.02	
265	S Ch C09	-0.11	0.00	-1.34	0.00	0.00	0.00	
268	S Ch C09	-0.10	0.00	-1.29	0.00	0.00	0.00	
271	S Ch C09	-0.10	0.00	-1.30	0.00	0.00	0.00	
274	S Ch C09	-0.10	0.00	-1.30	0.00	0.00	0.00	
277	S Ch C09	-0.11	0.00	-1.28	0.00	0.00	0.00	
280	S Ch C09	-0.11	0.00	-1.41	0.00	0.00	-0.01	
283	S Ch C09	0.01	-0.04	-0.04	0.00	0.00	-0.02	
285	S Ch C09	0.06	0.00	1.18	0.00	0.00	-0.03	
288	S Ch C09	-0.02	0.00	1.02	0.00	0.00	0.00	
291	S Ch C09	-0.01	0.00	1.02	0.00	0.00	-0.01	
294	S Ch C09	-0.01	0.00	1.01	0.00	0.00	0.00	
297	S Ch C09	-0.02	-0.01	1.10	0.00	0.00	-0.03	
301	S Ch C09	0.03	0.04	1.23	0.00	0.00	0.05	
326	S Ch C09	0.01	0.00	0.18	0.00	0.00	-0.01	
327	S Ch C09	0.16	0.01	2.91	0.00	0.00	0.12	
330	S Ch C09	0.22	0.00	3.76	0.00	0.00	-0.02	
333	S Ch C09	0.21	0.00	3.66	0.00	0.00	0.00	
336	S Ch C09	0.21	0.00	3.68	0.00	0.00	0.00	
339	S Ch C09	0.21	0.00	3.68	0.00	0.00	0.00	
342	S Ch C09	0.21	0.00	3.62	0.00	0.00	-0.01	
345	S Ch C09	0.23	0.01	3.94	0.00	0.00	0.07	
348	S Ch C09	0.24	-0.03	1.43	0.00	0.00	-0.24	
349	S Ch C09	-0.24	0.03	1.43	0.00	0.00	0.27	
350	S Ch C09	-0.16	-0.01	2.91	0.00	0.00	-0.13	
353	S Ch C09	-0.21	0.00	3.76	0.00	0.00	0.02	
356	S Ch C09	-0.21	0.00	3.66	0.00	0.00	0.00	
359	S Ch C09	-0.21	0.00	3.68	0.00	0.00	0.00	
362	S Ch C09	-0.21	0.00	3.69	0.00	0.00	0.00	
365	S Ch C09	-0.21	0.00	3.63	0.00	0.00	0.02	
368	S Ch C09	-0.23	-0.01	3.94	0.00	0.00	-0.08	
372	S Ch C09	-0.01	0.00	0.18	0.00	0.00	0.01	
373	S Ch C09	0.24	0.02	1.43	0.00	0.00	-0.27	
374	S Ch C09	0.16	-0.01	2.91	0.00	0.00	0.13	
377	S Ch C09	0.21	-0.02	3.76	0.00	0.00	-0.01	
380	S Ch C09	0.21	0.01	3.67	0.00	0.00	0.00	
383	S Ch C09	0.21	0.00	3.68	0.00	0.00	0.00	
386	S Ch C09	0.21	0.00	3.69	0.00	0.00	0.00	
389	S Ch C09	0.21	0.00	3.63	0.00	0.00	-0.01	
392	S Ch C09	0.23	-0.01	3.94	0.00	0.00	0.08	
396	S Ch C09	0.01	0.00	0.18	0.00	0.00	-0.01	
397	S Ch C09	-0.13	-0.02	1.33	0.00	0.00	0.21	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
401	SCh CO9		-0.22	0.02	1.38	0.00	0.00	-0.21	
404	SCh CO9		-0.23	0.00	3.90	0.00	0.00	0.05	
407	SCh CO9		-0.21	0.00	3.63	0.00	0.00	-0.01	
410	SCh CO9		-0.22	0.00	3.68	0.00	0.00	0.00	
413	SCh CO9		-0.17	0.00	3.62	0.00	0.00	0.01	
416	SCh CO9		-0.24	0.00	4.11	0.00	0.00	-0.05	
Total max/min values with corresponding values									
112	SCh CO9	P _x	0.31	0.00	1.10	0.00	0.00	-0.01	
109			-0.44	0.00	1.09	0.00	0.00	0.01	
169		P _y	0.10	0.05	0.51	0.00	0.00	-0.12	
114			0.00	-0.10	0.42	0.00	0.00	0.06	
416		P _z	-0.24	0.00	4.11	0.00	0.00	-0.05	
162			0.11	0.00	-1.71	0.00	0.00	0.09	
1		M _x	0.00	-0.01	0.42	0.00	0.00	0.01	
1			0.00	-0.01	0.42	0.00	0.00	0.01	
1		M _y	0.00	-0.01	0.42	0.00	0.00	0.01	
1			0.00	-0.01	0.42	0.00	0.00	0.01	
349		M _z	-0.24	0.03	1.43	0.00	0.00	0.27	
373			0.24	0.02	1.43	0.00	0.00	-0.27	
Sum of loads and sum of support forces									
	SCh CO9		P _x [kN]	P _y [kN]	P _z [kN]				
Σ			0.00	0.00	131.97	Loads			
Σ			0.00	0.00	131.97	Support Forces			
1	SCh CO10		0.00	-0.03	1.31	0.00	0.00	0.02	
6	SCh CO10		-0.01	-0.02	0.66	0.00	0.00	-0.02	
9	SCh CO10		0.00	0.09	2.54	0.00	0.00	-0.06	
12	SCh CO10		-0.03	0.07	1.27	0.00	0.00	0.05	
14	SCh CO10		1.36	0.03	3.36	0.00	0.00	-0.04	
17	SCh CO10		-2.40	0.03	1.75	0.00	0.00	0.04	
19	SCh CO10		1.32	-0.04	3.24	0.00	0.00	0.05	
22	SCh CO10		-2.06	-0.04	1.69	0.00	0.00	-0.05	
24	SCh CO10		0.00	-0.02	2.53	0.00	0.00	0.01	
27	SCh CO10		-0.01	0.10	1.92	0.00	0.00	0.04	
29	SCh CO10		1.17	0.04	3.11	0.00	0.00	-0.04	
32	SCh CO10		-1.36	0.03	3.40	0.00	0.00	0.04	
34	SCh CO10		1.18	-0.03	3.13	0.00	0.00	0.04	
37	SCh CO10		-0.98	-0.04	3.26	0.00	0.00	-0.05	
39	SCh CO10		0.00	0.00	2.54	0.00	0.00	0.00	
42	SCh CO10		0.01	-0.02	2.45	0.00	0.00	-0.01	
44	SCh CO10		1.20	0.04	3.16	0.00	0.00	-0.04	
47	SCh CO10		-1.77	0.04	3.12	0.00	0.00	0.04	
49	SCh CO10		1.20	-0.04	3.15	0.00	0.00	0.04	
52	SCh CO10		-1.30	-0.03	3.13	0.00	0.00	-0.04	
54	SCh CO10		0.00	0.00	2.54	0.00	0.00	0.00	
57	SCh CO10		0.01	0.00	2.48	0.00	0.00	0.00	
59	SCh CO10		1.19	0.04	3.14	0.00	0.00	-0.04	
62	SCh CO10		-1.69	0.03	3.17	0.00	0.00	0.04	
64	SCh CO10		1.19	-0.04	3.14	0.00	0.00	0.04	
67	SCh CO10		-1.17	-0.03	3.14	0.00	0.00	-0.04	
69	SCh CO10		0.00	0.00	2.54	0.00	0.00	0.00	
72	SCh CO10		0.01	0.00	2.46	0.00	0.00	0.00	
74	SCh CO10		1.21	0.04	3.16	0.00	0.00	-0.04	
77	SCh CO10		-1.75	0.04	3.16	0.00	0.00	0.04	
79	SCh CO10		1.21	-0.03	3.18	0.00	0.00	0.04	
82	SCh CO10		-1.41	-0.03	3.18	0.00	0.00	-0.04	
84	SCh CO10		0.00	-0.01	2.54	0.00	0.00	0.01	
87	SCh CO10		0.00	-0.01	2.52	0.00	0.00	-0.01	
89	SCh CO10		1.12	0.03	3.09	0.00	0.00	-0.03	
92	SCh CO10		-1.55	0.03	3.12	0.00	0.00	0.04	
94	SCh CO10		1.12	-0.04	3.02	0.00	0.00	0.04	
97	SCh CO10		-0.39	-0.04	2.94	0.00	0.00	-0.04	
99	SCh CO10		0.00	0.06	2.53	0.00	0.00	-0.04	
102	SCh CO10		0.04	0.05	2.16	0.00	0.00	0.04	
104	SCh CO10		1.61	0.06	3.44	0.00	0.00	-0.07	
107	SCh CO10		-0.90	0.05	3.38	0.00	0.00	0.07	
109	SCh CO10		1.71	-0.01	3.82	0.00	0.00	0.04	
112	SCh CO10		-3.33	-0.01	3.80	0.00	0.00	-0.04	
114	SCh CO10		0.00	-0.30	1.30	0.00	0.00	0.19	
117	SCh CO10		-0.02	-0.29	1.44	0.00	0.00	-0.18	
126	SCh CO10		0.00	0.01	0.10	0.00	0.00	-0.01	
127	SCh CO10		0.25	-0.02	5.81	0.00	0.00	0.19	
130	SCh CO10		0.36	0.01	7.46	0.00	0.00	-0.05	
133	SCh CO10		0.33	0.00	7.17	0.00	0.00	0.01	
136	SCh CO10		0.34	0.00	7.22	0.00	0.00	-0.01	
139	SCh CO10		0.34	0.00	7.27	0.00	0.00	0.01	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
142	S Ch CO10	0.32	0.01	7.01	0.00	0.00	-0.05	
145	S Ch CO10	0.43	-0.02	8.05	0.00	0.00	0.18	
148	S Ch CO10	0.43	0.07	2.94	0.00	0.00	-0.37	
149	S Ch CO10	0.00	0.01	0.08	0.00	0.00	0.01	
150	S Ch CO10	-0.23	-0.02	5.66	0.00	0.00	-0.19	
153	S Ch CO10	-0.38	0.01	7.43	0.00	0.00	0.08	
156	S Ch CO10	-0.36	0.00	7.34	0.00	0.00	-0.04	
159	S Ch CO10	-0.29	0.01	6.47	0.00	0.00	0.18	
162	S Ch CO10	-0.54	-0.04	9.61	0.00	0.00	-0.64	
166	S Ch CO10	-0.34	0.06	6.76	0.00	0.00	1.24	
168	S Ch CO10	0.00	0.01	-0.10	0.00	0.00	-0.02	
169	S Ch CO10	0.69	0.13	3.85	0.00	0.00	-0.72	
170	S Ch CO10	0.35	-0.04	7.43	0.00	0.00	0.32	
173	S Ch CO10	0.50	0.01	9.53	0.00	0.00	-0.09	
176	S Ch CO10	0.46	0.00	9.08	0.00	0.00	0.02	
179	S Ch CO10	0.47	0.00	9.17	0.00	0.00	-0.01	
182	S Ch CO10	0.47	0.00	9.24	0.00	0.00	0.02	
185	S Ch CO10	0.43	0.01	8.83	0.00	0.00	-0.08	
188	S Ch CO10	0.58	-0.03	10.46	0.00	0.00	0.33	
191	S Ch CO10	0.00	0.01	-0.10	0.00	0.00	0.02	
192	S Ch CO10	-0.62	0.13	3.98	0.00	0.00	0.68	
193	S Ch CO10	-0.30	-0.04	7.66	0.00	0.00	-0.28	
196	S Ch CO10	-0.38	0.01	9.83	0.00	0.00	0.09	
199	S Ch CO10	-0.35	0.00	9.36	0.00	0.00	-0.02	
202	S Ch CO10	-0.35	0.00	9.46	0.00	0.00	0.01	
205	S Ch CO10	-0.36	0.00	9.53	0.00	0.00	-0.02	
208	S Ch CO10	-0.33	0.01	9.11	0.00	0.00	0.08	
211	S Ch CO10	-0.46	-0.03	10.80	0.00	0.00	-0.32	
214	S Ch CO10	0.00	0.01	-0.10	0.00	0.00	-0.02	
215	S Ch CO10	0.62	0.13	3.98	0.00	0.00	-0.68	
216	S Ch CO10	0.30	-0.04	7.65	0.00	0.00	0.28	
219	S Ch CO10	0.38	0.01	9.83	0.00	0.00	-0.09	
222	S Ch CO10	0.35	0.00	9.36	0.00	0.00	0.02	
225	S Ch CO10	0.35	0.00	9.45	0.00	0.00	-0.01	
228	S Ch CO10	0.36	0.00	9.53	0.00	0.00	0.02	
231	S Ch CO10	0.33	0.01	9.11	0.00	0.00	-0.08	
234	S Ch CO10	0.46	-0.03	10.80	0.00	0.00	0.32	
237	S Ch CO10	0.48	0.01	0.18	0.00	0.00	0.01	
238	S Ch CO10	0.18	0.07	2.69	0.00	0.00	0.22	
239	S Ch CO10	1.00	-0.02	5.42	0.00	0.00	-0.08	
242	S Ch CO10	0.94	0.01	6.93	0.00	0.00	0.03	
245	S Ch CO10	0.97	0.00	6.70	0.00	0.00	-0.01	
248	S Ch CO10	0.97	0.00	6.74	0.00	0.00	0.00	
251	S Ch CO10	0.96	0.00	6.78	0.00	0.00	-0.01	
254	S Ch CO10	1.00	0.01	6.57	0.00	0.00	0.03	
257	S Ch CO10	0.86	-0.02	7.42	0.00	0.00	-0.12	
260	S Ch CO10	-0.48	0.01	0.18	0.00	0.00	-0.01	
261	S Ch CO10	-0.18	0.07	2.69	0.00	0.00	-0.22	
262	S Ch CO10	-1.00	-0.02	5.42	0.00	0.00	0.08	
265	S Ch CO10	-0.94	0.01	6.93	0.00	0.00	-0.03	
268	S Ch CO10	-0.97	0.00	6.70	0.00	0.00	0.01	
271	S Ch CO10	-0.97	0.00	6.74	0.00	0.00	0.00	
274	S Ch CO10	-0.96	0.00	6.78	0.00	0.00	0.01	
277	S Ch CO10	-1.00	0.01	6.57	0.00	0.00	-0.03	
280	S Ch CO10	-0.86	-0.02	7.42	0.00	0.00	0.12	
283	S Ch CO10	0.01	-0.11	-0.10	0.00	0.00	-0.05	
285	S Ch CO10	-0.05	0.02	8.34	0.00	0.00	-0.27	
288	S Ch CO10	-0.40	0.01	9.34	0.00	0.00	0.07	
291	S Ch CO10	-0.35	0.00	9.24	0.00	0.00	-0.05	
294	S Ch CO10	-0.32	0.00	8.72	0.00	0.00	0.11	
297	S Ch CO10	-0.47	0.00	10.82	0.00	0.00	-0.52	
301	S Ch CO10	-0.16	0.08	9.28	0.00	0.00	1.03	
326	S Ch CO10	0.02	-0.01	0.31	0.00	0.00	-0.03	
327	S Ch CO10	0.41	0.04	8.09	0.00	0.00	0.34	
330	S Ch CO10	0.56	-0.01	10.40	0.00	0.00	-0.07	
333	S Ch CO10	0.54	0.00	10.10	0.00	0.00	0.02	
336	S Ch CO10	0.54	0.00	10.15	0.00	0.00	-0.01	
339	S Ch CO10	0.54	0.00	10.19	0.00	0.00	0.01	
342	S Ch CO10	0.53	-0.01	9.97	0.00	0.00	-0.05	
345	S Ch CO10	0.60	0.04	10.98	0.00	0.00	0.23	
348	S Ch CO10	0.66	-0.14	3.89	0.00	0.00	-0.72	
349	S Ch CO10	-0.61	0.02	3.88	0.00	0.00	0.78	
350	S Ch CO10	-0.36	-0.02	8.04	0.00	0.00	-0.34	
353	S Ch CO10	-0.48	0.00	10.33	0.00	0.00	0.07	
356	S Ch CO10	-0.46	0.00	10.04	0.00	0.00	-0.02	
359	S Ch CO10	-0.46	0.00	10.09	0.00	0.00	0.01	
362	S Ch CO10	-0.47	0.00	10.12	0.00	0.00	-0.01	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
365	S Ch CO10		-0.45	0.00	9.91	0.00	0.00	0.05	
368	S Ch CO10		-0.51	-0.01	10.92	0.00	0.00	-0.24	
372	S Ch CO10		-0.02	0.00	0.30	0.00	0.00	0.04	
373	S Ch CO10		0.61	0.02	3.88	0.00	0.00	-0.78	
374	S Ch CO10		0.36	-0.01	8.04	0.00	0.00	0.34	
377	S Ch CO10		0.48	-0.05	10.34	0.00	0.00	-0.04	
380	S Ch CO10		0.46	0.02	10.04	0.00	0.00	0.01	
383	S Ch CO10		0.47	0.00	10.09	0.00	0.00	-0.01	
386	S Ch CO10		0.47	0.00	10.12	0.00	0.00	0.01	
389	S Ch CO10		0.45	0.00	9.91	0.00	0.00	-0.05	
392	S Ch CO10		0.51	-0.01	10.92	0.00	0.00	0.24	
396	S Ch CO10		0.02	0.00	0.31	0.00	0.00	-0.04	
397	S Ch CO10		-1.33	-0.07	3.15	0.00	0.00	0.59	
401	S Ch CO10		-0.59	0.06	3.64	0.00	0.00	-0.57	
404	S Ch CO10		-0.08	-0.01	10.92	0.00	0.00	0.15	
407	S Ch CO10		-0.14	0.00	10.06	0.00	0.00	-0.02	
410	S Ch CO10		0.04	0.00	10.27	0.00	0.00	0.01	
413	S Ch CO10		-0.68	0.02	9.87	0.00	0.00	0.02	
416	S Ch CO10		-0.21	0.00	12.48	0.00	0.00	-0.15	
Total max/min values with corresponding values									
109	S Ch CO10	P _x	1.71	-0.01	3.82	0.00	0.00	0.04	
112			-3.33	-0.01	3.80	0.00	0.00	-0.04	
192		P _y	-0.62	0.13	3.98	0.00	0.00	0.68	
114			0.00	-0.30	1.30	0.00	0.00	0.19	
416		P _z	-0.21	0.00	12.48	0.00	0.00	-0.15	
191			0.00	0.01	-0.10	0.00	0.00	0.02	
1		M _x	0.00	-0.03	1.31	0.00	0.00	0.02	
1			0.00	-0.03	1.31	0.00	0.00	0.02	
1		M _y	0.00	-0.03	1.31	0.00	0.00	0.02	
1			0.00	-0.03	1.31	0.00	0.00	0.02	
166		M _z	-0.34	0.06	6.76	0.00	0.00	1.24	
373			0.61	0.02	3.88	0.00	0.00	-0.78	
Sum of loads and sum of support forces									
Σ	S Ch CO10		P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ			0.00	0.00	864.45	Support Forces			
Σ			0.00	0.00	864.45				
1	S Ch CO11		0.00	-0.03	1.41	0.00	0.00	0.02	
6	S Ch CO11		-0.01	-0.02	0.71	0.00	0.00	-0.02	
9	S Ch CO11		0.00	0.09	2.67	0.00	0.00	-0.06	
12	S Ch CO11		-0.03	0.07	1.34	0.00	0.00	0.05	
14	S Ch CO11		2.48	0.03	3.62	0.00	0.00	-0.04	
17	S Ch CO11		-3.91	0.03	1.94	0.00	0.00	0.04	
19	S Ch CO11		2.40	-0.04	3.49	0.00	0.00	0.05	
22	S Ch CO11		-3.42	-0.04	1.87	0.00	0.00	-0.05	
24	S Ch CO11		0.00	-0.02	2.67	0.00	0.00	0.01	
27	S Ch CO11		-0.01	0.10	2.04	0.00	0.00	0.04	
29	S Ch CO11		2.04	0.04	3.33	0.00	0.00	-0.04	
32	S Ch CO11		-2.43	0.03	3.62	0.00	0.00	0.04	
34	S Ch CO11		2.06	-0.04	3.36	0.00	0.00	0.04	
37	S Ch CO11		-1.73	-0.04	3.49	0.00	0.00	-0.05	
39	S Ch CO11		0.00	0.00	2.67	0.00	0.00	0.00	
42	S Ch CO11		0.01	-0.02	2.55	0.00	0.00	-0.01	
44	S Ch CO11		2.13	0.04	3.39	0.00	0.00	-0.04	
47	S Ch CO11		-2.95	0.04	3.35	0.00	0.00	0.04	
49	S Ch CO11		2.13	-0.04	3.39	0.00	0.00	0.04	
52	S Ch CO11		-2.28	-0.03	3.35	0.00	0.00	-0.04	
54	S Ch CO11		0.00	0.00	2.67	0.00	0.00	0.00	
57	S Ch CO11		0.01	0.00	2.59	0.00	0.00	0.00	
59	S Ch CO11		2.10	0.04	3.37	0.00	0.00	-0.04	
62	S Ch CO11		-2.83	0.04	3.40	0.00	0.00	0.04	
64	S Ch CO11		2.10	-0.04	3.37	0.00	0.00	0.04	
67	S Ch CO11		-2.06	-0.04	3.37	0.00	0.00	-0.04	
69	S Ch CO11		0.00	0.00	2.67	0.00	0.00	0.00	
72	S Ch CO11		0.01	0.00	2.56	0.00	0.00	0.00	
74	S Ch CO11		2.15	0.04	3.40	0.00	0.00	-0.04	
77	S Ch CO11		-2.93	0.04	3.39	0.00	0.00	0.04	
79	S Ch CO11		2.16	-0.04	3.42	0.00	0.00	0.04	
82	S Ch CO11		-2.47	-0.03	3.42	0.00	0.00	-0.04	
84	S Ch CO11		0.00	-0.02	2.67	0.00	0.00	0.01	
87	S Ch CO11		0.00	-0.01	2.65	0.00	0.00	-0.01	
89	S Ch CO11		1.93	0.03	3.31	0.00	0.00	-0.03	
92	S Ch CO11		-2.55	0.03	3.34	0.00	0.00	0.04	
94	S Ch CO11		1.89	-0.04	3.21	0.00	0.00	0.04	
97	S Ch CO11		-0.74	-0.04	3.12	0.00	0.00	-0.04	
99	S Ch CO11		0.00	0.07	2.67	0.00	0.00	-0.04	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
102	CO11	0.06	0.06	2.15	0.00	0.00	0.04	
104	CO11	3.06	0.06	3.74	0.00	0.00	-0.08	
107	CO11	-1.84	0.06	3.67	0.00	0.00	0.07	
109	CO11	3.35	-0.02	4.19	0.00	0.00	0.04	
112	CO11	-5.68	-0.01	4.15	0.00	0.00	-0.04	
114	CO11	0.00	-0.32	1.39	0.00	0.00	0.20	
117	CO11	-0.02	-0.30	1.59	0.00	0.00	-0.19	
126	CO11	0.01	0.01	0.15	0.00	0.00	-0.01	
127	CO11	0.48	-0.03	10.81	0.00	0.00	0.36	
130	CO11	0.71	0.01	13.90	0.00	0.00	-0.10	
133	CO11	0.65	0.00	13.35	0.00	0.00	0.03	
136	CO11	0.66	0.00	13.46	0.00	0.00	-0.01	
139	CO11	0.67	0.00	13.55	0.00	0.00	0.02	
142	CO11	0.62	0.01	13.06	0.00	0.00	-0.09	
145	CO11	0.82	-0.03	15.02	0.00	0.00	0.34	
148	CO11	0.85	0.12	5.47	0.00	0.00	-0.70	
149	CO11	-0.01	0.01	0.12	0.00	0.00	0.01	
150	CO11	-0.47	-0.03	10.68	0.00	0.00	-0.37	
153	CO11	-0.72	0.01	13.84	0.00	0.00	0.13	
156	CO11	-0.70	-0.01	13.67	0.00	0.00	-0.08	
159	CO11	-0.57	0.02	12.13	0.00	0.00	0.32	
162	CO11	-1.01	-0.07	17.72	0.00	0.00	-1.13	
166	CO11	-0.68	0.10	12.69	0.00	0.00	2.21	
168	CO11	0.00	0.01	-0.02	0.00	0.00	-0.03	
169	CO11	0.92	0.12	5.34	0.00	0.00	-0.95	
170	CO11	0.49	-0.04	10.36	0.00	0.00	0.43	
173	CO11	0.70	0.01	13.31	0.00	0.00	-0.12	
176	CO11	0.64	0.00	12.72	0.00	0.00	0.03	
179	CO11	0.65	0.00	12.84	0.00	0.00	-0.01	
182	CO11	0.66	0.00	12.94	0.00	0.00	0.03	
185	CO11	0.61	0.01	12.41	0.00	0.00	-0.11	
188	CO11	0.81	-0.03	14.52	0.00	0.00	0.42	
191	CO11	-0.01	0.01	-0.04	0.00	0.00	0.03	
192	CO11	-0.77	0.13	5.58	0.00	0.00	0.86	
193	CO11	-0.38	-0.04	10.75	0.00	0.00	-0.36	
196	CO11	-0.49	0.01	13.82	0.00	0.00	0.11	
199	CO11	-0.44	0.00	13.19	0.00	0.00	-0.03	
202	CO11	-0.45	0.00	13.32	0.00	0.00	0.01	
205	CO11	-0.46	0.00	13.42	0.00	0.00	-0.03	
208	CO11	-0.42	0.01	12.86	0.00	0.00	0.10	
211	CO11	-0.58	-0.03	15.10	0.00	0.00	-0.40	
214	CO11	0.01	0.01	-0.04	0.00	0.00	-0.03	
215	CO11	0.77	0.13	5.58	0.00	0.00	-0.86	
216	CO11	0.38	-0.04	10.75	0.00	0.00	0.36	
219	CO11	0.49	0.01	13.82	0.00	0.00	-0.11	
222	CO11	0.44	0.00	13.19	0.00	0.00	0.03	
225	CO11	0.45	0.00	13.32	0.00	0.00	-0.01	
228	CO11	0.46	0.00	13.42	0.00	0.00	0.03	
231	CO11	0.42	0.01	12.86	0.00	0.00	-0.10	
234	CO11	0.58	-0.03	15.10	0.00	0.00	0.40	
237	CO11	0.68	0.01	0.30	0.00	0.00	0.01	
238	CO11	0.06	0.12	5.00	0.00	0.00	0.39	
239	CO11	1.45	-0.04	10.12	0.00	0.00	-0.17	
242	CO11	1.24	0.01	12.99	0.00	0.00	0.06	
245	CO11	1.30	0.00	12.54	0.00	0.00	-0.01	
248	CO11	1.29	0.00	12.63	0.00	0.00	0.01	
251	CO11	1.28	0.00	12.69	0.00	0.00	-0.01	
254	CO11	1.34	0.01	12.33	0.00	0.00	0.05	
257	CO11	1.11	-0.03	13.88	0.00	0.00	-0.20	
260	CO11	-0.68	0.01	0.30	0.00	0.00	-0.01	
261	CO11	-0.06	0.12	5.00	0.00	0.00	-0.39	
262	CO11	-1.45	-0.04	10.12	0.00	0.00	0.17	
265	CO11	-1.24	0.01	12.99	0.00	0.00	-0.06	
268	CO11	-1.30	0.00	12.54	0.00	0.00	0.01	
271	CO11	-1.29	0.00	12.63	0.00	0.00	-0.01	
274	CO11	-1.28	0.00	12.69	0.00	0.00	0.01	
277	CO11	-1.34	0.01	12.33	0.00	0.00	-0.05	
280	CO11	-1.11	-0.03	13.88	0.00	0.00	0.20	
283	CO11	0.00	-0.11	-0.02	0.00	0.00	-0.04	
285	CO11	-0.17	0.02	11.27	0.00	0.00	-0.38	
288	CO11	-0.60	0.00	13.09	0.00	0.00	0.10	
291	CO11	-0.54	0.00	12.94	0.00	0.00	-0.07	
294	CO11	-0.48	-0.01	12.14	0.00	0.00	0.17	
297	CO11	-0.70	0.02	15.29	0.00	0.00	-0.76	
301	CO11	-0.30	0.06	12.75	0.00	0.00	1.51	
326	CO11	0.01	-0.02	0.28	0.00	0.00	-0.03	
327	CO11	0.39	0.05	8.11	0.00	0.00	0.34	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
330	CO11		0.53	-0.01	10.40	0.00	0.00	-0.07	
333	CO11		0.51	0.00	10.08	0.00	0.00	0.02	
336	CO11		0.51	0.00	10.14	0.00	0.00	-0.01	
339	CO11		0.52	0.00	10.18	0.00	0.00	0.01	
342	CO11		0.50	-0.01	9.94	0.00	0.00	-0.06	
345	CO11		0.58	0.05	11.03	0.00	0.00	0.25	
348	CO11		0.66	-0.17	3.93	0.00	0.00	-0.75	
349	CO11		-0.57	-0.01	3.90	0.00	0.00	0.80	
350	CO11		-0.32	-0.01	8.04	0.00	0.00	-0.34	
353	CO11		-0.42	0.00	10.29	0.00	0.00	0.08	
356	CO11		-0.40	0.00	9.98	0.00	0.00	-0.02	
359	CO11		-0.40	0.00	10.03	0.00	0.00	0.01	
362	CO11		-0.40	0.00	10.07	0.00	0.00	-0.02	
365	CO11		-0.39	0.00	9.83	0.00	0.00	0.06	
368	CO11		-0.45	-0.01	10.92	0.00	0.00	-0.26	
372	CO11		0.00	0.00	0.27	0.00	0.00	0.04	
373	CO11		0.57	-0.01	3.90	0.00	0.00	-0.80	
374	CO11		0.32	0.00	8.03	0.00	0.00	0.33	
377	CO11		0.42	-0.05	10.29	0.00	0.00	-0.04	
380	CO11		0.40	0.02	9.98	0.00	0.00	0.01	
383	CO11		0.40	0.00	10.03	0.00	0.00	-0.01	
386	CO11		0.41	0.00	10.07	0.00	0.00	0.01	
389	CO11		0.39	0.00	9.83	0.00	0.00	-0.06	
392	CO11		0.45	0.00	10.92	0.00	0.00	0.26	
396	CO11		0.00	0.00	0.27	0.00	0.00	-0.04	
397	CO11		-1.84	-0.09	2.94	0.00	0.00	0.59	
401	CO11		-0.58	0.06	3.62	0.00	0.00	-0.57	
404	CO11		0.24	-0.01	11.00	0.00	0.00	0.15	
407	CO11		0.10	0.00	10.07	0.00	0.00	-0.02	
410	CO11		0.42	-0.01	10.32	0.00	0.00	0.01	
413	CO11		-0.79	0.02	9.79	0.00	0.00	0.01	
416	CO11		0.06	0.00	13.10	0.00	0.00	-0.15	
Total max/min values with corresponding values									
109	CO11	P _x	3.35	-0.02	4.19	0.00	0.00	0.04	
112			-5.68	-0.01	4.15	0.00	0.00	-0.04	
192		P _y	-0.77	0.13	5.58	0.00	0.00	0.86	
114			0.00	-0.32	1.39	0.00	0.00	0.20	
162		P _z	-1.01	-0.07	17.72	0.00	0.00	-1.13	
191			-0.01	0.01	-0.04	0.00	0.00	0.03	
1		M _k	0.00	-0.03	1.41	0.00	0.00	0.02	
1			0.00	-0.03	1.41	0.00	0.00	0.02	
1		M _y	0.00	-0.03	1.41	0.00	0.00	0.02	
1			0.00	-0.03	1.41	0.00	0.00	0.02	
166		M _z	-0.68	0.10	12.69	0.00	0.00	2.21	
162			-1.01	-0.07	17.72	0.00	0.00	-1.13	
Sum of loads and sum of support forces									
	CO11		P _x [kN]	P _y [kN]	P _z [kN]				
Σ			0.00	0.00	1147.78	Loads			
Σ			0.00	0.00	1147.78	Support Forces			
1	CO12		0.00	-0.07	3.19	0.00	0.00	0.04	
6	CO12		-0.03	-0.05	1.60	0.00	0.00	-0.04	
9	CO12		0.00	0.21	6.19	0.00	0.00	-0.13	
12	CO12		-0.06	0.15	3.10	0.00	0.00	0.12	
14	CO12		5.69	0.07	8.37	0.00	0.00	-0.10	
17	CO12		-8.94	0.07	4.48	0.00	0.00	0.08	
19	CO12		5.50	-0.10	8.06	0.00	0.00	0.12	
22	CO12		-7.81	-0.09	4.32	0.00	0.00	-0.11	
24	CO12		0.00	-0.04	6.19	0.00	0.00	0.03	
27	CO12		-0.03	0.22	4.68	0.00	0.00	0.10	
29	CO12		4.69	0.09	7.70	0.00	0.00	-0.10	
32	CO12		-5.56	0.06	8.37	0.00	0.00	0.10	
34	CO12		4.71	-0.08	7.77	0.00	0.00	0.09	
37	CO12		-3.98	-0.10	8.08	0.00	0.00	-0.12	
39	CO12		0.00	0.01	6.20	0.00	0.00	-0.01	
42	CO12		0.03	-0.04	5.92	0.00	0.00	-0.02	
44	CO12		4.87	0.08	7.84	0.00	0.00	-0.10	
47	CO12		-6.73	0.09	7.75	0.00	0.00	0.09	
49	CO12		4.87	-0.09	7.83	0.00	0.00	0.10	
52	CO12		-5.23	-0.08	7.75	0.00	0.00	-0.09	
54	CO12		0.00	0.00	6.20	0.00	0.00	0.00	
57	CO12		0.02	0.00	6.01	0.00	0.00	0.00	
59	CO12		4.81	0.08	7.80	0.00	0.00	-0.09	
62	CO12		-6.46	0.08	7.85	0.00	0.00	0.09	
64	CO12		4.81	-0.08	7.79	0.00	0.00	0.10	
67	CO12		-4.72	-0.08	7.79	0.00	0.00	-0.09	



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RESULTS

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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
69	STOP CO12	0.00	0.01	6.20	0.00	0.00	-0.01	
72	STOP CO12	0.03	0.00	5.95	0.00	0.00	0.00	
74	STOP CO12	4.93	0.09	7.85	0.00	0.00	-0.10	
77	STOP CO12	-6.70	0.09	7.85	0.00	0.00	0.10	
79	STOP CO12	4.94	-0.08	7.90	0.00	0.00	0.10	
82	STOP CO12	-5.66	-0.08	7.90	0.00	0.00	-0.09	
84	STOP CO12	0.00	-0.03	6.20	0.00	0.00	0.02	
87	STOP CO12	0.01	-0.02	6.14	0.00	0.00	-0.02	
89	STOP CO12	4.42	0.07	7.66	0.00	0.00	-0.08	
92	STOP CO12	-5.84	0.07	7.72	0.00	0.00	0.08	
94	STOP CO12	4.34	-0.09	7.43	0.00	0.00	0.09	
97	STOP CO12	-1.70	-0.09	7.22	0.00	0.00	-0.10	
99	STOP CO12	0.00	0.15	6.18	0.00	0.00	-0.10	
102	STOP CO12	0.13	0.13	5.01	0.00	0.00	0.09	
104	STOP CO12	7.00	0.14	8.62	0.00	0.00	-0.18	
107	STOP CO12	-4.18	0.13	8.48	0.00	0.00	0.17	
109	STOP CO12	7.65	-0.04	9.66	0.00	0.00	0.10	
112	STOP CO12	-12.96	-0.03	9.56	0.00	0.00	-0.09	
114	STOP CO12	0.00	-0.72	3.14	0.00	0.00	0.45	
117	STOP CO12	-0.05	-0.68	3.62	0.00	0.00	-0.43	
126	STOP CO12	0.01	0.02	0.23	0.00	0.00	-0.03	
127	STOP CO12	1.10	-0.08	24.59	0.00	0.00	0.82	
130	STOP CO12	1.61	0.02	31.61	0.00	0.00	-0.22	
133	STOP CO12	1.48	-0.01	30.36	0.00	0.00	0.06	
136	STOP CO12	1.51	0.00	30.61	0.00	0.00	-0.03	
139	STOP CO12	1.53	-0.01	30.81	0.00	0.00	0.05	
142	STOP CO12	1.42	0.02	29.71	0.00	0.00	-0.20	
145	STOP CO12	1.86	-0.08	34.16	0.00	0.00	0.77	
148	STOP CO12	1.93	0.26	12.34	0.00	0.00	-1.59	
149	STOP CO12	-0.01	0.02	0.17	0.00	0.00	0.03	
150	STOP CO12	-1.07	-0.07	24.29	0.00	0.00	-0.83	
153	STOP CO12	-1.64	0.02	31.48	0.00	0.00	0.31	
156	STOP CO12	-1.59	-0.02	31.09	0.00	0.00	-0.18	
159	STOP CO12	-1.30	0.05	27.57	0.00	0.00	0.72	
162	STOP CO12	-2.30	-0.16	40.35	0.00	0.00	-2.59	
166	STOP CO12	-1.54	0.24	28.72	0.00	0.00	5.08	
168	STOP CO12	0.00	0.03	-0.15	0.00	0.00	-0.07	
169	STOP CO12	2.09	0.28	12.02	0.00	0.00	-2.17	
170	STOP CO12	1.12	-0.08	23.53	0.00	0.00	0.98	
173	STOP CO12	1.58	0.02	30.23	0.00	0.00	-0.27	
176	STOP CO12	1.46	0.00	28.89	0.00	0.00	0.07	
179	STOP CO12	1.48	0.00	29.16	0.00	0.00	-0.03	
182	STOP CO12	1.50	0.00	29.38	0.00	0.00	0.06	
185	STOP CO12	1.39	0.01	28.18	0.00	0.00	-0.24	
188	STOP CO12	1.84	-0.07	32.98	0.00	0.00	0.96	
191	STOP CO12	-0.02	0.03	-0.19	0.00	0.00	0.07	
192	STOP CO12	-1.76	0.30	12.57	0.00	0.00	1.96	
193	STOP CO12	-0.87	-0.08	24.42	0.00	0.00	-0.81	
196	STOP CO12	-1.10	0.02	31.40	0.00	0.00	0.26	
199	STOP CO12	-1.00	-0.01	29.97	0.00	0.00	-0.07	
202	STOP CO12	-1.02	0.00	30.26	0.00	0.00	0.03	
205	STOP CO12	-1.04	0.00	30.49	0.00	0.00	-0.06	
208	STOP CO12	-0.94	0.02	29.22	0.00	0.00	0.24	
211	STOP CO12	-1.32	-0.07	34.32	0.00	0.00	-0.91	
214	STOP CO12	0.02	0.03	-0.18	0.00	0.00	-0.07	
215	STOP CO12	1.76	0.30	12.57	0.00	0.00	-1.96	
216	STOP CO12	0.87	-0.08	24.41	0.00	0.00	0.81	
219	STOP CO12	1.10	0.02	31.40	0.00	0.00	-0.26	
222	STOP CO12	1.00	-0.01	29.98	0.00	0.00	0.07	
225	STOP CO12	1.02	0.00	30.26	0.00	0.00	-0.03	
228	STOP CO12	1.04	0.00	30.49	0.00	0.00	0.06	
231	STOP CO12	0.94	0.02	29.22	0.00	0.00	-0.24	
234	STOP CO12	1.32	-0.07	34.32	0.00	0.00	0.91	
237	STOP CO12	1.52	0.02	0.58	0.00	0.00	0.03	
238	STOP CO12	0.12	0.26	11.26	0.00	0.00	0.89	
239	STOP CO12	3.37	-0.08	23.00	0.00	0.00	-0.38	
242	STOP CO12	2.90	0.02	29.53	0.00	0.00	0.13	
245	STOP CO12	3.04	-0.01	28.52	0.00	0.00	-0.03	
248	STOP CO12	3.01	0.00	28.71	0.00	0.00	0.01	
251	STOP CO12	2.99	0.00	28.85	0.00	0.00	-0.03	
254	STOP CO12	3.12	0.02	28.04	0.00	0.00	0.11	
257	STOP CO12	2.61	-0.08	31.55	0.00	0.00	-0.45	
260	STOP CO12	-1.52	0.02	0.58	0.00	0.00	-0.03	
261	STOP CO12	-0.12	0.26	11.26	0.00	0.00	-0.89	
262	STOP CO12	-3.37	-0.08	23.01	0.00	0.00	0.38	
265	STOP CO12	-2.90	0.02	29.53	0.00	0.00	-0.13	
268	STOP CO12	-3.04	-0.01	28.52	0.00	0.00	0.03	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
271	CO12	-3.01	0.00	28.71	0.00	0.00	-0.01	
274	CO12	-2.99	0.00	28.85	0.00	0.00	0.03	
277	CO12	-3.12	0.02	28.04	0.00	0.00	-0.11	
280	CO12	-2.61	-0.08	31.55	0.00	0.00	0.45	
283	CO12	0.01	-0.26	-0.14	0.00	0.00	-0.10	
285	CO12	-0.39	0.05	25.59	0.00	0.00	-0.86	
288	CO12	-1.36	0.01	29.73	0.00	0.00	0.23	
291	CO12	-1.22	0.00	29.39	0.00	0.00	-0.15	
294	CO12	-1.10	-0.02	27.57	0.00	0.00	0.40	
297	CO12	-1.58	0.04	34.74	0.00	0.00	-1.74	
301	CO12	-0.67	0.14	28.85	0.00	0.00	3.47	
326	CO12	0.02	-0.04	0.55	0.00	0.00	-0.07	
327	CO12	0.88	0.11	18.47	0.00	0.00	0.78	
330	CO12	1.22	-0.03	23.68	0.00	0.00	-0.17	
333	CO12	1.16	0.01	22.96	0.00	0.00	0.04	
336	CO12	1.17	0.00	23.09	0.00	0.00	-0.02	
339	CO12	1.18	0.01	23.18	0.00	0.00	0.03	
342	CO12	1.13	-0.03	22.64	0.00	0.00	-0.13	
345	CO12	1.33	0.11	25.12	0.00	0.00	0.57	
348	CO12	1.50	-0.39	8.87	0.00	0.00	-1.71	
349	CO12	-1.31	-0.01	8.80	0.00	0.00	1.83	
350	CO12	-0.73	-0.02	18.30	0.00	0.00	-0.77	
353	CO12	-0.95	0.00	23.43	0.00	0.00	0.17	
356	CO12	-0.91	0.00	22.72	0.00	0.00	-0.04	
359	CO12	-0.91	0.00	22.85	0.00	0.00	0.02	
362	CO12	-0.92	0.00	22.94	0.00	0.00	-0.03	
365	CO12	-0.89	0.00	22.39	0.00	0.00	0.14	
368	CO12	-1.02	-0.01	24.87	0.00	0.00	-0.59	
372	CO12	-0.01	0.00	0.52	0.00	0.00	0.09	
373	CO12	1.31	-0.03	8.80	0.00	0.00	-1.82	
374	CO12	0.73	0.00	18.29	0.00	0.00	0.76	
377	CO12	0.95	-0.11	23.44	0.00	0.00	-0.10	
380	CO12	0.90	0.04	22.72	0.00	0.00	0.03	
383	CO12	0.92	-0.01	22.85	0.00	0.00	-0.02	
386	CO12	0.92	0.00	22.94	0.00	0.00	0.03	
389	CO12	0.89	-0.01	22.39	0.00	0.00	-0.13	
392	CO12	1.03	0.00	24.87	0.00	0.00	0.58	
396	CO12	0.01	-0.01	0.52	0.00	0.00	-0.09	
397	CO12	-4.24	-0.21	6.57	0.00	0.00	1.35	
401	CO12	-1.32	0.14	8.15	0.00	0.00	-1.30	
404	CO12	0.55	-0.01	25.04	0.00	0.00	0.35	
407	CO12	0.23	0.00	22.94	0.00	0.00	-0.05	
410	CO12	0.95	-0.01	23.51	0.00	0.00	0.03	
413	CO12	-1.81	0.05	22.30	0.00	0.00	0.03	
416	CO12	0.12	-0.01	29.85	0.00	0.00	-0.35	
Total max/min values with corresponding values								
109	CO12	P _x	7.65	-0.04	9.66	0.00	0.00	0.10
112			-12.96	-0.03	9.56	0.00	0.00	-0.09
192		P _y	-1.76	0.30	12.57	0.00	0.00	1.96
114			0.00	-0.72	3.14	0.00	0.00	0.45
162		P _z	-2.30	-0.16	40.35	0.00	0.00	-2.59
191			-0.02	0.03	-0.19	0.00	0.00	0.07
1		M _x	0.00	-0.07	3.19	0.00	0.00	0.04
1			0.00	-0.07	3.19	0.00	0.00	0.04
1		M _y	0.00	-0.07	3.19	0.00	0.00	0.04
166		M _z	-1.54	0.24	28.72	0.00	0.00	5.08
162			-2.30	-0.16	40.35	0.00	0.00	-2.59
Sum of loads and sum of support forces								
Σ	CO12	P _x [kN]	0.00	0.00	2612.74	Loads		
Σ			0.00	0.00	2612.74	Support Forces		
1	CO13	0.00	-0.06	2.91	0.00	0.00	0.04	
6	CO13	-0.03	-0.04	1.46	0.00	0.00	-0.03	
9	CO13	0.00	0.20	5.66	0.00	0.00	-0.12	
12	CO13	-0.06	0.14	2.83	0.00	0.00	0.11	
14	CO13	4.61	0.06	7.60	0.00	0.00	-0.09	
17	CO13	-7.40	0.06	4.04	0.00	0.00	0.08	
19	CO13	4.46	-0.09	7.33	0.00	0.00	0.11	
22	CO13	-6.45	-0.08	3.90	0.00	0.00	-0.10	
24	CO13	0.00	-0.04	5.66	0.00	0.00	0.03	
27	CO13	-0.03	0.20	4.28	0.00	0.00	0.09	
29	CO13	3.83	0.08	7.01	0.00	0.00	-0.09	
32	CO13	-4.53	0.06	7.63	0.00	0.00	0.09	
34	CO13	3.85	-0.07	7.06	0.00	0.00	0.08	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
37	CO13	-3.24	-0.09	7.35	0.00	0.00	-0.11	
39	CO13	0.00	0.01	5.66	0.00	0.00	-0.01	
42	CO13	0.03	-0.04	5.42	0.00	0.00	-0.02	
44	CO13	3.97	0.08	7.13	0.00	0.00	-0.09	
47	CO13	-5.56	0.08	7.04	0.00	0.00	0.09	
49	CO13	3.97	-0.08	7.12	0.00	0.00	0.09	
52	CO13	-4.27	-0.07	7.05	0.00	0.00	-0.08	
54	CO13	0.00	0.00	5.66	0.00	0.00	0.00	
57	CO13	0.02	0.00	5.50	0.00	0.00	0.00	
59	CO13	3.93	0.08	7.10	0.00	0.00	-0.09	
62	CO13	-5.33	0.08	7.14	0.00	0.00	0.09	
64	CO13	3.93	-0.08	7.09	0.00	0.00	0.09	
67	CO13	-3.85	-0.07	7.08	0.00	0.00	-0.09	
69	CO13	0.00	0.01	5.66	0.00	0.00	0.00	
72	CO13	0.02	0.00	5.45	0.00	0.00	0.00	
74	CO13	4.02	0.08	7.14	0.00	0.00	-0.09	
77	CO13	-5.52	0.08	7.14	0.00	0.00	0.09	
79	CO13	4.02	-0.08	7.18	0.00	0.00	0.09	
82	CO13	-4.62	-0.07	7.18	0.00	0.00	-0.08	
84	CO13	0.00	-0.03	5.66	0.00	0.00	0.02	
87	CO13	0.01	-0.02	5.61	0.00	0.00	-0.01	
89	CO13	3.63	0.07	6.97	0.00	0.00	-0.07	
92	CO13	-4.83	0.07	7.02	0.00	0.00	0.08	
94	CO13	3.57	-0.09	6.77	0.00	0.00	0.09	
97	CO13	-1.37	-0.08	6.58	0.00	0.00	-0.09	
99	CO13	0.00	0.14	5.65	0.00	0.00	-0.09	
102	CO13	0.11	0.12	4.64	0.00	0.00	0.08	
104	CO13	5.64	0.13	7.82	0.00	0.00	-0.16	
107	CO13	-3.32	0.12	7.69	0.00	0.00	0.16	
109	CO13	6.13	-0.03	8.74	0.00	0.00	0.09	
112	CO13	-10.64	-0.03	8.66	0.00	0.00	-0.09	
114	CO13	0.00	-0.66	2.87	0.00	0.00	0.41	
117	CO13	-0.04	-0.63	3.28	0.00	0.00	-0.40	
126	CO13	0.01	0.02	0.21	0.00	0.00	-0.02	
127	CO13	0.88	-0.06	19.89	0.00	0.00	0.66	
130	CO13	1.29	0.02	25.56	0.00	0.00	-0.18	
133	CO13	1.19	0.00	24.55	0.00	0.00	0.05	
136	CO13	1.21	0.00	24.75	0.00	0.00	-0.02	
139	CO13	1.22	0.00	24.92	0.00	0.00	0.04	
142	CO13	1.14	0.02	24.02	0.00	0.00	-0.16	
145	CO13	1.50	-0.06	27.62	0.00	0.00	0.62	
148	CO13	1.55	0.22	9.99	0.00	0.00	-1.28	
149	CO13	-0.01	0.02	0.16	0.00	0.00	0.02	
150	CO13	-0.85	-0.06	19.60	0.00	0.00	-0.67	
153	CO13	-1.32	0.02	25.45	0.00	0.00	0.25	
156	CO13	-1.28	-0.01	25.14	0.00	0.00	-0.15	
159	CO13	-1.04	0.04	22.27	0.00	0.00	0.59	
162	CO13	-1.85	-0.14	32.68	0.00	0.00	-2.11	
166	CO13	-1.23	0.20	23.21	0.00	0.00	4.13	
168	CO13	0.00	0.03	-0.16	0.00	0.00	-0.06	
169	CO13	1.81	0.26	10.33	0.00	0.00	-1.88	
170	CO13	0.96	-0.08	20.15	0.00	0.00	0.84	
173	CO13	1.35	0.02	25.88	0.00	0.00	-0.24	
176	CO13	1.25	0.00	24.71	0.00	0.00	0.06	
179	CO13	1.27	0.00	24.95	0.00	0.00	-0.03	
182	CO13	1.28	0.00	25.14	0.00	0.00	0.06	
185	CO13	1.19	0.01	24.09	0.00	0.00	-0.21	
188	CO13	1.58	-0.06	28.28	0.00	0.00	0.84	
191	CO13	-0.01	0.03	-0.19	0.00	0.00	0.06	
192	CO13	-1.54	0.28	10.77	0.00	0.00	1.71	
193	CO13	-0.76	-0.08	20.88	0.00	0.00	-0.71	
196	CO13	-0.96	0.02	26.84	0.00	0.00	0.23	
199	CO13	-0.87	0.00	25.61	0.00	0.00	-0.06	
202	CO13	-0.89	0.00	25.86	0.00	0.00	0.03	
205	CO13	-0.91	0.00	26.06	0.00	0.00	-0.06	
208	CO13	-0.82	0.02	24.95	0.00	0.00	0.21	
211	CO13	-1.15	-0.07	29.37	0.00	0.00	-0.80	
214	CO13	0.01	0.03	-0.19	0.00	0.00	-0.06	
215	CO13	1.54	0.28	10.77	0.00	0.00	-1.71	
216	CO13	0.76	-0.08	20.87	0.00	0.00	0.71	
219	CO13	0.96	0.02	26.84	0.00	0.00	-0.22	
222	CO13	0.87	-0.01	25.61	0.00	0.00	0.06	
225	CO13	0.89	0.00	25.86	0.00	0.00	-0.03	
228	CO13	0.91	0.00	26.06	0.00	0.00	0.05	
231	CO13	0.82	0.02	24.95	0.00	0.00	-0.21	
234	CO13	1.15	-0.07	29.37	0.00	0.00	0.80	
237	CO13	1.30	0.02	0.49	0.00	0.00	0.02	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
238	CO13	0.19	0.22	9.12	0.00	0.00	0.73	
239	CO13	2.85	-0.07	18.60	0.00	0.00	-0.30	
242	CO13	2.50	0.02	23.86	0.00	0.00	0.11	
245	CO13	2.62	0.00	23.04	0.00	0.00	-0.03	
248	CO13	2.59	0.00	23.20	0.00	0.00	0.01	
251	CO13	2.57	0.00	23.31	0.00	0.00	-0.02	
254	CO13	2.68	0.02	22.65	0.00	0.00	0.09	
257	CO13	2.26	-0.07	25.50	0.00	0.00	-0.38	
260	CO13	-1.30	0.02	0.49	0.00	0.00	-0.02	
261	CO13	-0.19	0.22	9.12	0.00	0.00	-0.73	
262	CO13	-2.85	-0.07	18.60	0.00	0.00	0.30	
265	CO13	-2.50	0.02	23.86	0.00	0.00	-0.11	
268	CO13	-2.62	0.00	23.04	0.00	0.00	0.03	
271	CO13	-2.59	0.00	23.20	0.00	0.00	-0.01	
274	CO13	-2.57	0.00	23.31	0.00	0.00	0.02	
277	CO13	-2.68	0.02	22.65	0.00	0.00	-0.09	
280	CO13	-2.26	-0.07	25.50	0.00	0.00	0.38	
283	CO13	0.01	-0.24	-0.16	0.00	0.00	-0.10	
285	CO13	-0.29	0.05	22.07	0.00	0.00	-0.74	
288	CO13	-1.15	0.01	25.44	0.00	0.00	0.19	
291	CO13	-1.02	0.00	25.15	0.00	0.00	-0.13	
294	CO13	-0.93	-0.01	23.62	0.00	0.00	0.33	
297	CO13	-1.34	0.03	29.67	0.00	0.00	-1.47	
301	CO13	-0.54	0.14	24.81	0.00	0.00	2.94	
326	CO13	0.02	-0.03	0.55	0.00	0.00	-0.06	
327	CO13	0.83	0.10	17.17	0.00	0.00	0.72	
330	CO13	1.15	-0.03	22.04	0.00	0.00	-0.15	
333	CO13	1.10	0.01	21.38	0.00	0.00	0.04	
336	CO13	1.10	0.00	21.49	0.00	0.00	-0.01	
339	CO13	1.11	0.01	21.58	0.00	0.00	0.03	
342	CO13	1.07	-0.02	21.09	0.00	0.00	-0.12	
345	CO13	1.25	0.09	23.34	0.00	0.00	0.52	
348	CO13	1.39	-0.35	8.25	0.00	0.00	-1.57	
349	CO13	-1.24	0.00	8.19	0.00	0.00	1.69	
350	CO13	-0.70	-0.02	17.03	0.00	0.00	-0.72	
353	CO13	-0.92	0.01	21.83	0.00	0.00	0.16	
356	CO13	-0.88	0.00	21.17	0.00	0.00	-0.04	
359	CO13	-0.89	0.00	21.29	0.00	0.00	0.02	
362	CO13	-0.89	0.00	21.38	0.00	0.00	-0.03	
365	CO13	-0.86	0.00	20.88	0.00	0.00	0.12	
368	CO13	-0.99	-0.02	23.14	0.00	0.00	-0.54	
372	CO13	-0.02	0.00	0.52	0.00	0.00	0.08	
373	CO13	1.24	-0.01	8.19	0.00	0.00	-1.68	
374	CO13	0.70	0.00	17.02	0.00	0.00	0.71	
377	CO13	0.92	-0.10	21.84	0.00	0.00	-0.09	
380	CO13	0.87	0.04	21.17	0.00	0.00	0.03	
383	CO13	0.89	-0.01	21.29	0.00	0.00	-0.01	
386	CO13	0.90	0.00	21.38	0.00	0.00	0.03	
389	CO13	0.86	-0.01	20.88	0.00	0.00	-0.12	
392	CO13	0.99	0.00	23.14	0.00	0.00	0.53	
396	CO13	0.02	0.00	0.53	0.00	0.00	-0.08	
397	CO13	-3.63	-0.18	6.27	0.00	0.00	1.25	
401	CO13	-1.23	0.12	7.62	0.00	0.00	-1.21	
404	CO13	0.32	-0.01	23.26	0.00	0.00	0.33	
407	CO13	0.07	0.00	21.34	0.00	0.00	-0.04	
410	CO13	0.66	-0.01	21.84	0.00	0.00	0.03	
413	CO13	-1.61	0.04	20.80	0.00	0.00	0.03	
416	CO13	-0.04	-0.01	27.40	0.00	0.00	-0.32	
Total max/min values with corresponding values								
109	CO13	P _x	6.13	-0.03	8.74	0.00	0.00	0.09
112			-10.64	-0.03	8.66	0.00	0.00	-0.09
192		P _y	-1.54	0.28	10.77	0.00	0.00	1.71
114			0.00	-0.66	2.87	0.00	0.00	0.41
162		P _z	-1.85	-0.14	32.68	0.00	0.00	-2.11
191			-0.01	0.03	-0.19	0.00	0.00	0.06
1		M _k	0.00	-0.06	2.91	0.00	0.00	0.04
1			0.00	-0.06	2.91	0.00	0.00	0.04
1		M _y	0.00	-0.06	2.91	0.00	0.00	0.04
1			0.00	-0.06	2.91	0.00	0.00	0.04
166		M _z	-1.23	0.20	23.21	0.00	0.00	4.13
162			-1.85	-0.14	32.68	0.00	0.00	-2.11
Sum of loads and sum of support forces								
Σ	CO13	P _x [kN]	0.00	0.00	2261.50	Loads		
Σ			0.00	0.00	2261.50	Support Forces		



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
1	CO14	0.00	-0.02	0.95	0.00	0.00	0.01	
6	CO14	-0.01	-0.01	0.48	0.00	0.00	-0.01	
9	CO14	0.00	0.07	1.78	0.00	0.00	-0.04	
12	CO14	-0.02	0.05	0.89	0.00	0.00	0.04	
14	CO14	0.69	0.02	2.34	0.00	0.00	-0.03	
17	CO14	-1.36	0.02	1.21	0.00	0.00	0.03	
19	CO14	0.68	-0.03	2.26	0.00	0.00	0.04	
22	CO14	-1.15	-0.03	1.17	0.00	0.00	-0.03	
24	CO14	0.00	-0.01	1.77	0.00	0.00	0.01	
27	CO14	-0.01	0.07	1.36	0.00	0.00	0.03	
29	CO14	0.62	0.03	2.17	0.00	0.00	-0.03	
32	CO14	-0.71	0.02	2.39	0.00	0.00	0.03	
34	CO14	0.62	-0.02	2.19	0.00	0.00	0.03	
37	CO14	-0.51	-0.03	2.28	0.00	0.00	-0.04	
39	CO14	0.00	0.00	1.77	0.00	0.00	0.00	
42	CO14	0.01	-0.01	1.72	0.00	0.00	-0.01	
44	CO14	0.63	0.03	2.21	0.00	0.00	-0.03	
47	CO14	-0.98	0.03	2.18	0.00	0.00	0.03	
49	CO14	0.63	-0.03	2.20	0.00	0.00	0.03	
52	CO14	-0.69	-0.02	2.18	0.00	0.00	-0.03	
54	CO14	0.00	0.00	1.77	0.00	0.00	0.00	
57	CO14	0.00	0.00	1.74	0.00	0.00	0.00	
59	CO14	0.62	0.03	2.20	0.00	0.00	-0.03	
62	CO14	-0.93	0.02	2.21	0.00	0.00	0.03	
64	CO14	0.62	-0.03	2.19	0.00	0.00	0.03	
67	CO14	-0.61	-0.02	2.20	0.00	0.00	-0.03	
69	CO14	0.00	0.00	1.77	0.00	0.00	0.00	
72	CO14	0.01	0.00	1.72	0.00	0.00	0.00	
74	CO14	0.63	0.03	2.21	0.00	0.00	-0.03	
77	CO14	-0.96	0.03	2.21	0.00	0.00	0.03	
79	CO14	0.63	-0.02	2.22	0.00	0.00	0.03	
82	CO14	-0.75	-0.02	2.22	0.00	0.00	-0.03	
84	CO14	0.00	-0.01	1.78	0.00	0.00	0.01	
87	CO14	0.00	-0.01	1.76	0.00	0.00	0.00	
89	CO14	0.60	0.02	2.16	0.00	0.00	-0.03	
92	CO14	-0.87	0.02	2.18	0.00	0.00	0.03	
94	CO14	0.60	-0.03	2.11	0.00	0.00	0.03	
97	CO14	-0.18	-0.03	2.06	0.00	0.00	-0.03	
99	CO14	0.00	0.04	1.77	0.00	0.00	-0.03	
102	CO14	0.02	0.04	1.54	0.00	0.00	0.03	
104	CO14	0.79	0.04	2.40	0.00	0.00	-0.05	
107	CO14	-0.42	0.04	2.36	0.00	0.00	0.05	
109	CO14	0.81	-0.01	2.66	0.00	0.00	0.03	
112	CO14	-1.82	-0.01	2.65	0.00	0.00	-0.03	
114	CO14	0.00	-0.22	0.94	0.00	0.00	0.14	
117	CO14	-0.01	-0.21	1.03	0.00	0.00	-0.13	
126	CO14	0.00	0.00	0.11	0.00	0.00	0.00	
127	CO14	0.12	-0.01	2.97	0.00	0.00	0.09	
130	CO14	0.18	0.00	3.81	0.00	0.00	-0.03	
133	CO14	0.16	0.00	3.66	0.00	0.00	0.01	
136	CO14	0.17	0.00	3.69	0.00	0.00	0.00	
139	CO14	0.17	0.00	3.72	0.00	0.00	0.01	
142	CO14	0.15	0.00	3.58	0.00	0.00	-0.02	
145	CO14	0.21	-0.01	4.12	0.00	0.00	0.09	
148	CO14	0.21	0.04	1.56	0.00	0.00	-0.19	
149	CO14	0.00	0.00	0.10	0.00	0.00	0.00	
150	CO14	-0.11	-0.01	2.86	0.00	0.00	-0.10	
153	CO14	-0.19	0.00	3.80	0.00	0.00	0.04	
156	CO14	-0.18	0.00	3.75	0.00	0.00	-0.02	
159	CO14	-0.14	0.01	3.29	0.00	0.00	0.10	
162	CO14	-0.27	-0.02	4.94	0.00	0.00	-0.33	
166	CO14	-0.17	0.03	3.51	0.00	0.00	0.63	
168	CO14	0.00	0.01	-0.05	0.00	0.00	-0.02	
169	CO14	0.45	0.10	2.51	0.00	0.00	-0.47	
170	CO14	0.23	-0.03	4.73	0.00	0.00	0.21	
173	CO14	0.32	0.01	6.06	0.00	0.00	-0.06	
176	CO14	0.29	0.00	5.76	0.00	0.00	0.02	
179	CO14	0.30	0.00	5.82	0.00	0.00	-0.01	
182	CO14	0.30	0.00	5.87	0.00	0.00	0.01	
185	CO14	0.28	0.00	5.60	0.00	0.00	-0.06	
188	CO14	0.37	-0.02	6.68	0.00	0.00	0.22	
191	CO14	0.00	0.01	-0.04	0.00	0.00	0.02	
192	CO14	-0.42	0.10	2.58	0.00	0.00	0.45	
193	CO14	-0.20	-0.03	4.85	0.00	0.00	-0.19	
196	CO14	-0.26	0.01	6.22	0.00	0.00	0.06	
199	CO14	-0.23	0.00	5.91	0.00	0.00	-0.02	
202	CO14	-0.24	0.00	5.98	0.00	0.00	0.01	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
205	CO14	-0.24	0.00	6.03	0.00	0.00	-0.01	
208	CO14	-0.22	0.00	5.75	0.00	0.00	0.06	
211	CO14	-0.31	-0.02	6.86	0.00	0.00	-0.21	
214	CO14	0.00	0.01	-0.04	0.00	0.00	-0.02	
215	CO14	0.42	0.10	2.58	0.00	0.00	-0.45	
216	CO14	0.20	-0.03	4.85	0.00	0.00	0.19	
219	CO14	0.26	0.01	6.22	0.00	0.00	-0.06	
222	CO14	0.23	0.00	5.92	0.00	0.00	0.02	
225	CO14	0.24	0.00	5.98	0.00	0.00	-0.01	
228	CO14	0.24	0.00	6.03	0.00	0.00	0.01	
231	CO14	0.22	0.01	5.75	0.00	0.00	-0.05	
234	CO14	0.31	-0.02	6.86	0.00	0.00	0.21	
237	CO14	0.32	0.00	0.15	0.00	0.00	0.00	
238	CO14	0.18	0.04	1.43	0.00	0.00	0.12	
239	CO14	0.58	-0.01	2.77	0.00	0.00	-0.04	
242	CO14	0.57	0.00	3.53	0.00	0.00	0.02	
245	CO14	0.59	0.00	3.41	0.00	0.00	-0.01	
248	CO14	0.59	0.00	3.44	0.00	0.00	0.00	
251	CO14	0.58	0.00	3.46	0.00	0.00	-0.01	
254	CO14	0.61	0.00	3.35	0.00	0.00	0.02	
257	CO14	0.53	-0.01	3.79	0.00	0.00	-0.07	
260	CO14	-0.32	0.00	0.15	0.00	0.00	0.00	
261	CO14	-0.18	0.04	1.43	0.00	0.00	-0.12	
262	CO14	-0.58	-0.01	2.77	0.00	0.00	0.04	
265	CO14	-0.57	0.00	3.53	0.00	0.00	-0.02	
268	CO14	-0.59	0.00	3.41	0.00	0.00	0.01	
271	CO14	-0.59	0.00	3.44	0.00	0.00	0.00	
274	CO14	-0.58	0.00	3.46	0.00	0.00	0.01	
277	CO14	-0.61	0.00	3.35	0.00	0.00	-0.02	
280	CO14	-0.53	-0.01	3.79	0.00	0.00	0.07	
283	CO14	0.01	-0.08	-0.05	0.00	0.00	-0.04	
285	CO14	0.00	0.01	5.40	0.00	0.00	-0.17	
288	CO14	-0.25	0.00	5.93	0.00	0.00	0.04	
291	CO14	-0.21	0.00	5.87	0.00	0.00	-0.03	
294	CO14	-0.19	0.00	5.56	0.00	0.00	0.06	
297	CO14	-0.28	0.00	6.83	0.00	0.00	-0.32	
301	CO14	-0.08	0.06	6.01	0.00	0.00	0.62	
326	CO14	0.02	-0.01	0.28	0.00	0.00	-0.02	
327	CO14	0.30	0.03	5.95	0.00	0.00	0.25	
330	CO14	0.42	-0.01	7.66	0.00	0.00	-0.05	
333	CO14	0.40	0.00	7.44	0.00	0.00	0.01	
336	CO14	0.40	0.00	7.48	0.00	0.00	0.00	
339	CO14	0.41	0.00	7.50	0.00	0.00	0.01	
342	CO14	0.39	-0.01	7.35	0.00	0.00	-0.04	
345	CO14	0.45	0.03	8.07	0.00	0.00	0.16	
348	CO14	0.49	-0.10	2.90	0.00	0.00	-0.52	
349	CO14	-0.46	0.02	2.89	0.00	0.00	0.57	
350	CO14	-0.28	-0.01	5.93	0.00	0.00	-0.25	
353	CO14	-0.37	0.00	7.62	0.00	0.00	0.05	
356	CO14	-0.36	0.00	7.41	0.00	0.00	-0.01	
359	CO14	-0.36	0.00	7.44	0.00	0.00	0.00	
362	CO14	-0.36	0.00	7.47	0.00	0.00	-0.01	
365	CO14	-0.35	0.00	7.32	0.00	0.00	0.04	
368	CO14	-0.39	-0.01	8.04	0.00	0.00	-0.17	
372	CO14	-0.01	0.00	0.28	0.00	0.00	0.03	
373	CO14	0.46	0.02	2.89	0.00	0.00	-0.57	
374	CO14	0.28	-0.01	5.92	0.00	0.00	0.25	
377	CO14	0.37	-0.03	7.62	0.00	0.00	-0.03	
380	CO14	0.35	0.01	7.41	0.00	0.00	0.01	
383	CO14	0.36	0.00	7.44	0.00	0.00	0.00	
386	CO14	0.36	0.00	7.47	0.00	0.00	0.01	
389	CO14	0.35	0.00	7.32	0.00	0.00	-0.04	
392	CO14	0.40	-0.01	8.04	0.00	0.00	0.17	
396	CO14	0.01	0.00	0.28	0.00	0.00	-0.03	
397	CO14	-0.82	-0.05	2.44	0.00	0.00	0.43	
401	CO14	-0.44	0.04	2.73	0.00	0.00	-0.42	
404	CO14	-0.14	0.00	8.02	0.00	0.00	0.11	
407	CO14	-0.17	0.00	7.40	0.00	0.00	-0.01	
410	CO14	-0.07	0.00	7.55	0.00	0.00	0.01	
413	CO14	-0.47	0.01	7.29	0.00	0.00	0.01	
416	CO14	-0.22	0.00	9.02	0.00	0.00	-0.11	
Total max/min values with corresponding values								
109	CO14	P _x	0.81	-0.01	2.66	0.00	0.00	0.03
112			-1.82	-0.01	2.65	0.00	0.00	-0.03
192		P _y	-0.42	0.10	2.58	0.00	0.00	0.45
114			0.00	-0.22	0.94	0.00	0.00	0.14
416		P _z	-0.22	0.00	9.02	0.00	0.00	-0.11



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
283		P _z	0.01	-0.08	-0.05	0.00	0.00	-0.04	
1		M _x	0.00	-0.02	0.95	0.00	0.00	0.01	
1			0.00	-0.02	0.95	0.00	0.00	0.01	
1		M _y	0.00	-0.02	0.95	0.00	0.00	0.01	
1			0.00	-0.02	0.95	0.00	0.00	0.01	
166		M _z	-0.17	0.03	3.51	0.00	0.00	0.63	
373			0.46	0.02	2.89	0.00	0.00	-0.57	
Sum of loads and sum of support forces									
	CO14		P _x [kN]	P _y [kN]	P _z [kN]				
Σ			0.00	0.00	562.39	Loads			
Σ			0.00	0.00	562.39	Support Forces			
1	CO15		0.00	-0.04	1.84	0.00	0.00	0.02	
6	CO15		-0.02	-0.03	0.92	0.00	0.00	-0.02	
9	CO15		0.00	0.13	3.54	0.00	0.00	-0.08	
12	CO15		-0.04	0.09	1.77	0.00	0.00	0.07	
14	CO15		2.29	0.04	4.72	0.00	0.00	-0.06	
17	CO15		-3.87	0.04	2.48	0.00	0.00	0.05	
19	CO15		2.22	-0.06	4.55	0.00	0.00	0.07	
22	CO15		-3.34	-0.05	2.39	0.00	0.00	-0.06	
24	CO15		0.00	-0.03	3.54	0.00	0.00	0.02	
27	CO15		-0.02	0.13	2.68	0.00	0.00	0.06	
29	CO15		1.94	0.05	4.36	0.00	0.00	-0.06	
32	CO15		-2.27	0.04	4.76	0.00	0.00	0.06	
34	CO15		1.95	-0.05	4.39	0.00	0.00	0.05	
37	CO15		-1.63	-0.06	4.57	0.00	0.00	-0.07	
39	CO15		0.00	0.01	3.54	0.00	0.00	0.00	
42	CO15		0.01	-0.02	3.40	0.00	0.00	-0.01	
44	CO15		2.00	0.05	4.43	0.00	0.00	-0.06	
47	CO15		-2.88	0.05	4.38	0.00	0.00	0.06	
49	CO15		2.00	-0.05	4.42	0.00	0.00	0.06	
52	CO15		-2.16	-0.05	4.38	0.00	0.00	-0.05	
54	CO15		0.00	0.00	3.54	0.00	0.00	0.00	
57	CO15		0.01	0.00	3.45	0.00	0.00	0.00	
59	CO15		1.98	0.05	4.41	0.00	0.00	-0.06	
62	CO15		-2.75	0.05	4.44	0.00	0.00	0.06	
64	CO15		1.98	-0.05	4.41	0.00	0.00	0.06	
67	CO15		-1.94	-0.05	4.40	0.00	0.00	-0.06	
69	CO15		0.00	0.00	3.54	0.00	0.00	0.00	
72	CO15		0.01	0.00	3.42	0.00	0.00	0.00	
74	CO15		2.02	0.05	4.43	0.00	0.00	-0.06	
77	CO15		-2.85	0.05	4.44	0.00	0.00	0.06	
79	CO15		2.02	-0.05	4.46	0.00	0.00	0.06	
82	CO15		-2.34	-0.05	4.46	0.00	0.00	-0.05	
84	CO15		0.00	-0.02	3.54	0.00	0.00	0.01	
87	CO15		0.00	-0.01	3.51	0.00	0.00	-0.01	
89	CO15		1.85	0.04	4.34	0.00	0.00	-0.05	
92	CO15		-2.51	0.04	4.37	0.00	0.00	0.05	
94	CO15		1.83	-0.05	4.22	0.00	0.00	0.06	
97	CO15		-0.67	-0.05	4.11	0.00	0.00	-0.06	
99	CO15		0.00	0.09	3.53	0.00	0.00	-0.05	
102	CO15		0.06	0.08	2.97	0.00	0.00	0.05	
104	CO15		2.76	0.08	4.84	0.00	0.00	-0.10	
107	CO15		-1.59	0.08	4.76	0.00	0.00	0.10	
109	CO15		2.96	-0.02	5.39	0.00	0.00	0.06	
112	CO15		-5.46	-0.02	5.36	0.00	0.00	-0.05	
114	CO15		0.00	-0.42	1.82	0.00	0.00	0.26	
117	CO15		-0.02	-0.40	2.04	0.00	0.00	-0.26	
126	CO15		0.00	0.01	0.15	0.00	0.00	-0.01	
127	CO15		0.43	-0.03	9.86	0.00	0.00	0.32	
130	CO15		0.63	0.01	12.67	0.00	0.00	-0.09	
133	CO15		0.58	0.00	12.17	0.00	0.00	0.02	
136	CO15		0.59	0.00	12.27	0.00	0.00	-0.01	
139	CO15		0.60	0.00	12.35	0.00	0.00	0.02	
142	CO15		0.55	0.01	11.91	0.00	0.00	-0.08	
145	CO15		0.73	-0.03	13.69	0.00	0.00	0.31	
148	CO15		0.75	0.12	4.99	0.00	0.00	-0.64	
149	CO15		0.00	0.01	0.13	0.00	0.00	0.01	
150	CO15		-0.41	-0.03	9.67	0.00	0.00	-0.33	
153	CO15		-0.65	0.01	12.62	0.00	0.00	0.13	
156	CO15		-0.62	-0.01	12.47	0.00	0.00	-0.07	
159	CO15		-0.50	0.02	11.02	0.00	0.00	0.30	
162	CO15		-0.91	-0.07	16.26	0.00	0.00	-1.06	
166	CO15		-0.60	0.10	11.52	0.00	0.00	2.07	
168	CO15		0.00	0.02	-0.11	0.00	0.00	-0.04	
169	CO15		1.03	0.18	5.85	0.00	0.00	-1.08	

RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
170	CO15	0.54	-0.05	11.32	0.00	0.00	0.48	
173	CO15	0.76	0.01	14.52	0.00	0.00	-0.14	
176	CO15	0.70	0.00	13.85	0.00	0.00	0.04	
179	CO15	0.71	0.00	13.98	0.00	0.00	-0.02	
182	CO15	0.72	0.00	14.09	0.00	0.00	0.03	
185	CO15	0.66	0.01	13.48	0.00	0.00	-0.12	
188	CO15	0.89	-0.04	15.91	0.00	0.00	0.49	
191	CO15	0.00	0.02	-0.12	0.00	0.00	0.04	
192	CO15	-0.91	0.18	6.08	0.00	0.00	1.00	
193	CO15	-0.44	-0.05	11.69	0.00	0.00	-0.41	
196	CO15	-0.57	0.01	15.01	0.00	0.00	0.13	
199	CO15	-0.51	0.00	14.31	0.00	0.00	-0.04	
202	CO15	-0.52	0.00	14.45	0.00	0.00	0.02	
205	CO15	-0.53	0.00	14.57	0.00	0.00	-0.03	
208	CO15	-0.48	0.01	13.93	0.00	0.00	0.12	
211	CO15	-0.68	-0.04	16.46	0.00	0.00	-0.47	
214	CO15	0.00	0.02	-0.12	0.00	0.00	-0.04	
215	CO15	0.91	0.18	6.08	0.00	0.00	-1.00	
216	CO15	0.44	-0.05	11.68	0.00	0.00	0.41	
219	CO15	0.57	0.01	15.01	0.00	0.00	-0.13	
222	CO15	0.51	0.00	14.31	0.00	0.00	0.04	
225	CO15	0.52	0.00	14.45	0.00	0.00	-0.02	
228	CO15	0.53	0.00	14.57	0.00	0.00	0.03	
231	CO15	0.48	0.01	13.93	0.00	0.00	-0.12	
234	CO15	0.68	-0.04	16.46	0.00	0.00	0.47	
237	CO15	0.74	0.01	0.29	0.00	0.00	0.01	
238	CO15	0.21	0.12	4.56	0.00	0.00	0.37	
239	CO15	1.54	-0.04	9.22	0.00	0.00	-0.15	
242	CO15	1.40	0.01	11.81	0.00	0.00	0.06	
245	CO15	1.46	0.00	11.40	0.00	0.00	-0.01	
248	CO15	1.45	0.00	11.48	0.00	0.00	0.01	
251	CO15	1.44	0.00	11.54	0.00	0.00	-0.01	
254	CO15	1.50	0.01	11.20	0.00	0.00	0.05	
257	CO15	1.28	-0.04	12.62	0.00	0.00	-0.20	
260	CO15	-0.74	0.01	0.29	0.00	0.00	-0.01	
261	CO15	-0.21	0.12	4.56	0.00	0.00	-0.37	
262	CO15	-1.54	-0.04	9.22	0.00	0.00	0.15	
265	CO15	-1.40	0.01	11.81	0.00	0.00	-0.06	
268	CO15	-1.46	0.00	11.40	0.00	0.00	0.01	
271	CO15	-1.45	0.00	11.48	0.00	0.00	-0.01	
274	CO15	-1.44	0.00	11.54	0.00	0.00	0.01	
277	CO15	-1.50	0.01	11.20	0.00	0.00	-0.05	
280	CO15	-1.28	-0.04	12.62	0.00	0.00	0.20	
283	CO15	0.01	-0.16	-0.11	0.00	0.00	-0.07	
285	CO15	-0.11	0.03	12.56	0.00	0.00	-0.41	
288	CO15	-0.63	0.01	14.25	0.00	0.00	0.10	
291	CO15	-0.55	0.00	14.09	0.00	0.00	-0.08	
294	CO15	-0.50	-0.01	13.27	0.00	0.00	0.17	
297	CO15	-0.73	0.01	16.56	0.00	0.00	-0.81	
301	CO15	-0.27	0.10	14.06	0.00	0.00	1.60	
326	CO15	0.02	-0.02	0.42	0.00	0.00	-0.04	
327	CO15	0.55	0.06	11.13	0.00	0.00	0.46	
330	CO15	0.76	-0.02	14.30	0.00	0.00	-0.10	
333	CO15	0.73	0.00	13.88	0.00	0.00	0.02	
336	CO15	0.73	0.00	13.95	0.00	0.00	-0.01	
339	CO15	0.74	0.00	14.00	0.00	0.00	0.02	
342	CO15	0.71	-0.01	13.70	0.00	0.00	-0.07	
345	CO15	0.82	0.06	15.12	0.00	0.00	0.32	
348	CO15	0.91	-0.21	5.37	0.00	0.00	-1.00	
349	CO15	-0.83	0.02	5.34	0.00	0.00	1.08	
350	CO15	-0.48	-0.02	11.06	0.00	0.00	-0.47	
353	CO15	-0.63	0.00	14.19	0.00	0.00	0.10	
356	CO15	-0.61	0.00	13.78	0.00	0.00	-0.02	
359	CO15	-0.62	0.00	13.85	0.00	0.00	0.01	
362	CO15	-0.62	0.00	13.90	0.00	0.00	-0.02	
365	CO15	-0.60	0.00	13.59	0.00	0.00	0.08	
368	CO15	-0.68	-0.01	15.01	0.00	0.00	-0.34	
372	CO15	-0.02	0.00	0.40	0.00	0.00	0.05	
373	CO15	0.83	0.01	5.34	0.00	0.00	-1.08	
374	CO15	0.48	-0.01	11.05	0.00	0.00	0.46	
377	CO15	0.64	-0.06	14.20	0.00	0.00	-0.06	
380	CO15	0.61	0.02	13.78	0.00	0.00	0.02	
383	CO15	0.62	0.00	13.85	0.00	0.00	-0.01	
386	CO15	0.62	0.00	13.90	0.00	0.00	0.02	
389	CO15	0.60	0.00	13.59	0.00	0.00	-0.07	
392	CO15	0.68	-0.01	15.01	0.00	0.00	0.34	
396	CO15	0.02	0.00	0.41	0.00	0.00	-0.05	



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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
397	SC0 CO15	-2.02	-0.11	4.25	0.00	0.00	0.81	
401	SC0 CO15	-0.81	0.08	5.00	0.00	0.00	-0.79	
404	SC0 CO15	0.01	-0.01	15.04	0.00	0.00	0.21	
407	SC0 CO15	-0.10	0.00	13.84	0.00	0.00	-0.03	
410	SC0 CO15	0.20	-0.01	14.14	0.00	0.00	0.02	
413	SC0 CO15	-0.97	0.02	13.55	0.00	0.00	0.02	
416	SC0 CO15	-0.19	0.00	17.40	0.00	0.00	-0.21	
Total max/min values with corresponding values								
109	SC0 CO15	P _x	2.96	-0.02	5.39	0.00	0.00	0.06
112			-5.46	-0.02	5.36	0.00	0.00	-0.05
192		P _y	-0.91	0.18	6.08	0.00	0.00	1.00
114			0.00	-0.42	1.82	0.00	0.00	0.26
416		P _z	-0.19	0.00	17.40	0.00	0.00	-0.21
191			0.00	0.02	-0.12	0.00	0.00	0.04
1		M _x	0.00	-0.04	1.84	0.00	0.00	0.02
1			0.00	-0.04	1.84	0.00	0.00	0.02
1		M _y	0.00	-0.04	1.84	0.00	0.00	0.02
1			0.00	-0.04	1.84	0.00	0.00	0.02
166		M _z	-0.60	0.10	11.52	0.00	0.00	2.07
169			1.03	0.18	5.85	0.00	0.00	-1.08
Sum of loads and sum of support forces								
Σ	SC0 CO15	P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ		0.00	0.00	1294.86	Support Forces			
Σ		0.00	0.00	1294.86				
1	ST CO16	0.00	-0.02	0.88	0.00	0.00	0.01	
6	ST CO16	-0.01	-0.01	0.44	0.00	0.00	-0.01	
9	ST CO16	0.00	0.06	1.67	0.00	0.00	-0.04	
12	ST CO16	-0.02	0.04	0.84	0.00	0.00	0.03	
14	ST CO16	1.55	0.02	2.27	0.00	0.00	-0.03	
17	ST CO16	-2.45	0.02	1.21	0.00	0.00	0.02	
19	ST CO16	1.50	-0.03	2.18	0.00	0.00	0.03	
22	ST CO16	-2.14	-0.03	1.17	0.00	0.00	-0.03	
24	ST CO16	0.00	-0.01	1.67	0.00	0.00	0.01	
27	ST CO16	-0.01	0.06	1.27	0.00	0.00	0.03	
29	ST CO16	1.28	0.02	2.08	0.00	0.00	-0.03	
32	ST CO16	-1.52	0.02	2.27	0.00	0.00	0.03	
34	ST CO16	1.28	-0.02	2.10	0.00	0.00	0.02	
37	ST CO16	-1.08	-0.03	2.18	0.00	0.00	-0.03	
39	ST CO16	0.00	0.00	1.67	0.00	0.00	0.00	
42	ST CO16	0.01	-0.01	1.59	0.00	0.00	0.00	
44	ST CO16	1.33	0.02	2.12	0.00	0.00	-0.03	
47	ST CO16	-1.84	0.02	2.09	0.00	0.00	0.03	
49	ST CO16	1.33	-0.02	2.12	0.00	0.00	0.03	
52	ST CO16	-1.43	-0.02	2.10	0.00	0.00	-0.02	
54	ST CO16	0.00	0.00	1.67	0.00	0.00	0.00	
57	ST CO16	0.01	0.00	1.62	0.00	0.00	0.00	
59	ST CO16	1.31	0.02	2.11	0.00	0.00	-0.03	
62	ST CO16	-1.77	0.02	2.12	0.00	0.00	0.03	
64	ST CO16	1.31	-0.02	2.11	0.00	0.00	0.03	
67	ST CO16	-1.29	-0.02	2.10	0.00	0.00	-0.03	
69	ST CO16	0.00	0.00	1.67	0.00	0.00	0.00	
72	ST CO16	0.01	0.00	1.60	0.00	0.00	0.00	
74	ST CO16	1.34	0.02	2.12	0.00	0.00	-0.03	
77	ST CO16	-1.83	0.02	2.12	0.00	0.00	0.03	
79	ST CO16	1.35	-0.02	2.14	0.00	0.00	0.03	
82	ST CO16	-1.54	-0.02	2.14	0.00	0.00	-0.03	
84	ST CO16	0.00	-0.01	1.67	0.00	0.00	0.01	
87	ST CO16	0.00	-0.01	1.65	0.00	0.00	0.00	
89	ST CO16	1.20	0.02	2.07	0.00	0.00	-0.02	
92	ST CO16	-1.60	0.02	2.09	0.00	0.00	0.02	
94	ST CO16	1.18	-0.03	2.01	0.00	0.00	0.03	
97	ST CO16	-0.46	-0.03	1.95	0.00	0.00	-0.03	
99	ST CO16	0.00	0.04	1.67	0.00	0.00	-0.03	
102	ST CO16	0.03	0.04	1.34	0.00	0.00	0.02	
104	ST CO16	1.92	0.04	2.33	0.00	0.00	-0.05	
107	ST CO16	-1.15	0.04	2.29	0.00	0.00	0.05	
109	ST CO16	2.09	-0.01	2.62	0.00	0.00	0.03	
112	ST CO16	-3.55	-0.01	2.59	0.00	0.00	-0.03	
114	ST CO16	0.00	-0.20	0.87	0.00	0.00	0.12	
117	ST CO16	-0.01	-0.19	0.99	0.00	0.00	-0.12	
126	ST CO16	0.00	0.01	0.09	0.00	0.00	-0.01	
127	ST CO16	0.30	-0.02	6.76	0.00	0.00	0.22	
130	ST CO16	0.44	0.01	8.69	0.00	0.00	-0.06	
133	ST CO16	0.41	0.00	8.34	0.00	0.00	0.02	
136	ST CO16	0.41	0.00	8.41	0.00	0.00	-0.01	



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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
139	CO16	0.42	0.00	8.47	0.00	0.00	0.01	
142	CO16	0.39	0.01	8.16	0.00	0.00	-0.05	
145	CO16	0.51	-0.02	9.39	0.00	0.00	0.21	
148	CO16	0.53	0.07	3.42	0.00	0.00	-0.44	
149	CO16	0.00	0.01	0.08	0.00	0.00	0.01	
150	CO16	-0.29	-0.02	6.68	0.00	0.00	-0.23	
153	CO16	-0.45	0.01	8.65	0.00	0.00	0.08	
156	CO16	-0.44	0.00	8.54	0.00	0.00	-0.05	
159	CO16	-0.36	0.01	7.58	0.00	0.00	0.20	
162	CO16	-0.63	-0.05	11.07	0.00	0.00	-0.71	
166	CO16	-0.43	0.07	7.93	0.00	0.00	1.38	
168	CO16	0.00	0.01	-0.01	0.00	0.00	-0.02	
169	CO16	0.58	0.08	3.34	0.00	0.00	-0.60	
170	CO16	0.31	-0.02	6.48	0.00	0.00	0.27	
173	CO16	0.43	0.01	8.32	0.00	0.00	-0.08	
176	CO16	0.40	0.00	7.95	0.00	0.00	0.02	
179	CO16	0.41	0.00	8.02	0.00	0.00	-0.01	
182	CO16	0.41	0.00	8.08	0.00	0.00	0.02	
185	CO16	0.38	0.00	7.75	0.00	0.00	-0.07	
188	CO16	0.51	-0.02	9.08	0.00	0.00	0.26	
191	CO16	-0.01	0.01	-0.02	0.00	0.00	0.02	
192	CO16	-0.48	0.08	3.49	0.00	0.00	0.54	
193	CO16	-0.24	-0.02	6.72	0.00	0.00	-0.22	
196	CO16	-0.30	0.01	8.64	0.00	0.00	0.07	
199	CO16	-0.28	0.00	8.24	0.00	0.00	-0.02	
202	CO16	-0.28	0.00	8.32	0.00	0.00	0.01	
205	CO16	-0.29	0.00	8.39	0.00	0.00	-0.02	
208	CO16	-0.26	0.00	8.04	0.00	0.00	0.07	
211	CO16	-0.36	-0.02	9.44	0.00	0.00	-0.25	
214	CO16	0.01	0.01	-0.02	0.00	0.00	-0.02	
215	CO16	0.48	0.08	3.49	0.00	0.00	-0.54	
216	CO16	0.24	-0.02	6.72	0.00	0.00	0.22	
219	CO16	0.30	0.01	8.64	0.00	0.00	-0.07	
222	CO16	0.28	0.00	8.25	0.00	0.00	0.02	
225	CO16	0.28	0.00	8.32	0.00	0.00	-0.01	
228	CO16	0.29	0.00	8.39	0.00	0.00	0.02	
231	CO16	0.26	0.00	8.04	0.00	0.00	-0.06	
234	CO16	0.36	-0.02	9.44	0.00	0.00	0.25	
237	CO16	0.43	0.01	0.19	0.00	0.00	0.01	
238	CO16	0.04	0.07	3.13	0.00	0.00	0.25	
239	CO16	0.90	-0.02	6.33	0.00	0.00	-0.10	
242	CO16	0.78	0.01	8.12	0.00	0.00	0.04	
245	CO16	0.81	0.00	7.84	0.00	0.00	-0.01	
248	CO16	0.81	0.00	7.89	0.00	0.00	0.00	
251	CO16	0.80	0.00	7.93	0.00	0.00	-0.01	
254	CO16	0.84	0.01	7.71	0.00	0.00	0.03	
257	CO16	0.70	-0.02	8.67	0.00	0.00	-0.13	
260	CO16	-0.43	0.01	0.19	0.00	0.00	-0.01	
261	CO16	-0.04	0.07	3.13	0.00	0.00	-0.25	
262	CO16	-0.90	-0.02	6.33	0.00	0.00	0.10	
265	CO16	-0.78	0.01	8.12	0.00	0.00	-0.04	
268	CO16	-0.81	0.00	7.84	0.00	0.00	0.01	
271	CO16	-0.81	0.00	7.89	0.00	0.00	0.00	
274	CO16	-0.80	0.00	7.93	0.00	0.00	0.01	
277	CO16	-0.84	0.01	7.71	0.00	0.00	-0.03	
280	CO16	-0.70	-0.02	8.67	0.00	0.00	0.13	
283	CO16	0.00	-0.07	-0.01	0.00	0.00	-0.03	
285	CO16	-0.11	0.01	7.04	0.00	0.00	-0.24	
288	CO16	-0.37	0.00	8.18	0.00	0.00	0.06	
291	CO16	-0.34	0.00	8.09	0.00	0.00	-0.04	
294	CO16	-0.30	0.00	7.59	0.00	0.00	0.11	
297	CO16	-0.44	0.01	9.55	0.00	0.00	-0.48	
301	CO16	-0.19	0.04	7.97	0.00	0.00	0.94	
326	CO16	0.00	-0.01	0.17	0.00	0.00	-0.02	
327	CO16	0.24	0.03	5.07	0.00	0.00	0.21	
330	CO16	0.33	-0.01	6.50	0.00	0.00	-0.05	
333	CO16	0.32	0.00	6.30	0.00	0.00	0.01	
336	CO16	0.32	0.00	6.34	0.00	0.00	0.00	
339	CO16	0.32	0.00	6.36	0.00	0.00	0.01	
342	CO16	0.31	-0.01	6.21	0.00	0.00	-0.04	
345	CO16	0.36	0.03	6.89	0.00	0.00	0.16	
348	CO16	0.41	-0.11	2.46	0.00	0.00	-0.47	
349	CO16	-0.36	0.00	2.44	0.00	0.00	0.50	
350	CO16	-0.20	0.00	5.02	0.00	0.00	-0.21	
353	CO16	-0.26	0.00	6.43	0.00	0.00	0.05	
356	CO16	-0.25	0.00	6.23	0.00	0.00	-0.01	
359	CO16	-0.25	0.00	6.27	0.00	0.00	0.00	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P_x [kN]	P_y [kN]	P_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	
362	CO16	-0.25	0.00	6.30	0.00	0.00	-0.01	
365	CO16	-0.24	0.00	6.14	0.00	0.00	0.04	
368	CO16	-0.28	0.00	6.83	0.00	0.00	-0.16	
372	CO16	0.00	0.00	0.17	0.00	0.00	0.02	
373	CO16	0.36	-0.01	2.44	0.00	0.00	-0.50	
374	CO16	0.20	0.00	5.02	0.00	0.00	0.21	
377	CO16	0.26	-0.03	6.43	0.00	0.00	-0.03	
380	CO16	0.25	0.01	6.23	0.00	0.00	0.01	
383	CO16	0.25	0.00	6.27	0.00	0.00	0.00	
386	CO16	0.25	0.00	6.30	0.00	0.00	0.01	
389	CO16	0.24	0.00	6.14	0.00	0.00	-0.04	
392	CO16	0.28	0.00	6.83	0.00	0.00	0.16	
396	CO16	0.00	0.00	0.17	0.00	0.00	-0.02	
397	CO16	-1.15	-0.06	1.84	0.00	0.00	0.37	
401	CO16	-0.36	0.04	2.26	0.00	0.00	-0.36	
404	CO16	0.15	0.00	6.87	0.00	0.00	0.10	
407	CO16	0.07	0.00	6.30	0.00	0.00	-0.01	
410	CO16	0.26	0.00	6.45	0.00	0.00	0.01	
413	CO16	-0.49	0.01	6.12	0.00	0.00	0.01	
416	CO16	0.04	0.00	8.19	0.00	0.00	-0.10	
Total max/min values with corresponding values								
109	CO16	P_x 2.09	-0.01	2.62	0.00	0.00	0.03	
112		-3.55	-0.01	2.59	0.00	0.00	-0.03	
192		P_y -0.48	0.08	3.49	0.00	0.00	0.54	
114		0.00	-0.20	0.87	0.00	0.00	0.12	
162		-0.63	-0.05	11.07	0.00	0.00	-0.71	
191		-0.01	0.01	-0.02	0.00	0.00	0.02	
1		M_k 0.00	-0.02	0.88	0.00	0.00	0.01	
1		0.00	-0.02	0.88	0.00	0.00	0.01	
1		M_y 0.00	-0.02	0.88	0.00	0.00	0.01	
1		0.00	-0.02	0.88	0.00	0.00	0.01	
166		M_z -0.43	0.07	7.93	0.00	0.00	1.38	
162		-0.63	-0.05	11.07	0.00	0.00	-0.71	
Sum of loads and sum of support forces								
	CO16	P_x [kN]	P_y [kN]	P_z [kN]				
Σ		0.00	0.00	717.36	Loads			
Σ		0.00	0.00	717.36	Support Forces			
1	CO17	0.00	-0.03	1.24	0.00	0.00	0.02	
6	CO17	-0.01	-0.02	0.62	0.00	0.00	-0.01	
9	CO17	0.00	0.08	2.37	0.00	0.00	-0.05	
12	CO17	-0.02	0.06	1.19	0.00	0.00	0.05	
14	CO17	2.19	0.03	3.21	0.00	0.00	-0.04	
17	CO17	-3.45	0.03	1.72	0.00	0.00	0.03	
19	CO17	2.12	-0.04	3.09	0.00	0.00	0.05	
22	CO17	-3.02	-0.04	1.66	0.00	0.00	-0.04	
24	CO17	0.00	-0.02	2.37	0.00	0.00	0.01	
27	CO17	-0.01	0.08	1.80	0.00	0.00	0.04	
29	CO17	1.81	0.03	2.96	0.00	0.00	-0.04	
32	CO17	-2.15	0.02	3.21	0.00	0.00	0.04	
34	CO17	1.82	-0.03	2.98	0.00	0.00	0.04	
37	CO17	-1.53	-0.04	3.10	0.00	0.00	-0.05	
39	CO17	0.00	0.00	2.37	0.00	0.00	0.00	
42	CO17	0.01	-0.02	2.27	0.00	0.00	-0.01	
44	CO17	1.88	0.03	3.01	0.00	0.00	-0.04	
47	CO17	-2.60	0.03	2.97	0.00	0.00	0.04	
49	CO17	1.88	-0.03	3.01	0.00	0.00	0.04	
52	CO17	-2.02	-0.03	2.98	0.00	0.00	-0.03	
54	CO17	0.00	0.00	2.37	0.00	0.00	0.00	
57	CO17	0.01	0.00	2.30	0.00	0.00	0.00	
59	CO17	1.86	0.03	2.99	0.00	0.00	-0.04	
62	CO17	-2.49	0.03	3.01	0.00	0.00	0.04	
64	CO17	1.86	-0.03	2.99	0.00	0.00	0.04	
67	CO17	-1.82	-0.03	2.99	0.00	0.00	-0.04	
69	CO17	0.00	0.00	2.37	0.00	0.00	0.00	
72	CO17	0.01	0.00	2.28	0.00	0.00	0.00	
74	CO17	1.90	0.03	3.01	0.00	0.00	-0.04	
77	CO17	-2.59	0.03	3.01	0.00	0.00	0.04	
79	CO17	1.90	-0.03	3.03	0.00	0.00	0.04	
82	CO17	-2.18	-0.03	3.03	0.00	0.00	-0.04	
84	CO17	0.00	-0.01	2.38	0.00	0.00	0.01	
87	CO17	0.00	-0.01	2.35	0.00	0.00	-0.01	
89	CO17	1.70	0.03	2.94	0.00	0.00	-0.03	
92	CO17	-2.25	0.03	2.96	0.00	0.00	0.03	
94	CO17	1.67	-0.04	2.85	0.00	0.00	0.04	
97	CO17	-0.65	-0.04	2.77	0.00	0.00	-0.04	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
99	CO17	0.00	0.06	2.37	0.00	0.00	-0.04	
102	CO17	0.05	0.05	1.91	0.00	0.00	0.03	
104	CO17	2.70	0.06	3.31	0.00	0.00	-0.07	
107	CO17	-1.62	0.05	3.25	0.00	0.00	0.07	
109	CO17	2.95	-0.02	3.71	0.00	0.00	0.04	
112	CO17	-5.01	-0.01	3.67	0.00	0.00	-0.04	
114	CO17	0.00	-0.28	1.22	0.00	0.00	0.17	
117	CO17	-0.02	-0.26	1.40	0.00	0.00	-0.17	
126	CO17	0.00	0.01	0.11	0.00	0.00	-0.01	
127	CO17	0.43	-0.03	9.51	0.00	0.00	0.32	
130	CO17	0.62	0.01	12.23	0.00	0.00	-0.09	
133	CO17	0.57	0.00	11.75	0.00	0.00	0.02	
136	CO17	0.58	0.00	11.84	0.00	0.00	-0.01	
139	CO17	0.59	0.00	11.92	0.00	0.00	0.02	
142	CO17	0.55	0.01	11.49	0.00	0.00	-0.08	
145	CO17	0.72	-0.03	13.22	0.00	0.00	0.30	
148	CO17	0.75	0.10	4.79	0.00	0.00	-0.62	
149	CO17	-0.01	0.01	0.09	0.00	0.00	0.01	
150	CO17	-0.41	-0.03	9.40	0.00	0.00	-0.32	
153	CO17	-0.64	0.01	12.18	0.00	0.00	0.12	
156	CO17	-0.61	-0.01	12.03	0.00	0.00	-0.07	
159	CO17	-0.50	0.02	10.67	0.00	0.00	0.28	
162	CO17	-0.89	-0.06	15.60	0.00	0.00	-1.00	
166	CO17	-0.60	0.09	11.14	0.00	0.00	1.95	
168	CO17	0.00	0.01	-0.04	0.00	0.00	-0.03	
169	CO17	0.81	0.11	4.67	0.00	0.00	-0.84	
170	CO17	0.43	-0.03	9.11	0.00	0.00	0.38	
173	CO17	0.61	0.01	11.70	0.00	0.00	-0.11	
176	CO17	0.56	0.00	11.18	0.00	0.00	0.03	
179	CO17	0.57	0.00	11.29	0.00	0.00	-0.01	
182	CO17	0.58	0.00	11.37	0.00	0.00	0.03	
185	CO17	0.54	0.01	10.91	0.00	0.00	-0.09	
188	CO17	0.71	-0.03	12.77	0.00	0.00	0.37	
191	CO17	-0.01	0.01	-0.05	0.00	0.00	0.03	
192	CO17	-0.68	0.11	4.89	0.00	0.00	0.76	
193	CO17	-0.34	-0.03	9.45	0.00	0.00	-0.31	
196	CO17	-0.43	0.01	12.15	0.00	0.00	0.10	
199	CO17	-0.39	0.00	11.60	0.00	0.00	-0.03	
202	CO17	-0.40	0.00	11.71	0.00	0.00	0.01	
205	CO17	-0.40	0.00	11.80	0.00	0.00	-0.02	
208	CO17	-0.37	0.01	11.31	0.00	0.00	0.09	
211	CO17	-0.51	-0.03	13.28	0.00	0.00	-0.35	
214	CO17	0.01	0.01	-0.05	0.00	0.00	-0.03	
215	CO17	0.68	0.11	4.89	0.00	0.00	-0.76	
216	CO17	0.34	-0.03	9.45	0.00	0.00	0.31	
219	CO17	0.43	0.01	12.15	0.00	0.00	-0.10	
222	CO17	0.39	0.00	11.60	0.00	0.00	0.03	
225	CO17	0.40	0.00	11.71	0.00	0.00	-0.01	
228	CO17	0.40	0.00	11.80	0.00	0.00	0.02	
231	CO17	0.37	0.01	11.31	0.00	0.00	-0.09	
234	CO17	0.51	-0.03	13.28	0.00	0.00	0.35	
237	CO17	0.59	0.01	0.25	0.00	0.00	0.01	
238	CO17	0.05	0.10	4.38	0.00	0.00	0.35	
239	CO17	1.29	-0.03	8.90	0.00	0.00	-0.15	
242	CO17	1.11	0.01	11.43	0.00	0.00	0.05	
245	CO17	1.16	0.00	11.04	0.00	0.00	-0.01	
248	CO17	1.15	0.00	11.11	0.00	0.00	0.01	
251	CO17	1.14	0.00	11.16	0.00	0.00	-0.01	
254	CO17	1.19	0.01	10.85	0.00	0.00	0.04	
257	CO17	1.00	-0.03	12.21	0.00	0.00	-0.18	
260	CO17	-0.59	0.01	0.25	0.00	0.00	-0.01	
261	CO17	-0.05	0.10	4.38	0.00	0.00	-0.35	
262	CO17	-1.29	-0.03	8.90	0.00	0.00	0.15	
265	CO17	-1.11	0.01	11.43	0.00	0.00	-0.05	
268	CO17	-1.16	0.00	11.03	0.00	0.00	0.01	
271	CO17	-1.15	0.00	11.11	0.00	0.00	-0.01	
274	CO17	-1.14	0.00	11.16	0.00	0.00	0.01	
277	CO17	-1.19	0.01	10.85	0.00	0.00	-0.04	
280	CO17	-1.00	-0.03	12.21	0.00	0.00	0.18	
283	CO17	0.00	-0.10	-0.04	0.00	0.00	-0.04	
285	CO17	-0.15	0.02	9.91	0.00	0.00	-0.33	
288	CO17	-0.53	0.00	11.51	0.00	0.00	0.09	
291	CO17	-0.47	0.00	11.38	0.00	0.00	-0.06	
294	CO17	-0.43	-0.01	10.67	0.00	0.00	0.15	
297	CO17	-0.61	0.01	13.44	0.00	0.00	-0.67	
301	CO17	-0.26	0.06	11.19	0.00	0.00	1.34	
326	CO17	0.01	-0.01	0.23	0.00	0.00	-0.03	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
327	CO17		0.34	0.04	7.14	0.00	0.00	0.30	
330	CO17		0.47	-0.01	9.16	0.00	0.00	-0.06	
333	CO17		0.45	0.00	8.88	0.00	0.00	0.02	
336	CO17		0.45	0.00	8.93	0.00	0.00	-0.01	
339	CO17		0.46	0.00	8.96	0.00	0.00	0.01	
342	CO17		0.44	-0.01	8.75	0.00	0.00	-0.05	
345	CO17		0.51	0.04	9.71	0.00	0.00	0.22	
348	CO17		0.58	-0.15	3.45	0.00	0.00	-0.66	
349	CO17		-0.51	-0.01	3.42	0.00	0.00	0.71	
350	CO17		-0.28	-0.01	7.07	0.00	0.00	-0.30	
353	CO17		-0.37	0.00	9.06	0.00	0.00	0.07	
356	CO17		-0.35	0.00	8.78	0.00	0.00	-0.02	
359	CO17		-0.35	0.00	8.83	0.00	0.00	0.01	
362	CO17		-0.36	0.00	8.87	0.00	0.00	-0.01	
365	CO17		-0.34	0.00	8.65	0.00	0.00	0.05	
368	CO17		-0.40	0.00	9.62	0.00	0.00	-0.23	
372	CO17		0.00	0.00	0.22	0.00	0.00	0.04	
373	CO17		0.51	-0.01	3.42	0.00	0.00	-0.70	
374	CO17		0.28	0.00	7.07	0.00	0.00	0.29	
377	CO17		0.37	-0.04	9.06	0.00	0.00	-0.04	
380	CO17		0.35	0.01	8.78	0.00	0.00	0.01	
383	CO17		0.35	0.00	8.83	0.00	0.00	-0.01	
386	CO17		0.36	0.00	8.87	0.00	0.00	0.01	
389	CO17		0.34	0.00	8.65	0.00	0.00	-0.05	
392	CO17		0.40	0.00	9.62	0.00	0.00	0.23	
396	CO17		0.00	0.00	0.22	0.00	0.00	-0.03	
397	CO17		-1.63	-0.08	2.56	0.00	0.00	0.52	
401	CO17		-0.51	0.05	3.17	0.00	0.00	-0.50	
404	CO17		0.21	0.00	9.68	0.00	0.00	0.14	
407	CO17		0.09	0.00	8.87	0.00	0.00	-0.02	
410	CO17		0.37	0.00	9.09	0.00	0.00	0.01	
413	CO17		-0.70	0.02	8.62	0.00	0.00	0.01	
416	CO17		0.05	0.00	11.54	0.00	0.00	-0.13	
Total max/min values with corresponding values									
109	CO17	P _x	2.95	-0.02	3.71	0.00	0.00	0.04	
112			-5.01	-0.01	3.67	0.00	0.00	-0.04	
192		P _y	-0.68	0.11	4.89	0.00	0.00	0.76	
114			0.00	-0.28	1.22	0.00	0.00	0.17	
162		P _z	-0.89	-0.06	15.60	0.00	0.00	-1.00	
191			-0.01	0.01	-0.05	0.00	0.00	0.03	
1		M _x	0.00	-0.03	1.24	0.00	0.00	0.02	
1			0.00	-0.03	1.24	0.00	0.00	0.02	
1		M _y	0.00	-0.03	1.24	0.00	0.00	0.02	
1			0.00	-0.03	1.24	0.00	0.00	0.02	
166		M _z	-0.60	0.09	11.14	0.00	0.00	1.95	
162			-0.89	-0.06	15.60	0.00	0.00	-1.00	
Sum of loads and sum of support forces									
Σ	CO17		P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ			0.00	0.00	1010.35	Support Forces			
Σ			0.00	0.00	1010.35				
1	CO18		0.00	-0.02	0.79	0.00	0.00	0.01	
6	CO18		-0.01	-0.01	0.39	0.00	0.00	-0.01	
9	CO18		0.00	0.05	1.49	0.00	0.00	-0.03	
12	CO18		-0.02	0.04	0.75	0.00	0.00	0.03	
14	CO18		1.19	0.02	2.01	0.00	0.00	-0.02	
17	CO18		-1.93	0.02	1.07	0.00	0.00	0.02	
19	CO18		1.16	-0.03	1.94	0.00	0.00	0.03	
22	CO18		-1.68	-0.02	1.03	0.00	0.00	-0.03	
24	CO18		0.00	-0.01	1.49	0.00	0.00	0.01	
27	CO18		-0.01	0.06	1.14	0.00	0.00	0.02	
29	CO18		0.99	0.02	1.85	0.00	0.00	-0.02	
32	CO18		-1.17	0.02	2.02	0.00	0.00	0.02	
34	CO18		1.00	-0.02	1.87	0.00	0.00	0.02	
37	CO18		-0.84	-0.02	1.94	0.00	0.00	-0.03	
39	CO18		0.00	0.00	1.49	0.00	0.00	0.00	
42	CO18		0.01	-0.01	1.43	0.00	0.00	0.00	
44	CO18		1.03	0.02	1.88	0.00	0.00	-0.02	
47	CO18		-1.45	0.02	1.86	0.00	0.00	0.02	
49	CO18		1.03	-0.02	1.88	0.00	0.00	0.02	
52	CO18		-1.11	-0.02	1.86	0.00	0.00	-0.02	
54	CO18		0.00	0.00	1.49	0.00	0.00	0.00	
57	CO18		0.00	0.00	1.45	0.00	0.00	0.00	
59	CO18		1.02	0.02	1.87	0.00	0.00	-0.02	
62	CO18		-1.39	0.02	1.89	0.00	0.00	0.02	
64	CO18		1.02	-0.02	1.87	0.00	0.00	0.02	



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NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
67	CO18	-1.00	-0.02	1.87	0.00	0.00	-0.02	
69	CO18	0.00	0.00	1.49	0.00	0.00	0.00	
72	CO18	0.01	0.00	1.43	0.00	0.00	0.00	
74	CO18	1.04	0.02	1.88	0.00	0.00	-0.02	
77	CO18	-1.44	0.02	1.88	0.00	0.00	0.02	
79	CO18	1.04	-0.02	1.90	0.00	0.00	0.02	
82	CO18	-1.20	-0.02	1.90	0.00	0.00	-0.02	
84	CO18	0.00	-0.01	1.49	0.00	0.00	0.01	
87	CO18	0.00	-0.01	1.48	0.00	0.00	0.00	
89	CO18	0.94	0.02	1.84	0.00	0.00	-0.02	
92	CO18	-1.26	0.02	1.85	0.00	0.00	0.02	
94	CO18	0.93	-0.02	1.79	0.00	0.00	0.02	
97	CO18	-0.35	-0.02	1.74	0.00	0.00	-0.02	
99	CO18	0.00	0.04	1.49	0.00	0.00	-0.02	
102	CO18	0.03	0.03	1.22	0.00	0.00	0.02	
104	CO18	1.46	0.04	2.07	0.00	0.00	-0.04	
107	CO18	-0.87	0.03	2.03	0.00	0.00	0.04	
109	CO18	1.58	-0.01	2.31	0.00	0.00	0.02	
112	CO18	-2.78	-0.01	2.29	0.00	0.00	-0.02	
114	CO18	0.00	-0.18	0.78	0.00	0.00	0.11	
117	CO18	-0.01	-0.17	0.88	0.00	0.00	-0.11	
126	CO18	0.00	0.01	0.09	0.00	0.00	-0.01	
127	CO18	0.23	-0.02	5.19	0.00	0.00	0.17	
130	CO18	0.34	0.00	6.67	0.00	0.00	-0.05	
133	CO18	0.31	0.00	6.41	0.00	0.00	0.01	
136	CO18	0.31	0.00	6.46	0.00	0.00	-0.01	
139	CO18	0.32	0.00	6.50	0.00	0.00	0.01	
142	CO18	0.30	0.00	6.27	0.00	0.00	-0.04	
145	CO18	0.39	-0.02	7.21	0.00	0.00	0.16	
148	CO18	0.40	0.06	2.64	0.00	0.00	-0.34	
149	CO18	0.00	0.00	0.07	0.00	0.00	0.01	
150	CO18	-0.22	-0.02	5.11	0.00	0.00	-0.18	
153	CO18	-0.34	0.01	6.64	0.00	0.00	0.07	
156	CO18	-0.33	0.00	6.56	0.00	0.00	-0.04	
159	CO18	-0.27	0.01	5.81	0.00	0.00	0.15	
162	CO18	-0.48	-0.04	8.52	0.00	0.00	-0.55	
166	CO18	-0.32	0.05	6.10	0.00	0.00	1.06	
168	CO18	0.00	0.01	-0.02	0.00	0.00	-0.02	
169	CO18	0.48	0.07	2.77	0.00	0.00	-0.50	
170	CO18	0.25	-0.02	5.35	0.00	0.00	0.22	
173	CO18	0.36	0.00	6.87	0.00	0.00	-0.06	
176	CO18	0.33	0.00	6.56	0.00	0.00	0.02	
179	CO18	0.34	0.00	6.62	0.00	0.00	-0.01	
182	CO18	0.34	0.00	6.67	0.00	0.00	0.02	
185	CO18	0.32	0.00	6.39	0.00	0.00	-0.06	
188	CO18	0.42	-0.02	7.51	0.00	0.00	0.22	
191	CO18	0.00	0.01	-0.02	0.00	0.00	0.02	
192	CO18	-0.41	0.08	2.89	0.00	0.00	0.46	
193	CO18	-0.20	-0.02	5.54	0.00	0.00	-0.19	
196	CO18	-0.26	0.01	7.12	0.00	0.00	0.06	
199	CO18	-0.23	0.00	6.79	0.00	0.00	-0.02	
202	CO18	-0.24	0.00	6.86	0.00	0.00	0.01	
205	CO18	-0.24	0.00	6.91	0.00	0.00	-0.01	
208	CO18	-0.22	0.00	6.61	0.00	0.00	0.06	
211	CO18	-0.31	-0.02	7.79	0.00	0.00	-0.21	
214	CO18	0.00	0.01	-0.02	0.00	0.00	-0.02	
215	CO18	0.41	0.08	2.89	0.00	0.00	-0.46	
216	CO18	0.20	-0.02	5.54	0.00	0.00	0.19	
219	CO18	0.26	0.00	7.12	0.00	0.00	-0.06	
222	CO18	0.23	0.00	6.79	0.00	0.00	0.02	
225	CO18	0.24	0.00	6.86	0.00	0.00	-0.01	
228	CO18	0.24	0.00	6.91	0.00	0.00	0.01	
231	CO18	0.22	0.00	6.61	0.00	0.00	-0.06	
234	CO18	0.31	-0.02	7.79	0.00	0.00	0.21	
237	CO18	0.35	0.01	0.16	0.00	0.00	0.01	
238	CO18	0.06	0.06	2.41	0.00	0.00	0.19	
239	CO18	0.73	-0.02	4.86	0.00	0.00	-0.08	
242	CO18	0.64	0.01	6.23	0.00	0.00	0.03	
245	CO18	0.67	0.00	6.01	0.00	0.00	-0.01	
248	CO18	0.67	0.00	6.05	0.00	0.00	0.00	
251	CO18	0.66	0.00	6.08	0.00	0.00	-0.01	
254	CO18	0.69	0.00	5.91	0.00	0.00	0.02	
257	CO18	0.58	-0.02	6.66	0.00	0.00	-0.10	
260	CO18	-0.35	0.01	0.16	0.00	0.00	-0.01	
261	CO18	-0.06	0.06	2.41	0.00	0.00	-0.19	
262	CO18	-0.73	-0.02	4.86	0.00	0.00	0.08	
265	CO18	-0.64	0.00	6.23	0.00	0.00	-0.03	



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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.		Support Forces			Support Moments			Node Comment Cor. Loading
			P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
268	STR CO18		-0.67	0.00	6.01	0.00	0.00	0.01	
271	STR CO18		-0.67	0.00	6.05	0.00	0.00	0.00	
274	STR CO18		-0.66	0.00	6.08	0.00	0.00	0.01	
277	STR CO18		-0.69	0.00	5.91	0.00	0.00	-0.02	
280	STR CO18		-0.58	-0.02	6.66	0.00	0.00	0.10	
283	STR CO18		0.00	-0.06	-0.02	0.00	0.00	-0.03	
285	STR CO18		-0.07	0.01	5.87	0.00	0.00	-0.20	
288	STR CO18		-0.30	0.00	6.75	0.00	0.00	0.05	
291	STR CO18		-0.27	0.00	6.67	0.00	0.00	-0.03	
294	STR CO18		-0.24	0.00	6.27	0.00	0.00	0.09	
297	STR CO18		-0.35	0.01	7.86	0.00	0.00	-0.39	
301	STR CO18		-0.14	0.04	6.62	0.00	0.00	0.77	
326	STR CO18		0.01	-0.01	0.18	0.00	0.00	-0.02	
327	STR CO18		0.22	0.03	4.64	0.00	0.00	0.19	
330	STR CO18		0.31	-0.01	5.95	0.00	0.00	-0.04	
333	STR CO18		0.30	0.00	5.77	0.00	0.00	0.01	
336	STR CO18		0.30	0.00	5.80	0.00	0.00	0.00	
339	STR CO18		0.30	0.00	5.83	0.00	0.00	0.01	
342	STR CO18		0.29	-0.01	5.70	0.00	0.00	-0.03	
345	STR CO18		0.34	0.03	6.30	0.00	0.00	0.14	
348	STR CO18		0.38	-0.09	2.25	0.00	0.00	-0.42	
349	STR CO18		-0.34	0.00	2.24	0.00	0.00	0.46	
350	STR CO18		-0.19	-0.01	4.60	0.00	0.00	-0.19	
353	STR CO18		-0.25	0.00	5.90	0.00	0.00	0.04	
356	STR CO18		-0.24	0.00	5.72	0.00	0.00	-0.01	
359	STR CO18		-0.24	0.00	5.75	0.00	0.00	0.00	
362	STR CO18		-0.24	0.00	5.78	0.00	0.00	-0.01	
365	STR CO18		-0.24	0.00	5.64	0.00	0.00	0.03	
368	STR CO18		-0.27	0.00	6.25	0.00	0.00	-0.14	
372	STR CO18		0.00	0.00	0.17	0.00	0.00	0.02	
373	STR CO18		0.34	0.00	2.24	0.00	0.00	-0.45	
374	STR CO18		0.19	0.00	4.60	0.00	0.00	0.19	
377	STR CO18		0.25	-0.03	5.90	0.00	0.00	-0.02	
380	STR CO18		0.24	0.01	5.72	0.00	0.00	0.01	
383	STR CO18		0.24	0.00	5.75	0.00	0.00	0.00	
386	STR CO18		0.24	0.00	5.78	0.00	0.00	0.01	
389	STR CO18		0.24	0.00	5.64	0.00	0.00	-0.03	
392	STR CO18		0.27	0.00	6.25	0.00	0.00	0.14	
396	STR CO18		0.00	0.00	0.17	0.00	0.00	-0.02	
397	STR CO18		-0.94	-0.05	1.74	0.00	0.00	0.34	
401	STR CO18		-0.33	0.03	2.08	0.00	0.00	-0.33	
404	STR CO18		0.08	0.00	6.28	0.00	0.00	0.09	
407	STR CO18		0.01	0.00	5.76	0.00	0.00	-0.01	
410	STR CO18		0.16	0.00	5.90	0.00	0.00	0.01	
413	STR CO18		-0.43	0.01	5.62	0.00	0.00	0.01	
416	STR CO18		-0.02	0.00	7.37	0.00	0.00	-0.09	
Total max/min values with corresponding values									
109	STR CO18	P _x	1.58	-0.01	2.31	0.00	0.00	0.02	
112			-2.78	-0.01	2.29	0.00	0.00	-0.02	
192		P _y	-0.41	0.08	2.89	0.00	0.00	0.46	
114			0.00	-0.18	0.78	0.00	0.00	0.11	
162		P _z	-0.48	-0.04	8.52	0.00	0.00	-0.55	
191			0.00	0.01	-0.02	0.00	0.00	0.02	
1		M _k	0.00	-0.02	0.79	0.00	0.00	0.01	
1			0.00	-0.02	0.79	0.00	0.00	0.01	
1		M _y	0.00	-0.02	0.79	0.00	0.00	0.01	
1			0.00	-0.02	0.79	0.00	0.00	0.01	
166		M _z	-0.32	0.05	6.10	0.00	0.00	1.06	
162			-0.48	-0.04	8.52	0.00	0.00	-0.55	
Sum of loads and sum of support forces									
Σ	STR CO18		P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ			0.00	0.00	600.28	Support Forces			
Σ			0.00	0.00	600.28				
1	SC9 CO19		0.00	-0.02	0.88	0.00	0.00	0.01	
6	SC9 CO19		-0.01	-0.01	0.44	0.00	0.00	-0.01	
9	SC9 CO19		0.00	0.06	1.67	0.00	0.00	-0.04	
12	SC9 CO19		-0.02	0.04	0.84	0.00	0.00	0.03	
14	SC9 CO19		1.55	0.02	2.27	0.00	0.00	-0.03	
17	SC9 CO19		-2.45	0.02	1.21	0.00	0.00	0.02	
19	SC9 CO19		1.50	-0.03	2.18	0.00	0.00	0.03	
22	SC9 CO19		-2.14	-0.03	1.17	0.00	0.00	-0.03	
24	SC9 CO19		0.00	-0.01	1.67	0.00	0.00	0.01	
27	SC9 CO19		-0.01	0.06	1.27	0.00	0.00	0.03	
29	SC9 CO19		1.28	0.02	2.08	0.00	0.00	-0.03	
32	SC9 CO19		-1.52	0.02	2.27	0.00	0.00	0.03	

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
34	CO19	1.28	-0.02	2.10	0.00	0.00	0.02	
37	CO19	-1.08	-0.03	2.18	0.00	0.00	-0.03	
39	CO19	0.00	0.00	1.67	0.00	0.00	0.00	
42	CO19	0.01	-0.01	1.59	0.00	0.00	0.00	
44	CO19	1.33	0.02	2.12	0.00	0.00	-0.03	
47	CO19	-1.84	0.02	2.09	0.00	0.00	0.03	
49	CO19	1.33	-0.02	2.12	0.00	0.00	0.03	
52	CO19	-1.43	-0.02	2.10	0.00	0.00	-0.02	
54	CO19	0.00	0.00	1.67	0.00	0.00	0.00	
57	CO19	0.01	0.00	1.62	0.00	0.00	0.00	
59	CO19	1.31	0.02	2.11	0.00	0.00	-0.03	
62	CO19	-1.77	0.02	2.12	0.00	0.00	0.03	
64	CO19	1.31	-0.02	2.11	0.00	0.00	0.03	
67	CO19	-1.29	-0.02	2.10	0.00	0.00	-0.03	
69	CO19	0.00	0.00	1.67	0.00	0.00	0.00	
72	CO19	0.01	0.00	1.60	0.00	0.00	0.00	
74	CO19	1.34	0.02	2.12	0.00	0.00	-0.03	
77	CO19	-1.83	0.02	2.12	0.00	0.00	0.03	
79	CO19	1.35	-0.02	2.14	0.00	0.00	0.03	
82	CO19	-1.54	-0.02	2.14	0.00	0.00	-0.03	
84	CO19	0.00	-0.01	1.67	0.00	0.00	0.01	
87	CO19	0.00	-0.01	1.65	0.00	0.00	0.00	
89	CO19	1.20	0.02	2.07	0.00	0.00	-0.02	
92	CO19	-1.60	0.02	2.09	0.00	0.00	0.02	
94	CO19	1.18	-0.03	2.01	0.00	0.00	0.03	
97	CO19	-0.46	-0.03	1.95	0.00	0.00	-0.03	
99	CO19	0.00	0.04	1.67	0.00	0.00	-0.03	
102	CO19	0.03	0.04	1.34	0.00	0.00	0.02	
104	CO19	1.92	0.04	2.33	0.00	0.00	-0.05	
107	CO19	-1.15	0.04	2.29	0.00	0.00	0.05	
109	CO19	2.09	-0.01	2.62	0.00	0.00	0.03	
112	CO19	-3.55	-0.01	2.59	0.00	0.00	-0.03	
114	CO19	0.00	-0.20	0.87	0.00	0.00	0.12	
117	CO19	-0.01	-0.19	0.99	0.00	0.00	-0.12	
126	CO19	0.00	0.01	0.09	0.00	0.00	-0.01	
127	CO19	0.30	-0.02	6.76	0.00	0.00	0.22	
130	CO19	0.44	0.01	8.69	0.00	0.00	-0.06	
133	CO19	0.41	0.00	8.34	0.00	0.00	0.02	
136	CO19	0.41	0.00	8.41	0.00	0.00	-0.01	
139	CO19	0.42	0.00	8.47	0.00	0.00	0.01	
142	CO19	0.39	0.01	8.16	0.00	0.00	-0.05	
145	CO19	0.51	-0.02	9.39	0.00	0.00	0.21	
148	CO19	0.53	0.07	3.42	0.00	0.00	-0.44	
149	CO19	0.00	0.01	0.08	0.00	0.00	0.01	
150	CO19	-0.29	-0.02	6.68	0.00	0.00	-0.23	
153	CO19	-0.45	0.01	8.65	0.00	0.00	0.08	
156	CO19	-0.44	0.00	8.54	0.00	0.00	-0.05	
159	CO19	-0.36	0.01	7.58	0.00	0.00	0.20	
162	CO19	-0.63	-0.05	11.07	0.00	0.00	-0.71	
166	CO19	-0.43	0.07	7.93	0.00	0.00	1.38	
168	CO19	0.00	0.01	-0.01	0.00	0.00	-0.02	
169	CO19	0.58	0.08	3.34	0.00	0.00	-0.60	
170	CO19	0.31	-0.02	6.48	0.00	0.00	0.27	
173	CO19	0.43	0.01	8.32	0.00	0.00	-0.08	
176	CO19	0.40	0.00	7.95	0.00	0.00	0.02	
179	CO19	0.41	0.00	8.02	0.00	0.00	-0.01	
182	CO19	0.41	0.00	8.08	0.00	0.00	0.02	
185	CO19	0.38	0.00	7.75	0.00	0.00	-0.07	
188	CO19	0.51	-0.02	9.08	0.00	0.00	0.26	
191	CO19	-0.01	0.01	-0.02	0.00	0.00	0.02	
192	CO19	-0.48	0.08	3.49	0.00	0.00	0.54	
193	CO19	-0.24	-0.02	6.72	0.00	0.00	-0.22	
196	CO19	-0.30	0.01	8.64	0.00	0.00	0.07	
199	CO19	-0.28	0.00	8.24	0.00	0.00	-0.02	
202	CO19	-0.28	0.00	8.32	0.00	0.00	0.01	
205	CO19	-0.29	0.00	8.39	0.00	0.00	-0.02	
208	CO19	-0.26	0.00	8.04	0.00	0.00	0.07	
211	CO19	-0.36	-0.02	9.44	0.00	0.00	-0.25	
214	CO19	0.01	0.01	-0.02	0.00	0.00	-0.02	
215	CO19	0.48	0.08	3.49	0.00	0.00	-0.54	
216	CO19	0.24	-0.02	6.72	0.00	0.00	0.22	
219	CO19	0.30	0.01	8.64	0.00	0.00	-0.07	
222	CO19	0.28	0.00	8.25	0.00	0.00	0.02	
225	CO19	0.28	0.00	8.32	0.00	0.00	-0.01	
228	CO19	0.29	0.00	8.39	0.00	0.00	0.02	
231	CO19	0.26	0.00	8.04	0.00	0.00	-0.06	
234	CO19	0.36	-0.02	9.44	0.00	0.00	0.25	



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RESULTS

9.2

NODES - SUPPORT FORCES

Static Analysis

Node No.	Loading No.	Support Forces			Support Moments			Node Comment Cor. Loading
		P _x [kN]	P _y [kN]	P _z [kN]	M _x [kNm]	M _y [kNm]	M _z [kNm]	
237	CO19	0.43	0.01	0.19	0.00	0.00	0.01	
238	CO19	0.04	0.07	3.13	0.00	0.00	0.25	
239	CO19	0.90	-0.02	6.33	0.00	0.00	-0.10	
242	CO19	0.78	0.01	8.12	0.00	0.00	0.04	
245	CO19	0.81	0.00	7.84	0.00	0.00	-0.01	
248	CO19	0.81	0.00	7.89	0.00	0.00	0.00	
251	CO19	0.80	0.00	7.93	0.00	0.00	-0.01	
254	CO19	0.84	0.01	7.71	0.00	0.00	0.03	
257	CO19	0.70	-0.02	8.67	0.00	0.00	-0.13	
260	CO19	-0.43	0.01	0.19	0.00	0.00	-0.01	
261	CO19	-0.04	0.07	3.13	0.00	0.00	-0.25	
262	CO19	-0.90	-0.02	6.33	0.00	0.00	0.10	
265	CO19	-0.78	0.01	8.12	0.00	0.00	-0.04	
268	CO19	-0.81	0.00	7.84	0.00	0.00	0.01	
271	CO19	-0.81	0.00	7.89	0.00	0.00	0.00	
274	CO19	-0.80	0.00	7.93	0.00	0.00	0.01	
277	CO19	-0.84	0.01	7.71	0.00	0.00	-0.03	
280	CO19	-0.70	-0.02	8.67	0.00	0.00	0.13	
283	CO19	0.00	-0.07	-0.01	0.00	0.00	-0.03	
285	CO19	-0.11	0.01	7.04	0.00	0.00	-0.24	
288	CO19	-0.37	0.00	8.18	0.00	0.00	0.06	
291	CO19	-0.34	0.00	8.09	0.00	0.00	-0.04	
294	CO19	-0.30	0.00	7.59	0.00	0.00	0.11	
297	CO19	-0.44	0.01	9.55	0.00	0.00	-0.48	
301	CO19	-0.19	0.04	7.97	0.00	0.00	0.94	
326	CO19	0.00	-0.01	0.17	0.00	0.00	-0.02	
327	CO19	0.24	0.03	5.07	0.00	0.00	0.21	
330	CO19	0.33	-0.01	6.50	0.00	0.00	-0.05	
333	CO19	0.32	0.00	6.30	0.00	0.00	0.01	
336	CO19	0.32	0.00	6.34	0.00	0.00	0.00	
339	CO19	0.32	0.00	6.36	0.00	0.00	0.01	
342	CO19	0.31	-0.01	6.21	0.00	0.00	-0.04	
345	CO19	0.36	0.03	6.89	0.00	0.00	0.16	
348	CO19	0.41	-0.11	2.46	0.00	0.00	-0.47	
349	CO19	-0.36	0.00	2.44	0.00	0.00	0.50	
350	CO19	-0.20	0.00	5.02	0.00	0.00	-0.21	
353	CO19	-0.26	0.00	6.43	0.00	0.00	0.05	
356	CO19	-0.25	0.00	6.23	0.00	0.00	-0.01	
359	CO19	-0.25	0.00	6.27	0.00	0.00	0.00	
362	CO19	-0.25	0.00	6.30	0.00	0.00	-0.01	
365	CO19	-0.24	0.00	6.14	0.00	0.00	0.04	
368	CO19	-0.28	0.00	6.83	0.00	0.00	-0.16	
372	CO19	0.00	0.00	0.17	0.00	0.00	0.02	
373	CO19	0.36	-0.01	2.44	0.00	0.00	-0.50	
374	CO19	0.20	0.00	5.02	0.00	0.00	0.21	
377	CO19	0.26	-0.03	6.43	0.00	0.00	-0.03	
380	CO19	0.25	0.01	6.23	0.00	0.00	0.01	
383	CO19	0.25	0.00	6.27	0.00	0.00	0.00	
386	CO19	0.25	0.00	6.30	0.00	0.00	0.01	
389	CO19	0.24	0.00	6.14	0.00	0.00	-0.04	
392	CO19	0.28	0.00	6.83	0.00	0.00	0.16	
396	CO19	0.00	0.00	0.17	0.00	0.00	-0.02	
397	CO19	-1.15	-0.06	1.84	0.00	0.00	0.37	
401	CO19	-0.36	0.04	2.26	0.00	0.00	-0.36	
404	CO19	0.15	0.00	6.87	0.00	0.00	0.10	
407	CO19	0.07	0.00	6.30	0.00	0.00	-0.01	
410	CO19	0.26	0.00	6.45	0.00	0.00	0.01	
413	CO19	-0.49	0.01	6.12	0.00	0.00	0.01	
416	CO19	0.04	0.00	8.19	0.00	0.00	-0.10	
Total max/min values with corresponding values								
109	CO19	P _x	2.09	-0.01	2.62	0.00	0.00	0.03
112			-3.55	-0.01	2.59	0.00	0.00	-0.03
192		P _y	-0.48	0.08	3.49	0.00	0.00	0.54
114			0.00	-0.20	0.87	0.00	0.00	0.12
162		P _z	-0.63	-0.05	11.07	0.00	0.00	-0.71
191			-0.01	0.01	-0.02	0.00	0.00	0.02
1		M _x	0.00	-0.02	0.88	0.00	0.00	0.01
1			0.00	-0.02	0.88	0.00	0.00	0.01
1		M _y	0.00	-0.02	0.88	0.00	0.00	0.01
1			0.00	-0.02	0.88	0.00	0.00	0.01
166		M _z	-0.43	0.07	7.93	0.00	0.00	1.38
162			-0.63	-0.05	11.07	0.00	0.00	-0.71
Sum of loads and sum of support forces								
	CO19							
Σ		P _x [kN]	P _y [kN]	P _z [kN]	Loads			
Σ		0.00	0.00	717.36	Support Forces			
Σ		0.00	0.00	717.36				

RESULTS

9.3

MEMBERS - INTERNAL FORCES BY SECTION

Static Analysis

Section No.	Member No.	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Member Comment
					N	V _y	V _z	M _T	M _y	M _z	Cor. Loading
LC1 - Self-weight											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	0.04	0.00	0.05	0.00	-0.02	0.00	
3	83	112	0.000		-0.28	0.00	0.05	0.00	0.00	0.00	
4	211	165	0.000	V _y	0.00	0.06	-0.24	0.00	0.13	0.01	
4	208	162	0.000		0.00	-0.05	0.39	0.00	-0.26	-0.04	
4	208	162	0.000	V _z	0.00	-0.05	0.39	0.00	-0.26	-0.04	
4	211	166	1.030		0.00	0.06	-0.34	0.00	-0.17	-0.05	
4	193	300	0.000	M _T	0.00	0.04	-0.20	0.01	0.10	0.01	
4	190	297	0.000		0.00	-0.04	0.32	-0.01	-0.21	-0.03	
4	209	164	1.030	M _y	0.00	-0.01	0.08	0.00	0.22	0.02	
4	208	162	0.000		0.00	-0.05	0.39	0.00	-0.26	-0.04	
4	132	169	1.030	M _z	0.00	-0.04	-0.20	0.00	0.00	0.03	
4	211	166	1.030		0.00	0.06	-0.34	0.00	-0.17	-0.05	
LC2 - kritina											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	0.82	0.05	0.56	0.01	-0.29	0.01	
3	83	112	0.000		-3.66	-0.02	0.96	0.00	0.00	-0.02	
4	211	165	0.000	V _y	-0.01	0.90	-3.12	0.01	2.10	0.24	
4	208	162	0.000		0.00	-0.67	4.73	-0.01	-3.42	-0.56	
4	208	162	0.000	V _z	0.00	-0.67	4.73	-0.01	-3.42	-0.56	
4	211	166	1.030		-0.01	0.90	-3.72	0.01	-1.42	-0.69	
4	193	300	0.000	M _T	0.00	0.61	-2.55	0.10	1.48	0.16	
4	190	297	0.000		0.00	-0.45	3.66	-0.07	-2.64	-0.38	
4	209	164	1.030	M _y	0.01	-0.15	1.53	0.00	3.02	0.27	
4	208	162	0.000		0.00	-0.67	4.73	-0.01	-3.42	-0.56	
4	212	166	0.000	M _z	0.03	0.51	1.65	0.04	-1.40	0.49	
4	211	166	1.030		-0.01	0.90	-3.72	0.01	-1.42	-0.69	
Qs LC3 - sneg											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	1.82	0.11	1.23	0.02	-0.63	0.03	
3	83	112	0.000		-8.06	-0.03	2.12	0.00	0.00	-0.05	
4	211	165	0.000	V _y	-0.02	1.99	-6.88	0.02	4.62	0.53	
4	208	162	0.000		0.00	-1.47	10.42	-0.02	-7.54	-1.23	
4	208	162	0.000	V _z	0.00	-1.47	10.42	-0.02	-7.54	-1.23	
4	211	166	1.030		-0.02	1.99	-8.20	0.02	-3.14	-1.52	
4	193	300	0.000	M _T	0.00	1.34	-5.62	0.22	3.25	0.36	
4	190	297	0.000		0.01	-0.99	8.07	-0.16	-5.82	-0.83	
4	209	164	1.030	M _y	0.01	-0.34	3.37	0.00	6.64	0.60	
4	208	162	0.000		0.00	-1.47	10.42	-0.02	-7.54	-1.23	
4	212	166	0.000	M _z	0.06	1.12	3.64	0.09	-3.08	1.07	
4	211	166	1.030		-0.02	1.99	-8.20	0.02	-3.14	-1.52	
Cw LC4 - veter											
Total max/min values with corresponding values											
3	83	112	0.000	N	4.06	0.01	-0.47	0.00	0.00	0.01	
3	88	284	3.400 1/2		-0.93	-0.02	-0.44	0.00	0.28	0.00	
4	208	162	0.000	V _y	0.00	0.82	-5.83	0.03	4.22	0.69	
4	211	165	0.000		0.01	-1.11	3.88	-0.04	-2.56	-0.30	
4	211	166	1.030	V _z	0.01	-1.11	4.62	-0.04	1.81	0.85	
4	208	162	0.000		0.00	0.82	-5.83	0.03	4.22	0.69	
4	190	297	0.000	M _T	0.00	0.44	-3.54	0.08	2.58	0.37	
4	193	300	0.000		0.00	-0.58	2.46	-0.10	-1.41	-0.15	
4	208	162	0.000	M _y	0.00	0.82	-5.83	0.03	4.22	0.69	
4	209	164	1.030		-0.01	0.18	-1.85	0.02	-3.68	-0.33	
4	211	166	1.030	M _z	0.01	-1.11	4.62	-0.04	1.81	0.85	
4	212	166	0.000		-0.03	-0.60	-2.09	-0.05	1.78	-0.58	
DS1 - ULS (STR/GEO) - Permanent and transient - Eq. 6.10											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	3.91	0.26	2.67	0.04	-1.36	0.08	CO2
3	83	112	0.000		-16.99	-0.04	4.67	0.01	0.00	-0.11	CO2
4	211	165	0.000	V _y	0.28	4.32	-14.86	0.05	9.95	1.17	CO2
4	208	163	1.030		0.44	-3.19	19.61	-0.05	5.42	0.61	CO2
4	208	162	0.000	V _z	0.28	-3.17	22.54	-0.08	-16.29	-2.66	CO2
4	211	166	1.030		0.40	4.31	-17.79	0.13	-6.87	-3.28	CO2
4	193	301	1.030	M _T	0.24	2.84	-15.11	0.51	-7.04	-2.16	CO2
4	190	297	0.000		0.15	-2.16	17.50	-0.37	-12.60	-1.80	CO2
4	209	164	1.030	M _y	0.05	-0.74	7.24	-0.01	14.34	1.32	CO2
4	208	162	0.000		0.28	-3.17	22.54	-0.08	-16.29	-2.66	CO2
4	212	166	0.000	M _z	-0.07	2.38	7.98	0.14	-6.76	2.29	CO2
4	211	166	1.030		0.40	4.31	-17.79	0.13	-6.87	-3.28	CO2
SCh DS2 - SLS - Characteristic											
Total max/min values with corresponding values											

RESULTS

9.3

MEMBERS - INTERNAL FORCES BY SECTION

Static Analysis

Section No.	Member No.	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Member Comment
					N	V _y	V _z	M _T	M _y	M _z	Cor. Loading
3	88	284	3.400 1/2	N	2.68	0.16	1.84	0.03	-0.94	0.05	CO7
3	83	112	0.000		-12.00	-0.05	3.14	0.01	0.00	-0.08	CO7
4	211	165	0.000	V _y	-0.03	2.95	-10.24	0.03	6.85	0.79	CO7
4	208	162	0.000		-0.01	-2.18	15.53	-0.04	-11.22	-1.83	CO7
4	208	162	0.000	V _z	-0.01	-2.18	15.53	-0.04	-11.22	-1.83	CO7
4	211	166	1.030		-0.03	2.95	-12.26	0.03	-4.74	-2.25	CO7
4	193	300	0.000	M _T	0.00	1.99	-8.38	0.33	4.82	0.54	CO7
4	190	297	0.000		0.02	-1.48	12.05	-0.24	-8.68	-1.23	CO7
4	209	164	1.030	M _y	0.02	-0.51	4.98	0.00	9.88	0.90	CO7
4	208	162	0.000		-0.01	-2.18	15.53	-0.04	-11.22	-1.83	CO7
4	212	166	0.000	M _z	0.09	1.65	5.50	0.13	-4.65	1.58	CO7
4	211	166	1.030		-0.03	2.95	-12.26	0.03	-4.74	-2.25	CO7
DS3 - SLS - Quasi-permanent											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	3.19	0.19	2.20	0.04	-1.12	0.06	CO12
3	83	112	0.000		-14.36	-0.06	3.74	0.01	0.00	-0.09	CO12
4	211	165	0.000	V _y	-0.04	3.53	-12.26	0.04	8.19	0.94	CO12
4	208	162	0.000		-0.01	-2.61	18.60	-0.04	-13.44	-2.19	CO12
4	208	162	0.000	V _z	-0.01	-2.61	18.60	-0.04	-13.44	-2.19	CO12
4	211	166	1.030		-0.04	3.53	-14.70	0.04	-5.69	-2.69	CO12
4	193	300	0.000	M _T	0.01	2.37	-10.03	0.39	5.77	0.64	CO12
4	190	297	0.000		0.02	-1.77	14.44	-0.29	-10.39	-1.47	CO12
4	209	164	1.030	M _y	0.03	-0.61	5.95	0.00	11.82	1.07	CO12
4	208	162	0.000		-0.01	-2.61	18.60	-0.04	-13.44	-2.19	CO12
4	212	166	0.000	M _z	0.10	1.97	6.62	0.16	-5.60	1.89	CO12
4	211	166	1.030		-0.04	3.53	-14.70	0.04	-5.69	-2.69	CO12
DS4 - SLS - Frequent base											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	1.22	0.07	0.85	0.01	-0.43	0.02	CO17
3	83	112	0.000		-5.55	-0.02	1.44	0.00	0.00	-0.04	CO17
4	211	165	0.000	V _y	-0.02	1.36	-4.74	0.02	3.15	0.36	CO17
4	208	162	0.000		0.00	-1.01	7.20	-0.02	-5.19	-0.85	CO17
4	208	162	0.000	V _z	0.00	-1.01	7.20	-0.02	-5.19	-0.85	CO17
4	211	166	1.030		-0.02	1.36	-5.70	0.02	-2.22	-1.04	CO17
4	193	300	0.000	M _T	0.00	0.92	-3.88	0.15	2.22	0.25	CO17
4	190	297	0.000		0.01	-0.68	5.60	-0.11	-4.02	-0.57	CO17
4	209	164	1.030	M _y	0.01	-0.23	2.29	0.00	4.57	0.41	CO17
4	208	162	0.000		0.00	-1.01	7.20	-0.02	-5.19	-0.85	CO17
4	212	166	0.000	M _z	0.04	0.75	2.59	0.06	-2.19	0.72	CO17
4	211	166	1.030		-0.02	1.36	-5.70	0.02	-2.22	-1.04	CO17
DS5 - SLS - Quasi-permanent base											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	0.86	0.05	0.61	0.01	-0.31	0.02	CO19
3	83	112	0.000		-3.93	-0.02	1.01	0.00	0.00	-0.03	CO19
4	211	165	0.000	V _y	-0.01	0.96	-3.37	0.01	2.23	0.26	CO19
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	CO19
4	208	162	0.000	V _z	0.00	-0.71	5.12	-0.01	-3.68	-0.60	CO19
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	CO19
4	193	300	0.000	M _T	0.00	0.65	-2.76	0.11	1.57	0.18	CO19
4	190	297	0.000		0.00	-0.49	3.98	-0.08	-2.86	-0.40	CO19
4	209	164	1.030	M _y	0.01	-0.17	1.61	0.00	3.24	0.29	CO19
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	CO19
4	212	166	0.000	M _z	0.03	0.53	1.86	0.04	-1.57	0.51	CO19
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	CO19
CO1 - 1.35 * LC1 + 1.35 * LC2											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	1.17	0.07	0.82	0.01	-0.41	0.02	
3	83	112	0.000		-5.27	-0.02	1.38	0.00	0.00	-0.03	
4	211	165	0.000	V _y	0.02	1.30	-4.54	0.01	3.01	0.35	
4	208	163	1.030		0.04	-0.97	5.97	-0.02	1.65	0.18	
4	208	162	0.000	V _z	0.02	-0.96	6.91	-0.02	-4.98	-0.81	
4	211	166	1.030		0.03	1.30	-5.48	0.02	-2.16	-0.99	
4	193	301	1.030	M _T	0.02	0.87	-4.66	0.15	2.19	0.66	
4	190	297	0.000		0.02	-0.66	5.38	-0.11	-3.86	-0.55	
4	209	164	1.030	M _y	0.01	-0.22	2.18	0.00	4.37	0.40	
4	208	162	0.000		0.02	-0.96	6.91	-0.02	-4.98	-0.81	
4	212	166	0.000	M _z	0.02	0.72	2.52	0.05	-2.12	0.69	
4	211	166	1.030		0.03	1.30	-5.48	0.02	-2.16	-0.99	
CO2 - 1.35 * LC1 + 1.35 * LC2 + 1.50 * LC3											
Total max/min values with corresponding values											
3	88	284	3.400 1/2	N	3.91	0.26	2.67	0.04	-1.36	0.08	
3	83	112	0.000		-16.99	-0.04	4.67	0.01	0.00	-0.11	

RESULTS

9.3

MEMBERS - INTERNAL FORCES BY SECTION

Static Analysis

Section No.	Member No.	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Member Comment
					N	V _y	V _z	M _T	M _y	M _z	Cor. Loading
4	211	165	0.000	V _y	0.28	4.32	-14.86	0.05	9.95	1.17	
4	208	163	1.030		0.44	-3.19	19.61	-0.05	5.42	0.61	
4	208	162	0.000	V _z	0.28	-3.17	22.54	-0.08	-16.29	-2.66	
4	211	166	1.030		0.40	4.31	-17.79	0.13	-6.87	-3.28	
4	193	301	1.030	M _T	0.24	2.84	-15.11	0.51	-7.04	-2.16	
4	190	297	0.000		0.15	-2.16	17.50	-0.37	-12.60	-1.80	
4	209	164	1.030	M _y	0.05	-0.74	7.24	-0.01	14.34	1.32	
4	208	162	0.000		0.28	-3.17	22.54	-0.08	-16.29	-2.66	
4	212	166	0.000	M _z	-0.07	2.38	7.98	0.14	-6.76	2.29	
4	211	166	1.030		0.40	4.31	-17.79	0.13	-6.87	-3.28	
CO3 - 1.35 * LC1 + 1.35 * LC2 + 1.50 * LC3 + 0.90 * LC4											
Total max/min values with corresponding values											
3	88	284	3.400	N	3.06	0.24	2.27	0.05	-1.10	0.08	
3	83	112	0.000		-13.51	-0.04	4.21	0.01	0.00	-0.10	
4	211		0.772	V _y	0.25	3.30	-13.33	0.04	-1.75	-1.66	
4	208	163	1.030		0.26	-2.44	15.04	-0.02	4.16	0.46	
4	208	162	0.000	V _z	0.16	-2.43	17.29	-0.04	-12.49	-2.04	
4	211	166	1.030		0.23	3.30	-13.62	0.06	-5.24	-2.52	
4	193	301	1.030	M _T	0.16	2.32	-12.40	0.40	-5.78	-1.76	
4	190	297	0.000		0.11	-1.75	14.30	-0.29	-10.28	-1.45	
4	209	164	1.030	M _y	0.04	-0.58	5.57	0.01	11.03	1.01	
4	208	162	0.000		0.16	-2.43	17.29	-0.04	-12.49	-2.04	
4	212	166	0.000	M _z	-0.02	1.84	6.10	0.12	-5.15	1.77	
4	211	166	1.030		0.23	3.30	-13.62	0.06	-5.24	-2.52	
CO4 - 1.35 * LC1 + 1.35 * LC2 + 1.50 * LC4											
Total max/min values with corresponding values											
3	82	213	3.400	N	1.38	0.00	0.43	0.00	0.02	0.00	
3	88	397	5.100		-0.28	0.05	-0.35	0.02	-0.15	-0.06	
5	311	349	1.030	V _y	0.01	0.29	-1.06	0.00	-0.04	-0.18	
4	211	166	1.030		0.01	-0.37	1.45	-0.05	0.56	0.28	
5	331	392	0.000	V _z	0.01	0.17	1.86	0.00	-1.20	0.13	
4	208		0.103		0.00	0.27	-1.84	0.04	1.16	0.19	
4	176	236	0.000	M _T	-0.01	-0.13	-0.09	0.06	0.17	-0.05	
4	194	301	0.000		-0.04	-0.06	0.17	-0.07	-0.09	-0.03	
4	208	162	0.000	M _y	0.00	0.27	-1.83	0.04	1.35	0.22	
5	331	392	0.000		0.01	0.17	1.86	0.00	-1.20	0.13	
4	211	166	1.030	M _z	0.01	-0.37	1.45	-0.05	0.56	0.28	
4	212	166	0.000		-0.01	-0.19	-0.61	-0.01	0.55	-0.18	
CO5 - 1.35 * LC1 + 1.35 * LC2 + 0.75 * LC3 + 1.50 * LC4											
Total max/min values with corresponding values											
3	88	284	3.400	N	1.13	0.13	1.08	0.03	-0.46	0.05	
3	83	112	0.000		-5.24	-0.02	2.27	0.00	0.00	-0.05	
4	211	166	1.030	V _y	0.02	1.13	-4.70	-0.02	-1.79	-0.86	
4	132	169	1.030		0.00	-0.95	-3.81	0.06	-0.03	0.61	
4	152	211	0.000	V _z	0.01	-0.56	6.50	0.05	-4.08	-0.42	
5	352	416	1.030		0.00	0.29	-5.89	-0.04	-3.93	-0.21	
4	193	301	1.030	M _T	0.03	0.99	-5.38	0.16	-2.51	-0.75	
4	191		0.386		0.02	-0.17	2.03	-0.12	2.16	0.19	
4	209	164	1.030	M _y	0.01	-0.21	1.93	0.03	3.84	0.35	
4	190	297	0.000		0.02	-0.74	6.11	-0.11	-4.36	-0.61	
4	212	166	0.000	M _z	0.03	0.65	2.11	0.05	-1.76	0.62	
4	211	166	1.030		0.02	1.13	-4.70	-0.02	-1.79	-0.86	
CO6 - LC1 + LC2											
Total max/min values with corresponding values											
3	88	284	3.400	N	0.86	0.05	0.61	0.01	-0.31	0.02	
3	83	112	0.000		-3.93	-0.02	1.01	0.00	0.00	-0.03	
4	211	165	0.000	V _y	-0.01	0.96	-3.37	0.01	2.23	0.26	
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	208	162	0.000	V _z	0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	
4	193	300	0.000	M _T	0.00	0.65	-2.76	0.11	1.57	0.18	
4	190	297	0.000		0.00	-0.49	3.98	-0.08	-2.86	-0.40	
4	209	164	1.030	M _y	0.01	-0.17	1.61	0.00	3.24	0.29	
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	212	166	0.000	M _z	0.03	0.53	1.86	0.04	-1.57	0.51	
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	
CO7 - LC1 + LC2 + LC3											
Total max/min values with corresponding values											
3	88	284	3.400	N	2.68	0.16	1.84	0.03	-0.94	0.05	
3	83	112	0.000		-12.00	-0.05	3.14	0.01	0.00	-0.08	
4	211	165	0.000	V _y	-0.03	2.95	-10.24	0.03	6.85	0.79	
4	208	162	0.000		-0.01	-2.18	15.53	-0.04	-11.22	-1.83	

RESULTS

9.3

MEMBERS - INTERNAL FORCES BY SECTION

Static Analysis

Section No.	Member No.	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Member Comment
					N	V _y	V _z	M _T	M _y	M _z	Cor. Loading
4	208	162	0.000	V _z	-0.01	-2.18	15.53	-0.04	-11.22	-1.83	
4	211	166	1.030		-0.03	2.95	-12.26	0.03	-4.74	-2.25	
4	193	300	0.000	M _T	0.00	1.99	-8.38	0.33	4.82	0.54	
4	190	297	0.000		0.02	-1.48	12.05	-0.24	-8.68	-1.23	
4	209	164	1.030	M _y	0.02	-0.51	4.98	0.00	9.88	0.90	
4	208	162	0.000		-0.01	-2.18	15.53	-0.04	-11.22	-1.83	
4	212	166	0.000	M _z	0.09	1.65	5.50	0.13	-4.65	1.58	
4	211	166	1.030		-0.03	2.95	-12.26	0.03	-4.74	-2.25	
SCh CO8 - LC1 + LC2 + LC3 + 0.60 * LC4											
Total max/min values with corresponding values											
3	88	284	3.400	N	2.12	0.15	1.57	0.03	-0.77	0.05	
3	83	112	0.000		-9.56	-0.04	2.85	0.00	0.00	-0.07	
4	211	165	0.000	V _y	-0.03	2.29	-7.91	0.01	5.31	0.61	
4	208	162	0.000		-0.01	-1.69	12.03	-0.01	-8.69	-1.42	
4	208	162	0.000	V _z	-0.01	-1.69	12.03	-0.01	-8.69	-1.42	
4	211	166	1.030		-0.03	2.29	-9.49	0.01	-3.65	-1.75	
4	193	300	0.000	M _T	0.00	1.64	-6.90	0.26	3.98	0.45	
4	190	297	0.000		0.01	-1.22	9.92	-0.19	-7.13	-1.01	
4	209	164	1.030	M _y	0.02	-0.40	3.87	0.01	7.67	0.70	
4	208	162	0.000		-0.01	-1.69	12.03	-0.01	-8.69	-1.42	
4	212	166	0.000	M _z	0.07	1.29	4.25	0.11	-3.59	1.23	
4	211	166	1.030		-0.03	2.29	-9.49	0.01	-3.65	-1.75	
SCh CO9 - LC1 + LC2 + LC4											
Total max/min values with corresponding values											
3	82	213	3.400	N	0.62	0.00	0.16	0.00	-0.04	0.00	
3	81	109	0.000		-0.32	0.00	0.54	0.00	0.00	0.00	
5	311	370	0.000	V _y	0.00	0.23	-0.51	0.00	0.68	0.09	
5	333	394	0.000		0.00	-0.23	-0.51	0.00	0.68	-0.09	
5	331	392	0.000	V _z	0.01	0.13	1.52	0.00	-0.97	0.10	
5	340	404	1.030		0.00	0.12	-1.46	0.00	-0.94	-0.09	
4	176	236	0.000	M _T	-0.01	-0.13	-0.23	0.04	0.33	-0.05	
4	194	301	0.000		-0.04	-0.01	0.31	-0.04	-0.22	0.01	
5	289	347	0.000	M _y	0.00	-0.23	-0.51	0.00	0.68	-0.09	
5	331	392	0.000		0.01	0.13	1.52	0.00	-0.97	0.10	
5	333	373	1.030	M _z	0.00	-0.23	-0.87	0.00	-0.03	0.14	
5	311	349	1.030		0.00	0.23	-0.87	0.00	-0.03	-0.14	
SCh CO10 - LC1 + LC2 + 0.50 * LC3 + LC4											
Total max/min values with corresponding values											
3	88	284	3.400	N	0.84	0.09	0.78	0.02	-0.34	0.03	
3	83	112	0.000		-3.91	-0.02	1.60	0.00	0.00	-0.04	
4	211	165	0.000	V _y	-0.01	0.85	-2.93	-0.02	1.98	0.22	
4	132	190	0.000		-0.01	-0.69	-1.94	0.04	2.40	-0.27	
4	152	211	0.000	V _z	0.00	-0.40	4.73	0.04	-2.97	-0.30	
5	352	416	1.030		0.01	0.20	-4.20	-0.03	-2.80	-0.14	
4	193	300	0.000	M _T	0.00	0.74	-3.10	0.11	1.79	0.20	
4	191	298	0.000		0.01	-0.12	1.73	-0.09	0.95	0.09	
4	209	164	1.030	M _y	0.01	-0.16	1.44	0.02	2.88	0.27	
4	208	162	0.000		0.00	-0.63	4.50	0.01	-3.24	-0.53	
4	212	166	0.000	M _z	0.03	0.49	1.60	0.04	-1.33	0.46	
4	211	166	1.030		-0.01	0.85	-3.54	-0.02	-1.35	-0.65	
SCh CO11 - 1.60 * LC1 + 1.60 * LC2											
Total max/min values with corresponding values											
3	88	284	3.400	N	1.38	0.09	0.97	0.02	-0.49	0.03	
3	83	112	0.000		-6.29	-0.03	1.62	0.00	0.00	-0.04	
4	211	165	0.000	V _y	-0.02	1.54	-5.38	0.02	3.57	0.41	
4	208	162	0.000		0.00	-1.14	8.18	-0.02	-5.90	-0.96	
4	208	162	0.000	V _z	0.00	-1.14	8.18	-0.02	-5.90	-0.96	
4	211	166	1.030		-0.02	1.54	-6.50	0.02	-2.55	-1.18	
4	193	300	0.000	M _T	0.00	1.04	-4.41	0.17	2.52	0.28	
4	190	297	0.000		0.01	-0.78	6.37	-0.13	-4.57	-0.65	
4	209	164	1.030	M _y	0.01	-0.27	2.58	0.00	5.18	0.47	
4	208	162	0.000		0.00	-1.14	8.18	-0.02	-5.90	-0.96	
4	212	166	0.000	M _z	0.05	0.85	2.98	0.07	-2.51	0.81	
4	211	166	1.030		-0.02	1.54	-6.50	0.02	-2.55	-1.18	
SCh CO12 - 1.60 * LC1 + 1.60 * LC2 + LC3											
Total max/min values with corresponding values											
3	88	284	3.400	N	3.19	0.19	2.20	0.04	-1.12	0.06	
3	83	112	0.000		-14.36	-0.06	3.74	0.01	0.00	-0.09	
4	211	165	0.000	V _y	-0.04	3.53	-12.26	0.04	8.19	0.94	
4	208	162	0.000		-0.01	-2.61	18.60	-0.04	-13.44	-2.19	
4	208	162	0.000	V _z	-0.01	-2.61	18.60	-0.04	-13.44	-2.19	
4	211	166	1.030		-0.04	3.53	-14.70	0.04	-5.69	-2.69	



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RESULTS

9.3

MEMBERS - INTERNAL FORCES BY SECTION

Static Analysis

Section No.	Member No.	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Member Comment
					N	V _y	V _z	M _T	M _y	M _z	
4	193	300	0.000	M _T	0.01	2.37	-10.03	0.39	5.77	0.64	
4	190	297	0.000		0.02	-1.77	14.44	-0.29	-10.39	-1.47	
4	209	164	1.030	M _y	0.03	-0.61	5.95	0.00	11.82	1.07	
4	208	162	0.000		-0.01	-2.61	18.60	-0.04	-13.44	-2.19	
4	212	166	0.000	M _z	0.10	1.97	6.62	0.16	-5.60	1.89	
4	211	166	1.030		-0.04	3.53	-14.70	0.04	-5.69	-2.69	
CO13 - 1.60 * LC1 + 1.60 * LC2 + LC3 + 0.60 * LC4											
Total max/min values with corresponding values											
3	88	284	3.400	N	2.64	0.18	1.94	0.04	-0.95	0.06	
3	83	112	0.000		-11.92	-0.05	3.46	0.01	0.00	-0.09	
4	211	165	0.000	V _y	-0.03	2.86	-9.93	0.02	6.65	0.76	
4	208	162	0.000		-0.01	-2.12	15.10	-0.02	-10.90	-1.78	
4	208	162	0.000	V _z	-0.01	-2.12	15.10	-0.02	-10.90	-1.78	
4	211	166	1.030		-0.03	2.86	-11.92	0.02	-4.61	-2.19	
4	193	300	0.000	M _T	0.00	2.03	-8.55	0.33	4.92	0.55	
4	190	297	0.000		0.02	-1.51	12.31	-0.24	-8.85	-1.25	
4	209	164	1.030	M _y	0.02	-0.50	4.84	0.01	9.62	0.87	
4	208	162	0.000		-0.01	-2.12	15.10	-0.02	-10.90	-1.78	
4	212	166	0.000	M _z	0.09	1.60	5.37	0.13	-4.53	1.54	
4	211	166	1.030		-0.03	2.86	-11.92	0.02	-4.61	-2.19	
CO14 - 1.60 * LC1 + 1.60 * LC2 + LC4											
Total max/min values with corresponding values											
3	88	284	3.400	N	0.45	0.07	0.53	0.02	-0.20	0.03	
3	83	112	0.000		-2.24	-0.02	1.14	0.00	0.00	-0.03	
4	193	300	0.000	V _y	0.00	0.46	-1.94	0.07	1.11	0.13	
5	289	347	0.000		0.01	-0.47	-1.07	-0.01	1.45	-0.19	
5	353	416	0.000	V _z	0.01	-0.25	3.22	0.02	-2.05	-0.19	
5	352	416	1.030		0.01	0.15	-3.07	-0.02	-2.04	-0.11	
4	192	299	0.000	M _T	-0.01	0.03	-0.03	0.07	1.41	0.14	
4	191	298	0.000		0.01	-0.07	1.09	-0.05	0.59	0.06	
4	153	213	1.030	M _y	0.01	-0.06	0.34	0.01	1.60	0.15	
5	353	416	0.000		0.01	-0.25	3.22	0.02	-2.05	-0.19	
5	289	348	1.030	M _z	0.01	-0.47	-1.84	-0.01	-0.04	0.29	
4	193	301	1.030		0.00	0.46	-2.53	0.07	-1.20	-0.34	
CO15 - 1.60 * LC1 + 1.60 * LC2 + 0.50 * LC3 + LC4											
Total max/min values with corresponding values											
3	88	284	3.400	N	1.36	0.12	1.14	0.03	-0.52	0.04	
3	83	112	0.000		-6.27	-0.03	2.21	0.00	0.00	-0.05	
4	211	165	0.000	V _y	-0.02	1.42	-4.94	-0.01	3.31	0.38	
4	208	162	0.000		0.00	-1.06	7.57	0.00	-5.45	-0.89	
4	208	162	0.000	V _z	0.00	-1.06	7.57	0.00	-5.45	-0.89	
4	136	196	1.030		0.00	0.35	-6.01	-0.03	-3.79	-0.26	
4	193	300	0.000	M _T	0.00	1.13	-4.76	0.18	2.73	0.31	
4	191	298	0.000		0.01	-0.19	2.68	-0.13	1.46	0.13	
4	209	164	1.030	M _y	0.01	-0.26	2.41	0.02	4.82	0.44	
4	208	162	0.000		0.00	-1.06	7.57	0.00	-5.45	-0.89	
4	212	166	0.000	M _z	0.05	0.80	2.71	0.07	-2.27	0.77	
4	211	166	1.030		-0.02	1.42	-5.98	-0.01	-2.31	-1.09	
CO16 - LC1 + LC2											
Total max/min values with corresponding values											
3	88	284	3.400	N	0.86	0.05	0.61	0.01	-0.31	0.02	
3	83	112	0.000		-3.93	-0.02	1.01	0.00	0.00	-0.03	
4	211	165	0.000	V _y	-0.01	0.96	-3.37	0.01	2.23	0.26	
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	208	162	0.000	V _z	0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	
4	193	300	0.000	M _T	0.00	0.65	-2.76	0.11	1.57	0.18	
4	190	297	0.000		0.00	-0.49	3.98	-0.08	-2.86	-0.40	
4	209	164	1.030	M _y	0.01	-0.17	1.61	0.00	3.24	0.29	
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	212	166	0.000	M _z	0.03	0.53	1.86	0.04	-1.57	0.51	
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	
CO17 - LC1 + LC2 + 0.20 * LC3											
Total max/min values with corresponding values											
3	88	284	3.400	N	1.22	0.07	0.85	0.01	-0.43	0.02	
3	83	112	0.000		-5.55	-0.02	1.44	0.00	0.00	-0.04	
4	211	165	0.000	V _y	-0.02	1.36	-4.74	0.02	3.15	0.36	
4	208	162	0.000		0.00	-1.01	7.20	-0.02	-5.19	-0.85	
4	208	162	0.000	V _z	0.00	-1.01	7.20	-0.02	-5.19	-0.85	
4	211	166	1.030		-0.02	1.36	-5.70	0.02	-2.22	-1.04	
4	193	300	0.000	M _T	0.00	0.92	-3.88	0.15	2.22	0.25	
4	190	297	0.000		0.01	-0.68	5.60	-0.11	-4.02	-0.57	



Model:

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RESULTS

9.3

MEMBERS - INTERNAL FORCES BY SECTION

Static Analysis

Section No.	Member No.	Node No.	Location x [m]		Forces [kN]			Moments [kNm]			Member Comment Cor. Loading
					N	V _y	V _z	M _T	M _y	M _z	
4	209	164	1.030	M _y	0.01	-0.23	2.29	0.00	4.57	0.41	
4	208	162	0.000		0.00	-1.01	7.20	-0.02	-5.19	-0.85	
4	212	166	0.000	M _z	0.04	0.75	2.59	0.06	-2.19	0.72	
4	211	166	1.030		-0.02	1.36	-5.70	0.02	-2.22	-1.04	
CO18 - LC1 + LC2 + 0.20 * LC4 Total max/min values with corresponding values											
3	88	284	3.400	N	0.68	0.05	0.52	0.01	-0.25	0.02	
3	83	112	0.000		-3.12	-0.01	0.92	0.00	0.00	-0.02	
4	211	165	0.000	V _y	-0.01	0.74	-2.59	0.00	1.72	0.20	
4	208	162	0.000		0.00	-0.55	3.95	0.00	-2.84	-0.46	
4	208	162	0.000	V _z	0.00	-0.55	3.95	0.00	-2.84	-0.46	
4	211	166	1.030		-0.01	0.74	-3.14	0.00	-1.23	-0.57	
4	193	300	0.000	M _T	0.00	0.53	-2.26	0.09	1.29	0.15	
4	190	297	0.000		0.00	-0.40	3.27	-0.06	-2.34	-0.33	
4	209	164	1.030	M _y	0.01	-0.13	1.24	0.00	2.50	0.23	
4	208	162	0.000		0.00	-0.55	3.95	0.00	-2.84	-0.46	
4	212	166	0.000	M _z	0.02	0.41	1.45	0.03	-1.21	0.39	
4	211	166	1.030		-0.01	0.74	-3.14	0.00	-1.23	-0.57	
CO19 - LC1 + LC2 Total max/min values with corresponding values											
3	88	284	3.400	N	0.86	0.05	0.61	0.01	-0.31	0.02	
3	83	112	0.000		-3.93	-0.02	1.01	0.00	0.00	-0.03	
4	211	165	0.000	V _y	-0.01	0.96	-3.37	0.01	2.23	0.26	
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	208	162	0.000	V _z	0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	
4	193	300	0.000	M _T	0.00	0.65	-2.76	0.11	1.57	0.18	
4	190	297	0.000		0.00	-0.49	3.98	-0.08	-2.86	-0.40	
4	209	164	1.030	M _y	0.01	-0.17	1.61	0.00	3.24	0.29	
4	208	162	0.000		0.00	-0.71	5.12	-0.01	-3.68	-0.60	
4	212	166	0.000	M _z	0.03	0.53	1.86	0.04	-1.57	0.51	
4	211	166	1.030		-0.01	0.96	-4.06	0.01	-1.60	-0.74	

10 Timber Design

10.1

OBJECTS TO DESIGN

Object Type	Design All	Objects to Design				Not Valid / Deact.	Comment
		Selected	To Calculate	Removed			
Members	<input checked="" type="checkbox"/>	1-256,268-333,338 -355	1-256,268-333,338 -355				

10.2

DESIGN SITUATIONS

DS No.	EN 1990 Base + Timber SIST 2010-01 Design Situation Type	To Design	Active	EN 1995 SIST 2018-01 Design Situation Type	Combinations to Design for Enumeration Method
1	ULS ULS (STR/GEO) - Permanent and transient - Eq. 6.10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ULS ULS (STR/GEO) - Permanent and transient	All
2	SCh SLS - Characteristic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SCh SLS - Characteristic	All
3	SQp SLS - Quasi-permanent	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SQp1 SLS - Quasi-permanent 1	All
4	SFv SLS - Frequent base	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SV SLS - Vibration	All
5	SQp SLS - Quasi-permanent base	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SQp1 SLS - Quasi-permanent 1	All

10.3

MATERIALS

Legend

☒ Stiffness modification

Material No.	Name	To Design	Material Type	Options	Comment
4	C24	<input checked="" type="checkbox"/>	Timber	<input checked="" type="checkbox"/>	

10.4

SECTIONS

Legend

☒ Warping stiffness deactivated

Section No.	Name	Material	To Design	Section Type	Use Other Section for Design	Options
3	R_M1 100/120	4	<input checked="" type="checkbox"/>	Parametric - Massive I	--	A
4	R_M1 140/160	4	<input checked="" type="checkbox"/>	Parametric - Massive I	--	A
5	R_M1 120/140	4	<input checked="" type="checkbox"/>	Parametric - Massive I	--	A





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THICKNESSES

Thick. No.	Name	Type	Material	To Design	Use Other Thick. d [mm] for Design
1	Uniform d : 250.0 mm	Uniform	??	<input checked="" type="checkbox"/>	--
2	Uniform d : 250.0 mm	Uniform	??	<input checked="" type="checkbox"/>	--

10.6

ULTIMATE CONFIGURATIONS

Config. No.	Name	Assigned to			
		Members	Member Sets	Surfaces	Surface Sets
1	Default	All	All	All	All

10.6.1

ULTIMATE CONFIGURATIONS - SETTINGS - MEMBERS

Config. No.	Description	Symbol	Value	Unit
1	Default			
	General			
	<input checked="" type="checkbox"/> Perform stability design			
	Limit Values for Special Cases			
	Tension ($\sigma_{t,0,d} / f_{t,0,d}$)	$\eta_{ot,lim}$	0.001	--
	Compression ($\sigma_{c,0,d} / f_{c,0,d}$)	$\eta_{oc,lim}$	0.001	--
	Shear ($\tau_{xy,d} / f_{v,d}$)	$\eta_{xy,lim}$	0.001	--
	Shear ($\tau_{xz,d} / f_{v,d}$)	$\eta_{xz,lim}$	0.001	--
	Torsion ($\tau_{tor,d} / f_{v,d}$)	$\eta_{tor,lim}$	0.010	--
	Bending ($\sigma_{m,y,d} / f_{m,d}$)	$\eta_{om,y,lim}$	0.001	--
	Bending ($\sigma_{m,z,d} / f_{m,d}$)	$\eta_{om,z,lim}$	0.001	--
	Curved and Saddle Members			
	<input checked="" type="checkbox"/> Perpendicular tension design of curved members			
	<input checked="" type="checkbox"/> Perpendicular tension design of saddle members			
	Cut-to-Grain Angle Limit			
	Allow further design if angle does not exceed limit	$ \alpha \leq$	24.00	deg
	System Strength Acc. to 6.6			
	<input type="checkbox"/> Consider system strength factor			
	Settings for Stability Design			
	Stiffness Reduction			
	<input type="checkbox"/> Reduction of stiffness with coefficient $1/(1+k_{der})$ acc. to DIN EN 1995-1-1			
	Position of Positive Transverse Load Application			
	Vertical position			
	<input checked="" type="radio"/> On section edge (destabilizing effect)			
	<input type="radio"/> At shear point			
	<input type="radio"/> At center point			
	<input type="radio"/> On section edge (stabilizing effect)			
	<input type="checkbox"/> Reduction of effective length by 0.5h acc. to Tab. 6.1 (stabilizing effect)			

10.6.2

ULTIMATE CONFIGURATIONS - SETTINGS - SURFACES

Config. No.	Description	Symbol	Value	Unit
1	Default			
	Limit Values for Special Cases			
	Tension ($\sigma_{t,0,d} / f_{t,0,d}$)	$\eta_{ot,0,lim}$	0.001	--
	Tension perpendicular ($\sigma_{t,90,d} / f_{t,90,d}$)	$\eta_{ot,90,lim}$	0.001	--
	Compression ($\sigma_{c,0,d} / f_{c,0,d}$)	$\eta_{oc,0,lim}$	0.001	--
	Compression perpendicular ($\sigma_{c,90,d} / f_{c,90,d}$)	$\eta_{oc,90,lim}$	0.001	--
	Shear in yz-plane ($\tau_{yz} / f_{v,yz,d}$)	$\eta_{yz,lim}$	0.001	--
	Shear in xz-plane ($\tau_{xz} / f_{v,xz,d}$)	$\eta_{xz,lim}$	0.001	--
	Shear in xy-plane ($\tau_{xy} / f_{v,xy,d}$)	$\eta_{xy,lim}$	0.001	--
	Shear on net section ($\tau_{net} / f_{v,net,d}$)	$\eta_{net,lim}$	0.001	--
	Equivalent torsion ($\tau_{tor} / f_{v,tor,d}$)	$\eta_{tor,lim}$	0.001	--
	Bending ($\sigma_{b,0,d} / f_{m,0,d}$)	$\eta_{ob,0,lim}$	0.001	--
	Bending perpendicular ($\sigma_{b,90,d} / f_{m,90,d}$)	$\eta_{ob,90,lim}$	0.001	--
	System Strength			
	<input type="checkbox"/> Consider system strength factor			





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10.7 SERVICEABILITY CONFIGURATIONS

Config. No.	Name	Assigned to			
		Members	Member Sets	Surfaces	Surface Sets
1	Default	All	All	All	All

10.7.1 SERVICEABILITY CONFIGURATIONS - SETTINGS - MEMBERS

Config. No.	Description	Symbol	Value	Unit
1	Default			
	Serviceability Limits (Deflections) Acc. to 7.2			
	Beam limits			
	Characteristic	L /	300	--
	Quasi-permanent 1	L /	250	--
	Quasi-permanent 2	L /	150	--
	Cantilever limits			
	Characteristic	L _c /	150	--
	Quasi-permanent 1	L _c /	125	--
	Quasi-permanent 2	L _c /	75	--
	Vibration Design			
	Vibration design	W _{inst,lim}	5.0	mm

10.7.2 SERVICEABILITY CONFIGURATIONS - SETTINGS - SURFACES

Config. No.	Description	Symbol	Value	Unit
1	Default			
	Serviceability Limits (Deflections) Acc. to 7.2			
	Limit for double-supported surface			
	Characteristic	L /	300	--
	Quasi-permanent 1	L /	250	--
	Quasi-permanent 2	L /	150	--
	Limit for cantilever surface			
	Characteristic	L _c /	150	--
	Quasi-permanent 1	L _c /	125	--
	Quasi-permanent 2	L _c /	75	--
	Vibration Design			
	Vibration design	W _{lim}	5.0	mm

10.8 FIRE RESISTANCE CONFIGURATIONS

Config. No.	Name	Assigned to			
		Members	Member Sets	Surfaces	Surface Sets
1	Default	All	All	All	All

10.8.1 FIRE RESISTANCE CONFIGURATIONS - SETTINGS - MEMBERS

Config. No.	Description	Symbol	Value	Unit
1	Default			
	Fire Design Settings			
	Required time of fire resistance	t	30	min
	Fire exposure (not for circular sections)			
	<input checked="" type="checkbox"/> Top (-z)			
	<input checked="" type="checkbox"/> Left (-y)			
	<input checked="" type="checkbox"/> Right (+y)			
	<input checked="" type="checkbox"/> Bottom (+z)			

10.8.2 FIRE RESISTANCE CONFIGURATIONS - SETTINGS - SURFACES

Config. No.	Description	Symbol	Value	Unit
1	Default			
	Fire Design Settings			
	Required time of fire resistance	t	30	min
	<input type="radio"/> Wall			
	<input checked="" type="radio"/> Ceiling			
	<input type="radio"/> Heat-proof adhesion of cross-laminated timber layers			
	<input checked="" type="radio"/> Non-heat-proof adhesion of cross-laminated timber layers			
	Coefficient increasing charring rate of inner layers	k _β	2.00	--
	<input type="checkbox"/> User-defined coefficient of layer thickness with zero strength			



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10.8.2

FIRE RESISTANCE CONFIGURATIONS - SETTINGS - SURFACES

Config. No.	Description	Symbol	Value	Unit
	Thickness to omit fire reduced layer		3.0	mm
	Fire exposure			
	<input type="checkbox"/> Top (-z)			
	<input checked="" type="checkbox"/> Bottom (+z)			
	<input checked="" type="checkbox"/> Consider non-heat-proof adhesion from bottom			
	<input type="checkbox"/> Initial fire protection from bottom (+z)			

10.9 Results



10.9.1

DESIGN RATIOS ON MEMBERS BY SECTION

Timber Design

Section No.	Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description			
						Ratio η [-]						
3	■ ■ R_M1 100/120 4 - C24											
	1	6.800	⚖		DS1	CO1		0.000	✓	SP0100.00	Section Proof Negligible internal forces	
	88	3.400	½	1	DS1	CO2		0.032	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2	
	83	0.000	⚖	1	DS1	CO2		0.097	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4	
	80	3.400	½	4	DS1	CO2	■	0.249	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8	
	76	1.000		4	DS1	CO2	■	0.407	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section	
	86	3.400	½	2	DS1	CO2		0.051	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	
	51	4.360		1	DS1	CO2	■	0.388	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
	86	6.800	⚖	1	DS1	CO5		0.081	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6	
	60	1.000		3	DS1	CO2	■	0.630	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
	39	5.800		1	DS1	CO2	■	0.501	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3	
	68	1.515		3	DS1	CO1		0.027	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3	
	76	5.100	¾	3	DS1	CO2	■	0.958	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3	
	44	1.000		7	DS1	CO2	■	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4	
		78	6.800	⚖	3	DS1	CO2	■	0.070	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
		76	5.100	¾	9	DS1	CO2	■	1.006	✗	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
		1	0.000	⚖		DS2	CO6		0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
						DS3	CO11		0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
						DS4	CO16		0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
		84	1.480			DS2	CO7	■	0.083	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
						DS3	CO12	■	0.083	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
		83	4.360			DS2	CO7	■	0.409	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
						DS3	CO12	■	0.408	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		84	1.480			DS4	CO17	■	0.173	✓	SE2100.00	Serviceability Vibration in y-direction
		83	4.360			DS4	CO17	■	0.856	✓	SE2200.00	Serviceability Vibration in z-direction
4	■ ■ R_M1 140/160 4 - C24											
	133	0.000	⚖		DS1	CO4		0.000	✓	SP0100.00	Section Proof Negligible internal forces	
	208	0.644		1	DS1	CO2		0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2	
	194	0.000	⚖	1	DS1	CO2		0.002	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4	
	193	1.030	⚖	4	DS1	CO2	■	0.256	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8	
	208	0.000	⚖	4	DS1	CO2	■	0.812	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section	
	211	0.000	⚖	2	DS1	CO2	■	0.156	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	
	207	0.515	½	1	DS1	CO2	■	0.778	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
	211	0.644		1	DS1	CO5		0.049	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6	
	207	1.030	⚖	1	DS1	CO2	■	1.651	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
	190	0.824		7	DS1	CO2	■	0.092	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3	
	208	0.000	⚖	3	DS1	CO2	■	1.857	✗	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3	
	194	0.000	⚖	9	DS1	CO2	■	0.794	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4	
	89	0.000	⚖		DS2	CO6		0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
						DS3	CO11		0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
						DS4	CO16		0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
		210	0.515	½		DS2	CO7	■	0.077	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
						DS3	CO12	■	0.077	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
						DS2	CO7	■	0.642	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
						DS3	CO12	■	0.640	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2





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10.9.1 DESIGN RATIOS ON MEMBERS BY SECTION

Timber Design

Section No.	Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
						Ratio η [-]			
4	210	0.515 $\frac{1}{2}$		DS4	CO17	<div></div>	0.025 ✓	SE2100.00	Serviceability Vibration in y-direction
				DS4	CO17	<div></div>	0.203 ✓	SE2200.00	Serviceability Vibration in z-direction
5	■ ■ R_M1 120/140 4 - C24								
	353	0.515 $\frac{1}{2}$	1	DS1	CO2	<div></div>	0.001 ✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	354	1.030 $\frac{1}{2}$	4	DS1	CO2	<div></div>	0.136 ✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	353	0.000 $\frac{1}{2}$	4	DS1	CO2	<div></div>	0.608 ✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	289	0.000 $\frac{1}{2}$	2	DS1	CO2	<div></div>	0.087 ✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	268	1.030 $\frac{1}{2}$	1	DS1	CO3	<div></div>	0.630 ✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	291	0.515 $\frac{1}{2}$	1	DS1	CO4	<div></div>	0.004 ✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	353	0.000 $\frac{1}{2}$	3	DS1	CO2	<div></div>	1.318 ✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	331	0.773 $\frac{3}{4}$	7	DS1	CO2	<div></div>	0.143 ✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	353	0.258 $\frac{1}{4}$	3	DS1	CO2	<div></div>	0.792 ✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	268	0.000 $\frac{1}{2}$		DS2	CO6	<div></div>	0.000 ✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
				DS3	CO11	<div></div>	0.000 ✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
				DS4	CO16	<div></div>	0.000 ✓	SE0100.10	Serviceability Negligible deflection of vibration
	288	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.053 ✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
				DS3	CO12	<div></div>	0.053 ✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
				DS2	CO7	<div></div>	0.442 ✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
				DS3	CO12	<div></div>	0.441 ✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
				DS4	CO17	<div></div>	0.017 ✓	SE2100.00	Serviceability Vibration in y-direction
				DS4	CO17	<div></div>	0.141 ✓	SE2200.00	Serviceability Vibration in z-direction

10.9.2 DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Description	
					Ratio η [-]		Type	
1	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 $\frac{1}{2}$		DS1	CO1		0.000	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2		0.002	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400 $\frac{1}{2}$	1	DS1	CO2		0.002	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.800	4	DS1	CO2		0.186	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 $\frac{1}{2}$	2	DS1	CO2		0.004	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO3		0.243	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.285	1	DS1	CO5		0.002	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	4.360	1	DS1	CO2		0.189	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.800	1	DS1	CO2		0.324	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2		0.316	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	7	DS1	CO2		0.233	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 $\frac{1}{2}$		DS2	CO6		0.000	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7		0.004	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.004	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.800		DS2	CO7		0.043	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.043	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17		0.008	SE2100.00	Serviceability Vibration in y-direction
	5.800		DS4	CO17		0.091	SE2200.00	Serviceability Vibration in z-direction
2	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 $\frac{1}{2}$		DS1	CO4		0.000	SP0100.00	Section Proof Negligible internal forces
	1.000	1	DS1	CO2		0.002	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2		0.012	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
		4	DS1	CO2		0.177	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 $\frac{1}{2}$	2	DS1	CO2		0.004	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.960	1	DS1	CO1		0.092	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	6.800 $\frac{1}{2}$	1	DS1	CO5		0.008	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	2.440	1	DS1	CO2		0.204	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 $\frac{1}{2}$	1	DS1	CO2		0.271	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO2		0.269	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 $\frac{1}{2}$	1	DS1	CO2		0.015	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	7	DS1	CO2		0.250	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 $\frac{1}{2}$		DS2	CO6		0.000	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7		0.004	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.004	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7		0.077	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.077	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17		0.007	SE2100.00	Serviceability Vibration in y-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
2	2.440		DS4	CO17	0.162	✓	SE2200.00	Serviceability Vibration in z-direction
3	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800	1	DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.012	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
		4	DS1	CO2	0.177	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 1/2	2	DS1	CO2	0.004	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.840	1	DS1	CO1	0.092	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO5	0.007	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	4.360	1	DS1	CO2	0.204	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 1/2	1	DS1	CO2	0.271	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO2	0.269	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	1	DS1	CO2	0.013	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.250	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.004	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.004	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.077	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.077	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.162	✓	SE2200.00	Serviceability Vibration in z-direction
4	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800	1	DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400 1/2	1	DS1	CO2	0.003	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.700 1/4	4	DS1	CO3	0.012	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 1/2	2	DS1	CO2	0.015	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	3.880	1	DS1	CO5	0.007	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	4.360	3	DS1	CO2	0.362	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.800	3	DS1	CO2	0.662	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO1	0.281	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		7	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.014	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.014	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.800		DS2	CO7	0.095	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.095	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.029	✓	SE2100.00	Serviceability Vibration in y-direction
	5.800		DS4	CO17	0.198	✓	SE2200.00	Serviceability Vibration in z-direction
5	Beam 3 - R_M1 100/120 L : 6.800 m							
	1.000	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.029	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.667	4	DS1	CO2	0.011	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 1/2	2	DS1	CO2	0.015	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.049	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	4.585	1	DS1	CO1	0.010	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	2.440	3	DS1	CO2	0.391	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.000	7	DS1	CO4	0.056	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		3	DS1	CO2	0.532	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO1	0.227	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	3	DS1	CO2	0.049	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.524	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.012	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.012	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.143	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.142	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.025	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.297	✓	SE2200.00	Serviceability Vibration in z-direction
6	Beam 3 - R_M1 100/120 L : 6.800 m							
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.029	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.133	4	DS1	CO2	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
6	3.400 ½	2	DS1	CO2	0.015	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.049	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	2.215	1	DS1	CO1	0.010	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	4.360	3	DS1	CO2	0.391	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.800	7	DS1	CO4	0.056	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		3	DS1	CO2	0.532	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO1	0.227	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000 ¾	3	DS1	CO2	0.043	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	9	DS1	CO2	0.524	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ¾		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.012	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.012	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.143	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.142	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.025	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.297	✓	SE2200.00	Serviceability Vibration in z-direction
7	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 ¾		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 ½	1	DS1	CO4	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 ¾	1	DS1	CO2	0.025	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	2.125	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.358	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 ¼	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.700 ¼	3	DS1	CO4	0.004	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.360	1	DS1	CO4	0.060	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO2	0.620	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		7	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ¾		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.206	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.205	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.002	✓	SE2100.00	Serviceability Vibration in y-direction
	1.133		DS4	CO17	0.430	✓	SE2200.00	Serviceability Vibration in z-direction
8	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 ½	1	DS1	CO4	0.007	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 ¾	1	DS1	CO2	0.064	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 ½	4	DS1	CO3	0.012	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.364	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 ¾	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.070	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800 ¾	1	DS1	CO4	0.009	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	7	DS1	CO4	0.061	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	3.400 ½	7	DS1	CO5	0.201	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 ¾	3	DS1	CO2	0.039	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.577	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ¾		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.282	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.281	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.014	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.590	✓	SE2200.00	Serviceability Vibration in z-direction
9	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 ½	1	DS1	CO4	0.007	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 ¾	1	DS1	CO2	0.064	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.700 ¼	4	DS1	CO2	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 ½	4	DS1	CO2	0.363	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 ¼	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.070	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000 ¾	1	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	7	DS1	CO4	0.061	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	3.400 ½	7	DS1	CO5	0.201	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000 ¾	3	DS1	CO2	0.035	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.577	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ¾		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
9	5.285		DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.282	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.281	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.014	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.590	✓	SE2200.00	Serviceability Vibration in z-direction
10	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800	≡	DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400	½	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	≡	DS1	CO2	0.018	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	½	DS1	CO3	0.017	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	3.915	1	DS1	CO4	0.042	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO1	0.281	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		9	DS1	CO2	0.628	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000	≡	DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.189	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
11	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400	½	DS1	CO4	0.006	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	≡	DS1	CO2	0.056	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	½	DS1	CO3	0.016	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.362	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100	¾	DS1	CO2	0.010	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.068	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800	≡	DS1	CO4	0.010	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	9	DS1	CO4	0.059	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO1	0.188	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	≡	DS1	CO2	0.047	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400	½	DS1	CO2	0.571	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000	≡	DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
12	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400	½	DS1	CO4	0.006	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	≡	DS1	CO2	0.056	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.700	¼	DS1	CO2	0.017	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400	½	DS1	CO2	0.362	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700	¼	DS1	CO2	0.009	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.068	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000	≡	DS1	CO4	0.010	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	9	DS1	CO4	0.059	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO1	0.188	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	≡	DS1	CO2	0.042	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400	½	DS1	CO2	0.571	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000	≡	DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
13	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800	≡	DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400	½	DS1	CO2	0.003	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.800	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400	½	DS1	CO2	0.004	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	4.360	1	DS1	CO2	0.358	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.800	1	DS1	CO2	0.643	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
13	5.800	7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.468	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.800		DS2	CO7	0.095	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.095	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
	5.800		DS4	CO17	0.198	✓	SE2200.00	Serviceability Vibration in z-direction
14	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	1.000	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 ½	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.004	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.960	1	DS1	CO3	0.293	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	4.585	1	DS1	CO1	0.002	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	2.440	1	DS1	CO2	0.390	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.960	7	DS1	CO2	0.390	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.000	1	DS1	CO2	0.506	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.518	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	1	DS1	CO2	0.010	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.506	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.146	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.302	✓	SE2200.00	Serviceability Vibration in z-direction
15	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	0.000	4	DS1	CO2	0.069	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 ½	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.133	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.840	1	DS1	CO3	0.293	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO4	0.007	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	4.360	1	DS1	CO2	0.390	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.840	7	DS1	CO2	0.390	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	1	DS1	CO2	0.506	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.518	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	3	DS1	CO2	0.039	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.506	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.567		DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.146	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.567		DS4	CO17	0.011	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.302	✓	SE2200.00	Serviceability Vibration in z-direction
16	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	1.000	1	DS1	CO2	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400 ½	1	DS1	CO2	0.002	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.100 ¾	4	DS1	CO2	0.156	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.186	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.967	2	DS1	CO2	0.019	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.000	1	DS1	CO3	0.243	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	4.585	1	DS1	CO2	0.059	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	5.100 ¾	1	DS1	CO3	0.230	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.000	1	DS1	CO2	0.342	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.317	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.248	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Description	
					Ratio η [-]		Type	
16	5.950		DS2	CO7		0.013 ✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.013 ✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	1.000		DS2	CO7		0.056 ✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.056 ✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.950		DS4	CO17		0.028 ✓	SE2100.00	Serviceability Vibration in y-direction
	1.000		DS4	CO17		0.119 ✓	SE2200.00	Serviceability Vibration in z-direction
17	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 \pm		DS1	CO1		0.000 ✓	SP0100.00	Section Proof Negligible internal forces
	0.000 \pm	1	DS1	CO2		0.014 ✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3		0.016 ✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2		0.360 ✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.002 ✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5		0.160 ✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO3		0.478 ✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 $\frac{1}{2}$	7	DS1	CO2		0.508 ✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	1	DS1	CO3		0.002 ✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2		0.627 ✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
			DS2	CO6		0.000 ✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
	0.000 \pm		DS3	CO11		0.000 ✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7		0.153 ✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.152 ✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17		0.003 ✓	SE2100.00	Serviceability Vibration in y-direction
	1.133		DS4	CO17		0.319 ✓	SE2200.00	Serviceability Vibration in z-direction
18	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 $\frac{1}{2}$	1	DS1	CO4		0.005 ✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 \pm	1	DS1	CO2		0.047 ✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3		0.014 ✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2		0.359 ✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 $\frac{3}{4}$	2	DS1	CO2		0.008 ✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO4		0.064 ✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800 \pm	1	DS1	CO4		0.008 ✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	7	DS1	CO4		0.054 ✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2		0.276 ✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 \pm	3	DS1	CO2		0.037 ✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
		7	DS1	CO2		0.567 ✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6		0.000 ✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
	1.480		DS4	CO16		0.000 ✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7		0.008 ✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	2.440		DS3	CO12		0.008 ✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.219 ✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
	1.480		DS3	CO12		0.218 ✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		DS4	CO17		0.016 ✓	SE2100.00	Serviceability Vibration in y-direction	
2.440		DS4	CO17		0.456 ✓	SE2200.00	Serviceability Vibration in z-direction	
19	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 $\frac{1}{2}$	1	DS1	CO4		0.005 ✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 \pm	1	DS1	CO2		0.047 ✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3		0.015 ✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2		0.359 ✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 $\frac{1}{4}$	2	DS1	CO2		0.008 ✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO4		0.064 ✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000 \pm	1	DS1	CO4		0.008 ✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	7	DS1	CO4		0.054 ✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2		0.277 ✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000 \pm	3	DS1	CO2		0.038 ✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
		7	DS1	CO2		0.568 ✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$		DS2	CO6		0.000 ✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
	5.320		DS4	CO16		0.000 ✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7		0.008 ✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	4.360		DS3	CO12		0.008 ✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.219 ✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
	5.320		DS3	CO12		0.218 ✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		DS4	CO17		0.016 ✓	SE2100.00	Serviceability Vibration in y-direction	
4.360		DS4	CO17		0.456 ✓	SE2200.00	Serviceability Vibration in z-direction	
20	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 \pm		DS1	CO1		0.000 ✓	SP0100.00	Section Proof Negligible internal forces
	3.400 $\frac{1}{2}$	1	DS1	CO2		0.012 ✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 \pm	1	DS1	CO2		0.009 ✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3		0.020 ✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2		0.391 ✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
1.000	2	DS1	CO2		0.008 ✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
20	1.000	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	2.440	1	DS1	CO5	0.003	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	3.400 1/2	1	DS1	CO5	0.291	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.967	7	DS1	CO4	0.037	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 1/2	3	DS1	CO2	0.857	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO1	0.281	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.761	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.014	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.014	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.525		DS2	CO7	0.348	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.347	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.029	✓	SE2100.00	Serviceability Vibration in y-direction
	5.525		DS4	CO17	0.730	✓	SE2200.00	Serviceability Vibration in z-direction
21	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 ∞		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 1/2	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 ∞	1	DS1	CO2	0.016	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.016	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO1	0.280	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 1/2	7	DS1	CO4	0.007	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.508	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	3	DS1	CO3	0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	9	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.156	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
22	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 1/2	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 ∞	1	DS1	CO2	0.048	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 3/4	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.064	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800 ∞	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	9	DS1	CO4	0.054	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2	0.279	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 ∞	1	DS1	CO2	0.035	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.567	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
23	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 1/2	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 ∞	1	DS1	CO2	0.048	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 1/4	2	DS1	CO2	0.010	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.064	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000 ∞	3	DS1	CO4	0.010	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	9	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.279	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000 ∞	1	DS1	CO2	0.047	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.567	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
23	4.360		DS2	CO7	0.222	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.221	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.015	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.464	✓	SE2200.00	Serviceability Vibration in z-direction
24	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 1/2	1	DS1	CO4	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.021	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.132	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.354	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	6.800	2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.000	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	2.440	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 1/2	7	DS1	CO3	0.470	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	1.000	7	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.615		DS2	CO7	0.230	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.229	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
	5.615		DS4	CO17	0.481	✓	SE2200.00	Serviceability Vibration in z-direction
25	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400 1/2	1	DS1	CO2	0.003	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.800	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO2	0.357	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.700 1/4	1	DS1	CO5	0.174	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.840	7	DS1	CO2	0.324	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	3	DS1	CO2	0.638	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.463	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.800		DS2	CO7	0.095	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.094	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.197	✓	SE2200.00	Serviceability Vibration in z-direction
26	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	1.000	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO2	0.388	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.100 3/4	1	DS1	CO5	0.171	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.960	7	DS1	CO2	0.389	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.000	3	DS1	CO2	0.503	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.515	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	3	DS1	CO2	0.002	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.501	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	2.440		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.144	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.301	✓	SE2200.00	Serviceability Vibration in z-direction
27	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	0.000	4	DS1	CO2	0.013	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 1/2	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.133	2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO2	0.388	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO4	0.001	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	0.567	1	DS1	CO2	0.317	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.840	7	DS1	CO2	0.389	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	3	DS1	CO2	0.503	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.515	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	1	DS1	CO2	0.007	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.501	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
27	0.000		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	4.360		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.144	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.301	✓	SE2200.00	Serviceability Vibration in z-direction
28	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.100	1	DS1	CO2	0.003	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.015	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO2	0.027	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.379	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400	2	DS1	CO2	0.005	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.000	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.950	3	DS1	CO2	0.234	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400	7	DS1	CO4	0.029	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.100	1	DS1	CO2	0.486	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO1	0.292	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		9	DS1	CO2	0.653	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.950		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.147	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.146	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.950		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.306	✓	SE2200.00	Serviceability Vibration in z-direction
29	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.017	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	3.915	1	DS1	CO4	0.041	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400	7	DS1	CO2	0.507	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	1	DS1	CO3	0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.163	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.163	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.342	✓	SE2200.00	Serviceability Vibration in z-direction
30	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.051	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800	1	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	7	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2	0.284	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	3	DS1	CO2	0.038	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400	7	DS1	CO2	0.564	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.237	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.236	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.494	✓	SE2200.00	Serviceability Vibration in z-direction
31	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.051	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
31	0.000	1	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	7	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.284	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	3	DS1	CO2	0.037	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400	7	DS1	CO2	0.564	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.237	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.236	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.494	✓	SE2200.00	Serviceability Vibration in z-direction
32	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.004	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.100	4	DS1	CO2	0.061	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.352	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.615	1	DS1	CO2	0.312	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	2.440	1	DS1	CO2	0.304	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400	7	DS1	CO2	0.636	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400	7	DS1	CO2	0.570	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.004	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.004	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.615		DS2	CO7	0.162	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.162	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
	5.615		DS4	CO17	0.340	✓	SE2200.00	Serviceability Vibration in z-direction
33	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.017	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO1	0.280	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.880	1	DS1	CO4	0.038	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400	7	DS1	CO2	0.507	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	3	DS1	CO3	0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	9	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.163	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.162	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.002	✓	SE2100.00	Serviceability Vibration in y-direction
	1.133		DS4	CO17	0.341	✓	SE2200.00	Serviceability Vibration in z-direction
34	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.050	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	9	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2	0.284	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	1	DS1	CO2	0.038	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400	9	DS1	CO2	0.565	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.236	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.235	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
34	1.515		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.493	✓	SE2200.00	Serviceability Vibration in z-direction
35	Beam 3 - R_M1 100/120 L: 6.800 m							
	3.400 1/2	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.050	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 1/4	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	9	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.284	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	1	DS1	CO2	0.034	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.565	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.236	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.235	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.493	✓	SE2200.00	Serviceability Vibration in z-direction
36	Beam 3 - R_M1 100/120 L: 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	6.800	1	DS1	CO2	0.014	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.100 3/4	4	DS1	CO2	0.080	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO2	0.625	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 1/2	7	DS1	CO2	0.503	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	1.000	7	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.950		DS2	CO7	0.144	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
37	Beam 3 - R_M1 100/120 L: 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400 1/2	1	DS1	CO2	0.003	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.800	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
38	Beam 3 - R_M1 100/120 L: 6.800 m							
	4.360	1	DS1	CO2	0.357	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.800	1	DS1	CO3	0.485	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		1	DS1	CO2	0.637	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.462	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.800		DS2	CO7	0.095	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
39	Beam 3 - R_M1 100/120 L: 6.800 m							
			DS3	CO12	0.094	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.197	✓	SE2200.00	Serviceability Vibration in z-direction
			DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	0.000		DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	1.000	1	DS1	CO2	0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO2	0.388	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.000	1	DS1	CO2	0.501	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 1/2	1	DS1	CO2	0.489	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
40	Beam 3 - R_M1 100/120 L: 6.800 m							
	1.000	7	DS1	CO2	0.516	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	1	DS1	CO2	0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.100 3/4	7	DS1	CO2	0.303	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	2.440		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.301	✓	SE2200.00	Serviceability Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
39	Beam 3 - R_M1 100/120 L : 6.800 m								
	6.800 \pm		DS1	CO4		0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2		0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2		0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO2		0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO2		0.388	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.800	1	DS1	CO2		0.501	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 $\frac{1}{2}$	1	DS1	CO2		0.489	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO2		0.516	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	1.700 $\frac{1}{4}$	7	DS1	CO2		0.303	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6		0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	4.360		DS2	CO7		0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.301	✓	SE2200.00	Serviceability Vibration in z-direction
40	Beam 3 - R_M1 100/120 L : 6.800 m								
	0.000 \pm		DS1	CO1		0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.100 $\frac{3}{4}$	1	DS1	CO2		0.003	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2		0.012	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
		4	DS1	CO2		0.039	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2		0.376	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.950	1	DS1	CO2		0.252	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.000	1	DS1	CO1		0.291	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.100 $\frac{3}{4}$	1	DS1	CO5		0.213	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		3	DS1	CO2		0.428	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2		0.442	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	1.000	9	DS1	CO2		0.649	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6		0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
2.440		DS2	CO7		0.124	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12		0.123	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
1.480		DS4	CO17		0.003	✓	SE2100.00	Serviceability Vibration in y-direction	
2.440		DS4	CO17		0.258	✓	SE2200.00	Serviceability Vibration in z-direction	
41	Beam 3 - R_M1 100/120 L : 6.800 m								
	6.800 \pm		DS1	CO1		0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 $\frac{1}{2}$	1	DS1	CO4		0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 \pm	1	DS1	CO2		0.016	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3		0.016	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2		0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5		0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO1		0.280	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 $\frac{1}{2}$	7	DS1	CO4		0.007	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		7	DS1	CO2		0.508	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	1	DS1	CO3		0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2		0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6		0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
1.133		DS2	CO7		0.160	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12		0.160	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
5.320		DS4	CO17		0.002	✓	SE2100.00	Serviceability Vibration in y-direction	
1.133		DS4	CO17		0.335	✓	SE2200.00	Serviceability Vibration in z-direction	
42	Beam 3 - R_M1 100/120 L : 6.800 m								
	3.400 $\frac{1}{2}$	1	DS1	CO4		0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 \pm	1	DS1	CO2		0.049	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3		0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2		0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 $\frac{3}{4}$	2	DS1	CO2		0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4		0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800 \pm	1	DS1	CO4		0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	7	DS1	CO4		0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2		0.282	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 \pm	3	DS1	CO2		0.037	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	7	DS1	CO2		0.566	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6		0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7		0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
		DS3	CO12		0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
2.440		DS2	CO7		0.230	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
42	2.440		DS3	CO12	0.229	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.479	✓	SE2200.00	Serviceability Vibration in z-direction
43	Beam 3 - R_M1 100/120 L: 6.800 m							
	3.400 1/2	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.049	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 1/4	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000	1	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	7	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.282	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	3	DS1	CO2	0.037	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.567	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.230	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.229	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.479	✓	SE2200.00	Serviceability Vibration in z-direction
44	Beam 3 - R_M1 100/120 L: 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 1/2	1	DS1	CO2	0.006	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.005	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.046	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.349	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.615	1	DS1	CO5	0.163	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.100 3/4	1	DS1	CO1	0.001	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	2.440	3	DS1	CO2	0.288	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.533 2/3	7	DS1	CO2	0.156	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.915	3	DS1	CO5	0.004	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	3.400 1/2	3	DS1	CO2	0.675	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.598	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.615		DS2	CO7	0.195	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.194	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
	5.615		DS4	CO17	0.408	✓	SE2200.00	Serviceability Vibration in z-direction
45	Beam 3 - R_M1 100/120 L: 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 1/2	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.016	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO1	0.280	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 1/2	7	DS1	CO4	0.007	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.508	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	3	DS1	CO3	0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	9	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.160	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.159	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	1.133		DS4	CO17	0.334	✓	SE2200.00	Serviceability Vibration in z-direction
46	Beam 3 - R_M1 100/120 L: 6.800 m							
	3.400 1/2	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.049	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
46	5.100 $\frac{3}{4}$	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800 \pm	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	9	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2	0.282	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 \pm	1	DS1	CO2	0.037	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	9	DS1	CO2	0.567	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.229	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.228	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.478	✓	SE2200.00	Serviceability Vibration in z-direction
47	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 $\frac{1}{2}$	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 \pm	1	DS1	CO2	0.049	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 $\frac{1}{4}$	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000 \pm	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	9	DS1	CO4	0.055	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.282	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000 \pm	1	DS1	CO2	0.037	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	9	DS1	CO2	0.567	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.229	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.228	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.478	✓	SE2200.00	Serviceability Vibration in z-direction
48	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 \pm		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 $\frac{1}{2}$	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 \pm	1	DS1	CO2	0.017	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO2	0.096	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	2.885	1	DS1	CO4	0.041	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO1	0.281	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		7	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.615		DS2	CO7	0.149	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.148	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.312	✓	SE2200.00	Serviceability Vibration in z-direction
49	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 \pm		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400 $\frac{1}{2}$	1	DS1	CO2	0.003	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.800	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO2	0.357	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.700 $\frac{1}{4}$	1	DS1	CO5	0.174	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.840	7	DS1	CO2	0.324	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	3	DS1	CO2	0.638	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	9	DS1	CO2	0.463	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.800		DS2	CO7	0.095	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.094	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.197	✓	SE2200.00	Serviceability Vibration in z-direction
50	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 \pm		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
50	1.000	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO2	0.388	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.100 3/4	1	DS1	CO5	0.171	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.960	7	DS1	CO2	0.390	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.000	3	DS1	CO2	0.502	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.516	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 ±	3	DS1	CO2	0.002	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.501	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ±		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	2.440		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.302	✓	SE2200.00	Serviceability Vibration in z-direction
51	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 ±		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.026	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO2	0.388	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.700 1/4	1	DS1	CO5	0.171	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.840	7	DS1	CO2	0.390	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	3	DS1	CO2	0.502	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.516	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	9	DS1	CO2	0.501	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ±		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	4.360		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.302	✓	SE2200.00	Serviceability Vibration in z-direction
52	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 ±		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.100 3/4	1	DS1	CO2	0.003	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.017	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.039	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.376	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 1/2	2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.950	1	DS1	CO3	0.212	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO2	0.237	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.100 3/4	1	DS1	CO5	0.224	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
		1	DS1	CO2	0.460	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO3	0.494	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		9	DS1	CO2	0.642	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ±		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	2.440		DS2	CO7	0.129	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.129	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.270	✓	SE2200.00	Serviceability Vibration in z-direction
53	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 ±		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 1/2	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 ±	1	DS1	CO2	0.017	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	3.880	1	DS1	CO4	0.038	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 1/2	7	DS1	CO2	0.506	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	1	DS1	CO3	0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ±		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.166	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.165	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.002	✓	SE2100.00	Serviceability Vibration in y-direction
	1.133		DS4	CO17	0.346	✓	SE2200.00	Serviceability Vibration in z-direction
54	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 1/2	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
54	6.800 \pm	1	DS1	CO2	0.051	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3	0.013	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 $\frac{3}{4}$	2	DS1	CO2	0.009	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800 \pm	1	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	7	DS1	CO4	0.056	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2	0.285	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 \pm	3	DS1	CO2	0.039	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	7	DS1	CO2	0.564	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.242	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.241	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.505	✓	SE2200.00	Serviceability Vibration in z-direction
55	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 $\frac{1}{2}$	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 \pm	1	DS1	CO2	0.051	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3	0.013	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 $\frac{1}{4}$	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000 \pm	1	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	7	DS1	CO4	0.056	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.285	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000 \pm	3	DS1	CO2	0.037	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	7	DS1	CO2	0.564	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.242	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.241	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.505	✓	SE2200.00	Serviceability Vibration in z-direction
56	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 \pm		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 $\frac{1}{2}$	1	DS1	CO2	0.006	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 \pm	1	DS1	CO2	0.005	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.100 $\frac{3}{4}$	4	DS1	CO2	0.068	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.349	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.005	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.525	1	DS1	CO3	0.257	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.615	3	DS1	CO3	0.305	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.585	7	DS1	CO2	0.145	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 $\frac{1}{2}$	1	DS1	CO2	0.663	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO1	0.281	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		9	DS1	CO2	0.626	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.011	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.615		DS2	CO7	0.186	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.185	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.023	✓	SE2100.00	Serviceability Vibration in y-direction
	5.615		DS4	CO17	0.389	✓	SE2200.00	Serviceability Vibration in z-direction
57	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 \pm		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 $\frac{1}{2}$	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 \pm	1	DS1	CO2	0.018	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.360	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	3.915	1	DS1	CO4	0.040	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO1	0.281	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		9	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'





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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
57	0.000		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.168	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.167	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.351	✓	SE2200.00	Serviceability Vibration in z-direction
58	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.052	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	9	DS1	CO4	0.056	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.615	1	DS1	CO2	0.287	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	1	DS1	CO2	0.038	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400	9	DS1	CO2	0.562	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.245	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.244	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.015	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.512	✓	SE2200.00	Serviceability Vibration in z-direction
59	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400	1	DS1	CO4	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.052	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400	4	DS1	CO3	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.065	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	9	DS1	CO4	0.056	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.287	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	1	DS1	CO2	0.036	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400	9	DS1	CO2	0.562	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.245	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.244	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.015	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.512	✓	SE2200.00	Serviceability Vibration in z-direction
60	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	6.800	1	DS1	CO2	0.013	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.100	4	DS1	CO2	0.066	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.358	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	6.800	2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.000	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.515	1	DS1	CO2	0.003	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	1.000	3	DS1	CO2	0.630	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
		7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400	7	DS1	CO2	0.546	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.615		DS2	CO7	0.184	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.183	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	5.615		DS4	CO17	0.384	✓	SE2200.00	Serviceability Vibration in z-direction
61	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400	1	DS1	CO2	0.003	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.800	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
61	4.840	1	DS1	CO3	0.240	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	4.360	1	DS1	CO2	0.358	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.800	1	DS1	CO2	0.642	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.466	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.800		DS2	CO7	0.095	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.095	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
	5.800		DS4	CO17	0.197	✓	SE2200.00	Serviceability Vibration in z-direction
62	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	1.000	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.027	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.960	1	DS1	CO3	0.292	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	4.585	1	DS1	CO1	0.002	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	2.440	1	DS1	CO2	0.389	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.960	7	DS1	CO2	0.389	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.000	1	DS1	CO2	0.508	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.514	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	1	DS1	CO2	0.008	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.504	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.002	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.002	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.144	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.301	✓	SE2200.00	Serviceability Vibration in z-direction
63	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.027	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO2	0.347	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.840	1	DS1	CO3	0.292	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	2.215	1	DS1	CO1	0.002	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	4.360	1	DS1	CO2	0.389	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.840	7	DS1	CO2	0.389	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	5.800	1	DS1	CO2	0.508	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO2	0.514	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	1	DS1	CO2	0.006	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.504	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.002	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.002	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.144	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.301	✓	SE2200.00	Serviceability Vibration in z-direction
64	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	1.000	1	DS1	CO2	0.011	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.003	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.967	4	DS1	CO2	0.031	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.374	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.004	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.950	1	DS1	CO2	0.286	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.100 3/4	3	DS1	CO5	0.195	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
		1	DS1	CO5	0.191	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.000	1	DS1	CO2	0.678	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		7	DS1	CO1	0.281	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
		9	DS1	CO2	0.626	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
64	0.000		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.116	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.115	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.017	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.241	✓	SE2200.00	Serviceability Vibration in z-direction
65	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 ½	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.015	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 ½	4	DS1	CO3	0.016	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO3	0.477	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 ½	7	DS1	CO4	0.007	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	4.840	1	DS1	CO2	0.310	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	1	DS1	CO3	0.001	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2	0.626	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.133		DS2	CO7	0.143	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.142	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	1.133		DS4	CO17	0.298	✓	SE2200.00	Serviceability Vibration in z-direction
66	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 ½	1	DS1	CO4	0.004	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.045	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 ½	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.358	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 ¾	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.063	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800	1	DS1	CO4	0.007	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	7	DS1	CO4	0.053	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.667	1	DS1	CO2	0.299	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	3	DS1	CO2	0.030	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.570	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.197	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.196	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.014	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.410	✓	SE2200.00	Serviceability Vibration in z-direction
67	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 ½	1	DS1	CO4	0.004	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.045	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 ½	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.358	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 ¼	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.063	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000	1	DS1	CO4	0.007	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	7	DS1	CO4	0.053	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.185	1	DS1	CO2	0.270	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	3	DS1	CO2	0.032	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.570	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.197	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.196	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.014	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.410	✓	SE2200.00	Serviceability Vibration in z-direction
68	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 ½	1	DS1	CO2	0.007	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
68	6.800 \pm	1	DS1	CO2	0.005	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	2.920	4	DS1	CO2	0.037	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.352	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.020	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.480	1	DS1	CO4	0.004	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	2.440	3	DS1	CO2	0.308	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	4.533 $\frac{2}{3}$	7	DS1	CO2	0.148	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.515	3	DS1	CO1	0.027	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	3.400 $\frac{1}{2}$	3	DS1	CO2	0.728	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.950	1	DS1	CO5	0.206	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	1.000	7	DS1	CO2	0.631	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.042	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.042	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.615		DS2	CO7	0.184	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.184	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.088	✓	SE2100.00	Serviceability Vibration in y-direction
	5.615		DS4	CO17	0.386	✓	SE2200.00	Serviceability Vibration in z-direction
69	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 \pm		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	0.000 \pm	1	DS1	CO2	0.009	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3	0.017	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 $\frac{1}{2}$	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.285	1	DS1	CO3	0.003	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	5.800	1	DS1	CO2	0.627	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.567	1	DS1	CO2	0.362	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.800	9	DS1	CO2	0.627	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	1.133		DS2	CO7	0.132	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.131	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
	1.133		DS4	CO17	0.275	✓	SE2200.00	Serviceability Vibration in z-direction
70	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 $\frac{1}{2}$	1	DS1	CO4	0.004	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800 \pm	1	DS1	CO2	0.039	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.358	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 $\frac{3}{4}$	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.062	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800 \pm	3	DS1	CO4	0.007	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	9	DS1	CO4	0.052	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.667	1	DS1	CO2	0.289	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800 \pm	1	DS1	CO2	0.036	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	9	DS1	CO2	0.574	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.184	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.183	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.017	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.383	✓	SE2200.00	Serviceability Vibration in z-direction
71	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 $\frac{1}{2}$	1	DS1	CO4	0.004	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 \pm	1	DS1	CO2	0.039	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 $\frac{1}{2}$	4	DS1	CO3	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.358	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 $\frac{1}{4}$	2	DS1	CO2	0.009	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.062	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000 \pm	3	DS1	CO4	0.008	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	9	DS1	CO4	0.052	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.133	1	DS1	CO2	0.289	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000 \pm	1	DS1	CO2	0.037	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	9	DS1	CO2	0.574	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description		
					Ratio η [-]					
71	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	5.320		DS2	CO7	0.008	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.008	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	4.360		DS2	CO7	0.184	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.183	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	5.320		DS4	CO17	0.017	✓	SE2100.00	Serviceability	Vibration in y-direction	
4.360		DS4	CO17	0.383	✓	SE2200.00	Serviceability	Vibration in z-direction		
72	Beam 3 - R_M1 100/120 L : 6.800 m									
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof	Negligible internal forces	
	3.400	1	DS1	CO4	0.002	✓	SP1100.00	Section Proof	Tension along grain acc. to 6.1.2	
	6.800	1	DS1	CO2	0.028	✓	SP1200.00	Section Proof	Compression along grain acc. to 6.1.4	
	5.100	4	DS1	CO2	0.216	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	1.000	4	DS1	CO2	0.376	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	3.400	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.500	1	DS1	CO1	0.077	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	1.000	3	DS1	CO5	0.161	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	3.967	7	DS1	CO4	0.056	✓	SP5100.00	Section Proof	Bending about y-axis and tensile axial force acc. to 6.2.3	
	1.000	9	DS1	CO4	0.059	✓	SP5300.00	Section Proof	Biaxial bending and tensile axial force acc. to 6.2.3	
		7	DS1	CO2	0.614	✓	SP6100.00	Section Proof	Bending about y-axis and compressive axial force acc. to 6.2.4	
	1.480	3	DS1	CO5	0.003	✓	SP6200.00	Section Proof	Bending about z-axis and compressive axial force acc. to 6.2.4	
	1.000	7	DS1	CO2	0.637	✓	SP6300.00	Section Proof	Biaxial bending and compressive axial force acc. to 6.2.4	
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	1.515		DS2	CO7	0.008	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.008	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	2.440		DS2	CO7	0.172	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.172	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	1.515		DS4	CO17	0.016	✓	SE2100.00	Serviceability	Vibration in y-direction	
	2.440		DS4	CO17	0.361	✓	SE2200.00	Serviceability	Vibration in z-direction	
73	Beam 3 - R_M1 100/120 L : 6.800 m									
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof	Negligible internal forces	
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof	Tension along grain acc. to 6.1.2	
	3.400	1	DS1	CO2	0.003	✓	SP1200.00	Section Proof	Compression along grain acc. to 6.1.4	
	5.800	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	3.400	2	DS1	CO2	0.012	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	5.800	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	4.360	3	DS1	CO2	0.362	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	5.800	3	DS1	CO2	0.661	✓	SP5300.00	Section Proof	Biaxial bending and tensile axial force acc. to 6.2.3	
		7	DS1	CO1	0.281	✓	SP6100.00	Section Proof	Bending about y-axis and compressive axial force acc. to 6.2.4	
		7	DS1	CO2	0.627	✓	SP6300.00	Section Proof	Biaxial bending and compressive axial force acc. to 6.2.4	
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	5.320		DS2	CO7	0.012	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.012	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	5.800		DS2	CO7	0.096	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.095	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	5.320		DS4	CO17	0.025	✓	SE2100.00	Serviceability	Vibration in y-direction	
	5.800		DS4	CO17	0.198	✓	SE2200.00	Serviceability	Vibration in z-direction	
74	Beam 3 - R_M1 100/120 L : 6.800 m									
	0.000		DS1	CO4	0.000	✓	SP0100.00	Section Proof	Negligible internal forces	
	1.000	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof	Tension along grain acc. to 6.1.2	
		1	DS1	CO2	0.025	✓	SP1200.00	Section Proof	Compression along grain acc. to 6.1.4	
	3.400	4	DS1	CO2	0.011	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
		4	DS1	CO2	0.348	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
		2	DS1	CO2	0.013	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	1.960	1	DS1	CO5	0.093	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	6.800	1	DS1	CO4	0.004	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6	
	2.440	3	DS1	CO2	0.395	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	3.400	3	DS1	CO2	0.523	✓	SP5300.00	Section Proof	Biaxial bending and tensile axial force acc. to 6.2.3	
	1.000	7	DS1	CO1	0.235	✓	SP6100.00	Section Proof	Bending about y-axis and compressive axial force acc. to 6.2.4	
	6.800	3	DS1	CO2	0.036	✓	SP6200.00	Section Proof	Bending about z-axis and compressive axial force acc. to 6.2.4	
	1.000	7	DS1	CO2	0.525	✓	SP6300.00	Section Proof	Biaxial bending and compressive axial force acc. to 6.2.4	
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	1.480		DS2	CO7	0.009	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.009	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	2.440		DS2	CO7	0.146	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.145	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	1.480		DS4	CO17	0.019	✓	SE2100.00	Serviceability	Vibration in y-direction	



Model:

VDC Kranj - statična preverba
strehe

Project:

VDC Kranj - statična preverba
strehe

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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
74	2.440		DS4	CO17	0.303	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 3 - R_M1 100/120 L : 6.800 m								
75	6.800	1	DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.005	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.025	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.133	4	DS1	CO2	0.013	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 1/2	4	DS1	CO2	0.348	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.013	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.840	1	DS1	CO5	0.093	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO4	0.004	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	4.360	3	DS1	CO2	0.395	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 1/2	3	DS1	CO2	0.523	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO1	0.235	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	3	DS1	CO2	0.032	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2	0.525	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.146	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.019	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.303	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 3 - R_M1 100/120 L : 6.800 m								
76	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.100 3/4	1	DS1	CO2	0.003	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.014	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.000	4	DS1	CO2	0.407	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 1/2	2	DS1	CO2	0.004	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.000	1	DS1	CO1	0.286	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.525	3	DS1	CO1	0.179	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.100 3/4	3	DS1	CO2	0.958	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.960	1	DS1	CO2	0.464	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.100 3/4	9	DS1	CO2	1.006	!	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.950		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.100 3/4		DS2	CO7	0.340	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.339	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.950		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	5.100 3/4		DS4	CO17	0.712	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 3 - R_M1 100/120 L : 6.800 m								
77	6.800	1	DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 1/2	1	DS1	CO4	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.023	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	2.125	4	DS1	CO3	0.020	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.359	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.700 1/4	1	DS1	CO4	0.006	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.915	1	DS1	CO4	0.043	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 1/2	7	DS1	CO3	0.433	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2	0.629	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.185		DS2	CO7	0.253	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.253	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.531	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 3 - R_M1 100/120 L : 6.800 m								
78	3.400 1/2	1	DS1	CO4	0.009	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.070	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 1/2	4	DS1	CO5	0.017	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.368	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 3/4	2	DS1	CO2	0.015	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.074	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800	1	DS1	CO4	0.015	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	6.233	7	DS1	CO4	0.068	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	3.400 1/2	7	DS1	CO5	0.197	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	3	DS1	CO2	0.070	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
78	3.400 ½	7	DS1	CO2	0.577	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.515		DS2	CO7	0.011	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.368	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.367	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.515		DS4	CO17	0.023	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.769	✓	SE2200.00	Serviceability Vibration in z-direction
79	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 ½	1	DS1	CO4	0.009	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.070	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.700 ¼	4	DS1	CO2	0.020	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 ½	4	DS1	CO2	0.368	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 ¼	2	DS1	CO2	0.014	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.074	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000	1	DS1	CO4	0.015	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	0.567	7	DS1	CO4	0.068	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	3.400 ½	7	DS1	CO5	0.197	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	3	DS1	CO2	0.067	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 ½	7	DS1	CO2	0.577	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.285		DS2	CO7	0.011	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.368	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.367	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.285		DS4	CO17	0.023	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.769	✓	SE2200.00	Serviceability Vibration in z-direction
80	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 ½	1	DS1	CO4	0.003	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.043	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	3.400 ½	4	DS1	CO2	0.249	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.000	4	DS1	CO2	0.365	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 ½	2	DS1	CO2	0.010	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.500	1	DS1	CO1	0.077	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.000	1	DS1	CO5	0.161	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.950	7	DS1	CO4	0.068	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO4	0.058	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	2.440	1	DS1	CO1	0.171	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.967	1	DS1	CO2	0.011	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	1.000	9	DS1	CO2	0.636	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.014	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.014	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.148	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.148	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.030	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.310	✓	SE2200.00	Serviceability Vibration in z-direction
81	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 ½	1	DS1	CO4	0.003	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.046	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	2.125	4	DS1	CO5	0.010	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.356	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 ¼	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO5	0.160	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.133	1	DS1	CO4	0.070	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	2.550	7	DS1	CO4	0.064	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	2.215	7	DS1	CO4	0.063	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	4.360	1	DS1	CO2	0.316	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	5.285	1	DS1	CO1	0.004	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	5.800	7	DS1	CO2	0.630	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.006	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.006	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	1.185		DS2	CO7	0.310	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
81	1.185		DS3	CO12	0.310	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.013	✓	SE2100.00	Serviceability Vibration in y-direction
	1.185		DS4	CO17	0.651	✓	SE2200.00	Serviceability Vibration in z-direction
82	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 1/2	1	DS1	CO4	0.011	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.097	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.000	1	DS1	CO3	0.000	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 1/2	4	DS1	CO2	0.372	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	5.100 3/4	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	2.440	1	DS1	CO4	0.080	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	6.800	3	DS1	CO4	0.011	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	5.667	9	DS1	CO4	0.078	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.960	1	DS1	CO2	0.450	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	6.800	1	DS1	CO2	0.045	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.597	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	6.233		DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	2.440		DS2	CO7	0.409	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.407	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	6.233		DS4	CO17	0.011	✓	SE2100.00	Serviceability Vibration in y-direction
	2.440		DS4	CO17	0.856	✓	SE2200.00	Serviceability Vibration in z-direction
83	Beam 3 - R_M1 100/120 L : 6.800 m							
	3.400 1/2	1	DS1	CO4	0.011	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	1	DS1	CO2	0.097	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.700 1/4	4	DS1	CO2	0.010	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 1/2	4	DS1	CO2	0.372	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.700 1/4	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	4.360	1	DS1	CO4	0.080	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.000	3	DS1	CO4	0.011	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	1.133	9	DS1	CO4	0.078	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	4.840	1	DS1	CO2	0.450	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	0.000	1	DS1	CO2	0.043	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.596	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.567		DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.360		DS2	CO7	0.409	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.408	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.567		DS4	CO17	0.010	✓	SE2100.00	Serviceability Vibration in y-direction
	4.360		DS4	CO17	0.856	✓	SE2200.00	Serviceability Vibration in z-direction
84	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 1/2	1	DS1	CO2	0.013	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	6.800	1	DS1	CO2	0.009	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.100 3/4	4	DS1	CO2	0.096	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 1/2	4	DS1	CO2	0.400	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.000	2	DS1	CO2	0.040	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.500	1	DS1	CO1	0.077	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	3.400 1/2	3	DS1	CO5	0.323	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.967	7	DS1	CO4	0.037	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	3.400 1/2	1	DS1	CO2	0.950	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	6.375	1	DS1	CO4	0.055	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 1/2	7	DS1	CO2	0.859	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.083	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.083	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.525		DS2	CO7	0.368	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.367	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.173	✓	SE2100.00	Serviceability Vibration in y-direction
	5.525		DS4	CO17	0.771	✓	SE2200.00	Serviceability Vibration in z-direction
85	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	3.400 1/2	1	DS1	CO2	0.002	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	0.000	4	DS1	CO2	0.037	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	5.800	4	DS1	CO2	0.185	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
85	3.400 $\frac{1}{2}$	2	DS1	CO2	0.050	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO1	0.147	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.285	1	DS1	CO5	0.020	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	1.700 $\frac{1}{4}$	3	DS1	CO3	0.266	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	5.800	1	DS1	CO2	0.410	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
		9	DS1	CO2	0.320	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.048	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.047	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.800		DS2	CO7	0.047	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.047	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.100	✓	SE2100.00	Serviceability Vibration in y-direction
	5.800		DS4	CO17	0.099	✓	SE2200.00	Serviceability Vibration in z-direction
86	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 ∞		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	1.000	1	DS1	CO2	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.008	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	5.667	4	DS1	CO2	0.037	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 $\frac{1}{2}$	4	DS1	CO2	0.179	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.051	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.000	1	DS1	CO4	0.028	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	6.800 ∞	1	DS1	CO5	0.081	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	5.100 $\frac{3}{4}$	3	DS1	CO3	0.264	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 $\frac{1}{2}$	1	DS1	CO2	0.389	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	1.000	7	DS1	CO1	0.132	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	7	DS1	CO2	0.340	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	1.480		DS2	CO7	0.041	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.041	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	1.960		DS2	CO7	0.079	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.079	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.086	✓	SE2100.00	Serviceability Vibration in y-direction
	1.960		DS4	CO17	0.165	✓	SE2200.00	Serviceability Vibration in z-direction
87	Beam 3 - R_M1 100/120 L : 6.800 m							
	6.800 ∞		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	5.800	1	DS1	CO2	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		1	DS1	CO2	0.008	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.133	4	DS1	CO2	0.047	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	3.400 $\frac{1}{2}$	4	DS1	CO2	0.179	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.051	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	5.800	1	DS1	CO4	0.028	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 ∞	1	DS1	CO5	0.078	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	1.700 $\frac{1}{4}$	3	DS1	CO3	0.264	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	3.400 $\frac{1}{2}$	1	DS1	CO2	0.389	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	5.800	7	DS1	CO1	0.132	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	3.400 $\frac{1}{2}$	7	DS1	CO2	0.340	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	5.320		DS2	CO7	0.041	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.041	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	4.840		DS2	CO7	0.079	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.079	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	5.320		DS4	CO17	0.086	✓	SE2100.00	Serviceability Vibration in y-direction
	4.840		DS4	CO17	0.166	✓	SE2200.00	Serviceability Vibration in z-direction
88	Beam 3 - R_M1 100/120 L : 6.800 m							
	0.000 ∞		DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	3.400 $\frac{1}{2}$	1	DS1	CO2	0.032	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	5.100 $\frac{3}{4}$	1	DS1	CO4	0.002	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.000	4	DS1	CO2	0.076	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.182	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	3.400 $\frac{1}{2}$	2	DS1	CO2	0.017	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.000	1	DS1	CO5	0.084	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	5.950	3	DS1	CO2	0.304	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.000	3	DS1	CO2	0.417	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	2.440	7	DS1	CO4	0.033	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	1.000	9	DS1	CO2	0.321	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	0.000 ∞		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
88	1.480		DS2	CO7	0.022	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.022	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	5.525		DS2	CO7	0.176	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.175	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	1.480		DS4	CO17	0.046	✓	SE2100.00	Serviceability	Vibration in y-direction
	5.525		DS4	CO17	0.364	✓	SE2200.00	Serviceability	Vibration in z-direction
89	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030	4	DS1	CO2	0.272	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.630	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
	0.618		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.136	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.135	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.043	✓	SE2200.00	Serviceability	Vibration in z-direction
90	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000	1	DS1	CO2	0.000	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.458	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.047	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO4	0.020	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.721	1	DS1	CO1	0.011	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	0.515	1	DS1	CO2	0.701	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
	0.309		DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.824		DS2	CO7	0.038	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.038	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.309		DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
0.824		DS4	CO17	0.012	✓	SE2200.00	Serviceability	Vibration in z-direction	
91	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030	4	DS1	CO2	0.088	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.257	1	DS1	CO2	0.579	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
	0.515		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.027	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.027	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.271	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.270	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability	Vibration in y-direction
		DS4	CO17	0.086	✓	SE2200.00	Serviceability	Vibration in z-direction	
92	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030	4	DS1	CO2	0.531	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.040	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1	0.027	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.007	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
	0.644		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.721		DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.124	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
	0.644		DS3	CO12	0.124	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
0.721		DS4	CO17	0.040	✓	SE2200.00	Serviceability	Vibration in z-direction	
93	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000	4	DS1	CO2	0.505	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.028	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.618	1	DS1	CO4	0.010	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.988	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
	0.386		DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.011	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.011	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.138	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.138	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction
0.309		DS4	CO17	0.044	✓	SE2200.00	Serviceability	Vibration in z-direction	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
94	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000 \nless	4	DS1	CO2	<div></div>	0.061 \checkmark	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	<div></div>	0.444 \checkmark	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \nless		DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.019 \checkmark	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.019 \checkmark	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.214 \checkmark	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.214 \checkmark	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.006 \checkmark	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	<div></div>	0.068 \checkmark	SE2200.00	Serviceability Vibration in z-direction
95	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030 \nless	4	DS1	CO2	<div></div>	0.487 \checkmark	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \nless	2	DS1	CO2	<div></div>	0.030 \checkmark	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO5	<div></div>	0.012 \checkmark	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \nless	1	DS1	CO2	<div></div>	0.913 \checkmark	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \nless		DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	<div></div>	0.011 \checkmark	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.011 \checkmark	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.115 \checkmark	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.115 \checkmark	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.004 \checkmark	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	<div></div>	0.036 \checkmark	SE2200.00	Serviceability Vibration in z-direction
	96	Beam 4 - R_M1 140/160 L : 1.030 m						
0.000 \nless		4	DS1	CO2	<div></div>	0.494 \checkmark	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
1.030 \nless		2	DS1	CO2	<div></div>	0.033 \checkmark	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
0.721		1	DS1	CO5	<div></div>	0.016 \checkmark	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
0.000 \nless		1	DS1	CO2	<div></div>	0.918 \checkmark	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability Negligible deflection of vibration
0.309			DS2	CO7	<div></div>	0.012 \checkmark	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.012 \checkmark	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.111 \checkmark	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.111 \checkmark	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.004 \checkmark	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	<div></div>	0.035 \checkmark	SE2200.00	Serviceability Vibration in z-direction
97		Beam 4 - R_M1 140/160 L : 1.030 m						
	1.030 \nless	4	DS1	CO2	<div></div>	0.054 \checkmark	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	<div></div>	0.477 \checkmark	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \nless		DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.021 \checkmark	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.021 \checkmark	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.229 \checkmark	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.229 \checkmark	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.007 \checkmark	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	<div></div>	0.073 \checkmark	SE2200.00	Serviceability Vibration in z-direction
98	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030 \nless	4	DS1	CO2	<div></div>	0.498 \checkmark	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \nless	2	DS1	CO2	<div></div>	0.033 \checkmark	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO5	<div></div>	0.014 \checkmark	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \nless	1	DS1	CO2	<div></div>	0.933 \checkmark	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \nless		DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	<div></div>	0.012 \checkmark	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.012 \checkmark	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.116 \checkmark	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.116 \checkmark	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		DS4	CO17	<div></div>	0.004 \checkmark	SE2100.00	Serviceability Vibration in y-direction	
		DS4	CO17	<div></div>	0.037 \checkmark	SE2200.00	Serviceability Vibration in z-direction	
99	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000 \nless	4	DS1	CO2	<div></div>	0.495 \checkmark	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 \nless	2	DS1	CO2	<div></div>	0.031 \checkmark	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO5	<div></div>	0.012 \checkmark	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \nless	1	DS1	CO2	<div></div>	0.931 \checkmark	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6





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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
99	0.000 \pm		DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.309		DS2	CO7	0.012	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.012	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
		DS2	CO7	0.117	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	0.117	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction	
		DS4	CO17	0.037	✓	SE2200.00	Serviceability	Vibration in z-direction	
100	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	0.054	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	0.462	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
	0.515 $\frac{1}{2}$		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.020	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
		DS3	CO12	0.020	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
		DS2	CO7	0.223	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	0.222	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.006	✓	SE2100.00	Serviceability	Vibration in y-direction	
		DS4	CO17	0.071	✓	SE2200.00	Serviceability	Vibration in z-direction	
101	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	0.497	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	0.031	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO5	0.011	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO2	0.943	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
	0.721		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.012	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
		DS3	CO12	0.012	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
		DS2	CO7	0.121	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	0.121	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction	
		DS4	CO17	0.039	✓	SE2200.00	Serviceability	Vibration in z-direction	
102	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 \pm	4	DS1	CO2	0.504	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	2	DS1	CO2	0.034	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO5	0.014	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2	0.947	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.309		DS2	CO7	0.013	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
		DS2	CO7	0.118	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	0.118	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction	
		DS4	CO17	0.037	✓	SE2200.00	Serviceability	Vibration in z-direction	
103	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 \pm	4	DS1	CO2	0.060	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	0.491	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
		0.515 $\frac{1}{2}$		DS2	CO7	0.022	✓	SE1100.01	Serviceability
		DS3	CO12	0.022	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
		DS2	CO7	0.236	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	0.236	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction	
		DS4	CO17	0.075	✓	SE2200.00	Serviceability	Vibration in z-direction	
104	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	0.488	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	0.035	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO4	0.008	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.386	1	DS1	CO1	0.002	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO2	0.882	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
		0.721		DS2	CO7	0.013	✓	SE1100.01	Serviceability
		DS3	CO12	0.013	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
		DS2	CO7	0.098	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
104	0.721		DS3	CO12	0.097	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.031	✓	SE2200.00	Serviceability Vibration in z-direction
105	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	4	DS1	CO2	0.465	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.025	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.644	1	DS1	CO1	0.018	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.864	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.309		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.110	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.109	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.035	✓	SE2200.00	Serviceability Vibration in z-direction
106	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	4	DS1	CO2	0.084	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.392	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.015	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.015	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.186	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.186	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.059	✓	SE2200.00	Serviceability Vibration in z-direction
107	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	4	DS1	CO2	0.529	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.019	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.101	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.131	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.197	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.196	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.063	✓	SE2200.00	Serviceability Vibration in z-direction
108	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	4	DS1	CO2	0.619	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.060	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.079	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.199	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.026	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.026	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.144	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.144	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.008	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.046	✓	SE2200.00	Serviceability Vibration in z-direction
109	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	4	DS1	CO2	0.178	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.011	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.955	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.044	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.044	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.384	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.383	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.014	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.122	✓	SE2200.00	Serviceability Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
110	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	6	DS1	CO2		0.014 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2		0.362 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2		0.084 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO1		0.276 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO5		0.043 \checkmark	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2		0.958 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.721		DS2	CO7		0.026 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.026 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.412		DS2	CO7		0.254 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.254 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.721		DS4	CO17		0.008 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
	0.412		DS4	CO17		0.081 \checkmark	SE2200.00	Serviceability	Vibration in z-direction
111	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	6	DS1	CO2		0.024 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2		0.269 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO3		0.515 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
		1	DS1	CO2		0.623 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.618		DS2	CO7		0.134 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.133 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.042 \checkmark	SE2200.00	Serviceability	Vibration in z-direction
	112	Beam 4 - R_M1 140/160 L : 1.030 m							
1.030 \pm		6	DS1	CO3		0.028 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
0.000 \pm		4	DS1	CO2		0.452 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.050 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
0.927		1	DS1	CO4		0.007 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
0.515 $\frac{1}{2}$		1	DS1	CO1		0.011 \checkmark	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
0.000 \pm		1	DS1	CO2		0.698 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
0.309			DS2	CO7		0.016 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.016 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
0.824			DS2	CO7		0.038 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.038 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
0.309		DS4	CO17		0.005 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
0.824		DS4	CO17		0.012 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
113	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	4	DS1	CO2		0.088 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.003 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.412	1	DS1	CO4		0.010 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.257 $\frac{1}{4}$	1	DS1	CO2		0.573 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7		0.028 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.028 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.268 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.267 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		DS4	CO17		0.009 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
		DS4	CO17		0.085 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
114	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.644	6	DS1	CO3		0.025 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2		0.521 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.042 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1		0.028 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO2		0.990 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7		0.016 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.016 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7		0.121 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.121 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17		0.005 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
0.721		DS4	CO17		0.038 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Description	
					Ratio η [–]		Type	
115	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.129	6	DS1	CO3	0.021	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.493	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.029	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO4	0.015	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO2	0.968	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.386	DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
		DS2	CO7	0.011	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
		DS3	CO12	0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
		DS2	CO7	0.136	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	0.135	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction	
		DS4	CO17	0.043	✓	SE2200.00	Serviceability Vibration in z-direction	
116	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	4	DS1	CO2	0.062	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.618	2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO4	0.006	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.432	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
		DS2	CO7	0.019	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
	0.515	1/2	DS3	CO12	0.019	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.208	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.208	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.066	✓	SE2200.00	Serviceability Vibration in z-direction
			117	Beam 4 - R_M1 140/160 L : 1.030 m				
0.773	6	DS1		CO3	0.021	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
1.030	4	DS1		CO2	0.474	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	2	DS1		CO2	0.031	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1	DS1		CO4	0.012	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1	DS1		CO2	0.890	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
0.000	DS2	CO6		0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
	DS3	CO11		0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
	DS4	CO16		0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
	DS2	CO7		0.011	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
	DS3	CO12		0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	DS2	CO7		0.111	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
	DS3	CO12		0.111	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	DS4	CO17		0.004	✓	SE2100.00	Serviceability Vibration in y-direction	
	DS4	CO17		0.035	✓	SE2200.00	Serviceability Vibration in z-direction	
118	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.258	6	DS1	CO3	0.022	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.481	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.035	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.206	1	DS1	CO4	0.008	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO2	0.896	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000	DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
		DS2	CO7	0.013	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
		DS3	CO12	0.012	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
		DS2	CO7	0.108	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	0.107	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction	
		DS4	CO17	0.034	✓	SE2200.00	Serviceability Vibration in z-direction	
119	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	4	DS1	CO2	0.055	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515	1	DS1	CO4	0.007	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO2	0.467	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000	DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
		DS2	CO7	0.021	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
	0.515	1/2	DS3	CO12	0.021	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.224	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.224	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.071	✓	SE2200.00	Serviceability Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
120	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.773 $\frac{3}{4}$	6	DS1	CO3		0.021 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 $\frac{3}{4}$	4	DS1	CO2		0.485 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.034 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.824	1	DS1	CO4		0.008 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 $\frac{3}{4}$	1	DS1	CO2		0.912 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 $\frac{3}{4}$		DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.721		DS2	CO7		0.013 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.012 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.112 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.112 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.004 ✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17		0.036 ✓	SE2200.00	Serviceability	Vibration in z-direction
121	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.258 $\frac{1}{4}$	6	DS1	CO3		0.022 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 $\frac{1}{4}$	4	DS1	CO2		0.482 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.033 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.103	1	DS1	CO4		0.010 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 $\frac{1}{4}$	1	DS1	CO2		0.909 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.309		DS2	CO7		0.012 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.012 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.114 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.114 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.004 ✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17		0.036 ✓	SE2200.00	Serviceability	Vibration in z-direction
122	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 $\frac{3}{4}$	4	DS1	CO2		0.054 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO4		0.006 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
		1	DS1	CO2		0.451 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 $\frac{3}{4}$		DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7		0.020 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.020 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.217 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.217 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.006 ✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17		0.069 ✓	SE2200.00	Serviceability	Vibration in z-direction
123	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.773 $\frac{3}{4}$	6	DS1	CO3		0.022 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 $\frac{3}{4}$	4	DS1	CO2		0.485 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.032 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO5		0.014 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 $\frac{3}{4}$	1	DS1	CO2		0.922 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 $\frac{3}{4}$		DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.721		DS2	CO7		0.012 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.012 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.118 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.118 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.004 ✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17		0.038 ✓	SE2200.00	Serviceability	Vibration in z-direction
124	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.258 $\frac{1}{4}$	6	DS1	CO3		0.021 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 $\frac{1}{4}$	4	DS1	CO2		0.492 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.036 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO5		0.019 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 $\frac{1}{4}$	1	DS1	CO2		0.927 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7		0.013 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.013 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7		0.115 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.114 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17		0.004 ✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17		0.036 ✓	SE2200.00	Serviceability	Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
125	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 ∇	4	DS1	CO2		0.061 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.618	1	DS1	CO4		0.008 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.515 $\frac{1}{2}$	1	DS1	CO2		0.482 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 ∇		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7		0.022 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.022 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.231 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.231 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.007 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17		0.074 \checkmark	SE2200.00	Serviceability	Vibration in z-direction
126	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.644	6	DS1	CO3		0.021 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 ∇	4	DS1	CO2		0.475 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.037 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.000 ∇	1	DS1	CO4		0.006 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 ∇	1	DS1	CO2		0.856 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 ∇		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.721		DS2	CO7		0.013 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.013 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.093 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.093 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.004 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17		0.030 \checkmark	SE2200.00	Serviceability	Vibration in z-direction
	127	Beam 4 - R_M1 140/160 L : 1.030 m							
0.129		6	DS1	CO3		0.021 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
0.000 ∇		4	DS1	CO2		0.450 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.026 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
0.644		1	DS1	CO1		0.018 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
0.000 ∇		1	DS1	CO2		0.837 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
0.309			DS2	CO7		0.008 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.008 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.106 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.106 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		DS4	CO17		0.003 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
		DS4	CO17		0.034 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
128	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 ∇	4	DS1	CO2		0.086 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.003 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258 $\frac{1}{4}$	1	DS1	CO4		0.003 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.309	1	DS1	CO2		0.376 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 ∇		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7		0.015 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.015 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.177 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.177 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.005 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
		DS4	CO17		0.057 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
129	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 ∇	6	DS1	CO3		0.019 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2		0.517 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.018 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258 $\frac{1}{4}$	1	DS1	CO2		0.051 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 ∇	1	DS1	CO2		1.119 !	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 ∇		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7		0.008 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12		0.008 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7		0.198 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12		0.198 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17		0.003 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17		0.063 \checkmark	SE2200.00	Serviceability	Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
130	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \nless	6	DS1	CO3	<div></div>	0.032 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 \nless	4	DS1	CO2	<div></div>	0.617 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.065 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	<div></div>	0.086 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 \nless	1	DS1	CO2	<div></div>	1.196 !	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	<div></div>	0.028 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.027 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	<div></div>	0.141 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.141 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	<div></div>	0.009 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	<div></div>	0.045 \checkmark	SE2200.00	Serviceability	Vibration in z-direction
131	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \nless	6	DS1	CO3	<div></div>	0.011 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 \nless	4	DS1	CO2	<div></div>	0.179 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.012 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030 \nless	1	DS1	CO2	<div></div>	0.969 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \nless		DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.045 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.045 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.388 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.388 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.014 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	<div></div>	0.124 \checkmark	SE2200.00	Serviceability	Vibration in z-direction
	132	Beam 4 - R_M1 140/160 L : 1.030 m							
0.000 \nless		6	DS1	CO5	<div></div>	0.033 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
1.030 \nless		4	DS1	CO2	<div></div>	0.368 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.092 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
0.386		1	DS1	CO3	<div></div>	0.502 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
1.030 \nless		1	DS1	CO4	<div></div>	0.006 \checkmark	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
0.000 \nless		1	DS1	CO2	<div></div>	0.978 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
0.721			DS2	CO7	<div></div>	0.027 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.027 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
0.412			DS2	CO7	<div></div>	0.255 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.255 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
0.721			DS4	CO17	<div></div>	0.009 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
0.412		DS4	CO17	<div></div>	0.081 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
133	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 \nless		DS1	CO4	<div></div>	0.000 \checkmark	SP0100.00	Section Proof	Negligible internal forces
	1.030 \nless	6	DS1	CO2	<div></div>	0.030 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	<div></div>	0.278 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.824	1	DS1	CO3	<div></div>	0.403 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 \nless	3	DS1	CO2	<div></div>	0.648 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \nless		DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.618		DS2	CO7	<div></div>	0.140 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
134	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \nless	6	DS1	CO3	<div></div>	0.024 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 \nless	4	DS1	CO2	<div></div>	0.470 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.038 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	<div></div>	0.003 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.515 $\frac{1}{2}$	1	DS1	CO2	<div></div>	0.020 \checkmark	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	0.000 \nless	3	DS1	CO2	<div></div>	0.707 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration
	0.309		DS2	CO7	<div></div>	0.013 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.013 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.824		DS2	CO7	<div></div>	0.039 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.039 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.309		DS4	CO17	<div></div>	0.004 \checkmark	SE2100.00	Serviceability	Vibration in y-direction
	0.824		DS4	CO17	<div></div>	0.012 \checkmark	SE2200.00	Serviceability	Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
135	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	<div></div>	0.089	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.257 $\frac{1}{4}$	3	DS1	CO2	<div></div>	0.590	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.023	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.023	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.278	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.278	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	<div></div>	0.089	✓	SE2200.00	Serviceability Vibration in z-direction
136	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.644	6	DS1	CO3	<div></div>	0.022	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	<div></div>	0.541	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.031	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1	<div></div>	0.029	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	3	DS1	CO2	<div></div>	1.011	⚠	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	<div></div>	0.013	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.013	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	<div></div>	0.126	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.125	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
0.644		DS4	CO17	<div></div>	0.004	✓	SE2100.00	Serviceability Vibration in y-direction	
0.721		DS4	CO17	<div></div>	0.040	✓	SE2200.00	Serviceability Vibration in z-direction	
137	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.129	4	DS1	CO3	<div></div>	0.018	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	<div></div>	0.510	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.019	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772 $\frac{3}{4}$	1	DS1	CO1	<div></div>	0.029	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	<div></div>	0.990	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	<div></div>	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.142	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.141	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		DS4	CO17	<div></div>	0.003	✓	SE2100.00	Serviceability Vibration in y-direction	
		DS4	CO17	<div></div>	0.045	✓	SE2200.00	Serviceability Vibration in z-direction	
138	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 \pm	4	DS1	CO2	<div></div>	0.062	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO4	<div></div>	0.005	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.618	3	DS1	CO2	<div></div>	0.441	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.015	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.015	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.215	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.215	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
		DS4	CO17	<div></div>	0.069	✓	SE2200.00	Serviceability Vibration in z-direction	
139	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.773 $\frac{3}{4}$	6	DS1	CO3	<div></div>	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	<div></div>	0.490	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.021	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	<div></div>	0.048	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	3	DS1	CO2	<div></div>	0.907	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	<div></div>	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	<div></div>	0.116	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.116	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
0.644		DS4	CO17	<div></div>	0.003	✓	SE2100.00	Serviceability Vibration in y-direction	
0.721		DS4	CO17	<div></div>	0.037	✓	SE2200.00	Serviceability Vibration in z-direction	



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TIMBER

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DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description		
					Ratio η [-]					
140	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.258 $\frac{1}{4}$	6	DS1	CO3		0.019 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	0.000 ∇	4	DS1	CO2		0.498 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
		2	DS1	CO2		0.024 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.721	1	DS1	CO2		0.064 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.000 ∇	3	DS1	CO2		0.913 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.386		DS2	CO7		0.010 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.010 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.309		DS2	CO7		0.112 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.112 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	0.386		DS4	CO17		0.003 ✓	SE2100.00	Serviceability	Vibration in y-direction	
	0.309		DS4	CO17		0.036 ✓	SE2200.00	Serviceability	Vibration in z-direction	
141	Beam 4 - R_M1 140/160 L : 1.030 m									
	1.030 ∇	4	DS1	CO2		0.055 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.515 $\frac{1}{2}$	3	DS1	CO2		0.478 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000 ∇		DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.515 $\frac{1}{2}$		DS2	CO7		0.017 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.017 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7		0.232 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.232 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.005 ✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17		0.074 ✓	SE2200.00	Serviceability	Vibration in z-direction	
	142	Beam 4 - R_M1 140/160 L : 1.030 m								
		0.773 $\frac{3}{4}$	6	DS1	CO3		0.019 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		1.030 ∇	4	DS1	CO2		0.502 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2		0.024 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
0.309		1	DS1	CO2		0.055 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
1.030 ∇		3	DS1	CO2		0.930 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
0.000 ∇			DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration	
0.644			DS2	CO7		0.010 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.010 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
0.721			DS2	CO7		0.117 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.117 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
0.644			DS4	CO17		0.003 ✓	SE2100.00	Serviceability	Vibration in y-direction	
0.721			DS4	CO17		0.037 ✓	SE2200.00	Serviceability	Vibration in z-direction	
143	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.258 $\frac{1}{4}$	6	DS1	CO3		0.019 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	0.000 ∇	4	DS1	CO2		0.499 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
		2	DS1	CO2		0.023 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.721	1	DS1	CO2		0.048 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.000 ∇	3	DS1	CO2		0.927 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.386		DS2	CO7		0.009 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.009 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.309		DS2	CO7		0.119 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.119 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	0.386		DS4	CO17		0.003 ✓	SE2100.00	Serviceability	Vibration in y-direction	
	0.309		DS4	CO17		0.038 ✓	SE2200.00	Serviceability	Vibration in z-direction	
144	Beam 4 - R_M1 140/160 L : 1.030 m									
	1.030 ∇	4	DS1	CO2		0.054 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.515 $\frac{1}{2}$	3	DS1	CO2		0.462 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000 ∇		DS2	CO6		0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.515 $\frac{1}{2}$		DS2	CO7		0.016 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.016 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7		0.224 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.224 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.005 ✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17		0.071 ✓	SE2200.00	Serviceability	Vibration in z-direction	
145	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.773 $\frac{3}{4}$	6	DS1	CO3		0.019 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	1.030 ∇	4	DS1	CO2		0.502 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	



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TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
145	1.030 \pm	2	DS1	CO2	0.022	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.040	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	3	DS1	CO2	0.941	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.123	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.123	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
146	0.644		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.039	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.258 $\frac{1}{4}$	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.509	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.025	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.054	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	0.947	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
147			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.010	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.010	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.119	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.119	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.038	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000 \pm	4	DS1	CO2	0.062	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
148	0.515 $\frac{1}{2}$	3	DS1	CO2	0.495	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.018	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.018	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.239	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.239	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.076	✓	SE2200.00	Serviceability Vibration in z-direction
149	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.644	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.491	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.027	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1	0.044	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	3	DS1	CO2	0.871	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.010	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
150			DS3	CO12	0.010	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.097	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.096	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.031	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.129	6	DS1	CO3	0.018	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.464	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.016	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO1	0.020	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
150	0.000 \pm	3	DS1	CO2	0.851	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.110	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.110	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.035	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030 \pm	4	DS1	CO2	0.088	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.004	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type		Description
					Ratio η [-]				
150	0.309	1	DS1	CO4	0.003	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.258 $\frac{1}{4}$	3	DS1	CO2	0.382	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.010	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.515 $\frac{1}{2}$		DS3	CO12	0.010	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.183	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.183	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.058	✓	SE2200.00	Serviceability	Vibration in z-direction
151	Beam 4 - R_M1 140/160 L: 1.030 m								
	1.030	4	DS1	CO3	0.017	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.536	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.008	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.103	1	DS1	CO2	0.133	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.206	1	DS1	CO5	0.001	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.151	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.006	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.618		DS3	CO12	0.006	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.207	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.207	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.066	✓	SE2200.00	Serviceability	Vibration in z-direction
152	Beam 4 - R_M1 140/160 L: 1.030 m								
	1.030	6	DS1	CO3	0.027	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.643	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.052	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.773 $\frac{3}{4}$	1	DS1	CO4	0.004	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.225	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.024	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.386		DS3	CO12	0.024	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.147	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.146	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.008	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	0.047	✓	SE2200.00	Serviceability	Vibration in z-direction
153	Beam 4 - R_M1 140/160 L: 1.030 m								
	1.030	6	DS1	CO3	0.011	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.184	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.011	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	3	DS1	CO2	1.006	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.040	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.515 $\frac{1}{2}$		DS3	CO12	0.040	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.405	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.404	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.013	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.129	✓	SE2200.00	Serviceability	Vibration in z-direction
154	Beam 4 - R_M1 140/160 L: 1.030 m								
	0.000	6	DS1	CO4	0.032	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.384	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.901	2	DS1	CO2	0.077	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO2	0.631	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO4	0.009	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.010	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.023	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.721		DS3	CO12	0.023	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.266	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.265	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.412		DS4	CO17	0.085	✓	SE2200.00	Serviceability	Vibration in z-direction

Beam | 4 - R_M1 140/160 | L: 1.030 m



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
155	0.000	6	DS1	CO4	0.000	✓	SP0100.00	Section Proof	Negligible internal forces
	1.030		DS1	CO2	0.030	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.824	4	DS1	CO2	0.277	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO3	0.403	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	0.648	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
	0.618		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.140	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.139	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.044	✓	SE2200.00	Serviceability	Vibration in z-direction
156	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030	6	DS1	CO3	0.023	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.469	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.038	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	0.003	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.515	1	DS1	CO2	0.020	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.707	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
	DS3		CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
	0.309		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.013	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.824		DS3	CO12	0.013	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.039	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.039	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			0.309	DS4	CO17	0.004	✓	SE2100.00	Serviceability
	0.824		DS4	CO17	0.012	✓	SE2200.00	Serviceability	Vibration in z-direction
	157	Beam 4 - R_M1 140/160 L : 1.030 m							
1.030		4	DS1	CO2	0.089	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
0.257		2	DS1	CO2	0.003	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.590	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
0.000			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
0.515			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.023	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.023	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.278	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.277	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.088	✓	SE2200.00	Serviceability	Vibration in z-direction
158		Beam 4 - R_M1 140/160 L : 1.030 m							
	0.644	6	DS1	CO3	0.022	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.541	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.031	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1	0.029	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.011	!	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
	0.644		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.013	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.721		DS3	CO12	0.013	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.126	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.125	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			0.644	DS4	CO17	0.004	✓	SE2100.00	Serviceability
	0.721		DS4	CO17	0.040	✓	SE2200.00	Serviceability	Vibration in z-direction
159	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.129	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.510	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.019	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772	1	DS1	CO1	0.030	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.990	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.008	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.141	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.141	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.045	✓	SE2200.00	Serviceability	Vibration in z-direction
160	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000	4	DS1	CO2	0.062	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
160	0.000 $\frac{1}{2}$	2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO4	0.005	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.618	1	DS1	CO2	0.442	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 $\frac{1}{2}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.015	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.015	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.215	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.215	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.069	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.773 $\frac{3}{4}$	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
161	1.030 $\frac{1}{2}$	4	DS1	CO2	0.490	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.021	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.048	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 $\frac{1}{2}$	1	DS1	CO2	0.907	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 $\frac{1}{2}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.008	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.116	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.116	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.037	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
162	0.258 $\frac{1}{4}$	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 $\frac{1}{2}$	4	DS1	CO2	0.498	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.024	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.064	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 $\frac{1}{2}$	1	DS1	CO2	0.913	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.010	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.010	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.112	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.112	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.036	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
163	1.030 $\frac{1}{2}$	4	DS1	CO2	0.055	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	0.478	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 $\frac{1}{2}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.017	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.017	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.232	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.231	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.074	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.773 $\frac{3}{4}$	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
164	1.030 $\frac{1}{2}$	4	DS1	CO2	0.502	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.024	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.055	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 $\frac{1}{2}$	1	DS1	CO2	0.930	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 $\frac{1}{2}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.010	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.010	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.117	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.117	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.037	✓	SE2200.00	Serviceability Vibration in z-direction
	Beam 4 - R_M1 140/160 L : 1.030 m							
165	0.258 $\frac{1}{4}$	4	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 $\frac{1}{2}$	4	DS1	CO2	0.499	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
165	0.000	2	DS1	CO2	0.023	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.048	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.927	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.119	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.118	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.038	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m								
166	1.030	4	DS1	CO2	0.054	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 1/2	1	DS1	CO2	0.462	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 1/2		DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.225	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.224	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.072	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m								
167	0.773 3/4	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.502	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.022	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.040	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	0.941	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.123	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.123	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
168	0.258 1/4	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.509	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.025	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.054	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.947	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.010	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.010	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.119	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.119	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
169	0.644	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.491	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.027	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1	0.044	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 1/2		DS2	CO7	0.018	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.018	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.239	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.239	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
170	0.644	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.491	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.027	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1	0.044	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 1/2		DS2	CO7	0.018	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.018	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.239	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.239	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
170	1.030 ± 0.000 ±	1	DS1	CO2	0.871	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
	0.644		DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.010	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.010	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.097	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.096	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644 0.721		DS4	CO17	0.003	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.031	✓	SE2200.00	Serviceability	Vibration in z-direction
171	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.129 0.000 ±	6 4	DS1	CO3	0.018	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
			DS1	CO2	0.464	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.016	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
			DS1	CO1	0.020	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.721 0.000 ±	1	DS1	CO2	0.851	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.005	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.110	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.110	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.035	✓	SE2200.00	Serviceability	Vibration in z-direction
			DS4	CO17	0.035	✓	SE2200.00	Serviceability	Vibration in z-direction
DS4	CO17		0.035	✓	SE2200.00	Serviceability	Vibration in z-direction		
172	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 ±	4 2	DS1	CO2	0.088	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
			DS1	CO2	0.004	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO4	0.003	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
			DS1	CO2	0.383	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.258 ¼ 0.000 ±	1	DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.010	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.515 ½		DS3	CO12	0.010	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.183	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.183	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.058	✓	SE2200.00	Serviceability	Vibration in z-direction
			DS4	CO17	0.058	✓	SE2200.00	Serviceability	Vibration in z-direction
			DS4	CO17	0.058	✓	SE2200.00	Serviceability	Vibration in z-direction
			DS4	CO17	0.058	✓	SE2200.00	Serviceability	Vibration in z-direction
173	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 ±	6 4	DS1	CO3	0.017	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
			DS1	CO2	0.536	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.008	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
			DS1	CO2	0.133	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.103 0.206 1.030 ± 0.000 ±	1	DS1	CO5	0.001	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
			DS1	CO2	1.151	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.006	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.618		DS3	CO12	0.006	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.207	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
	0.644		DS3	CO12	0.207	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability	Vibration in y-direction
DS4			CO17	0.066	✓	SE2200.00	Serviceability	Vibration in z-direction	
DS4			CO17	0.066	✓	SE2200.00	Serviceability	Vibration in z-direction	
DS4	CO17		0.066	✓	SE2200.00	Serviceability	Vibration in z-direction		
174	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 ± 0.000 ±	6 4	DS1	CO3	0.027	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
			DS1	CO2	0.643	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.052	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
			DS1	CO4	0.004	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.773 ¾ 0.000 ±	1	DS1	CO2	1.224	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.024	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.024	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.147	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.146	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386 0.309		DS4	CO17	0.008	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.047	✓	SE2200.00	Serviceability	Vibration in z-direction
			DS4	CO17	0.047	✓	SE2200.00	Serviceability	Vibration in z-direction
			DS4	CO17	0.047	✓	SE2200.00	Serviceability	Vibration in z-direction
DS4	CO17		0.047	✓	SE2200.00	Serviceability	Vibration in z-direction		
175	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 ± 0.000 ±	6 4	DS1	CO3	0.011	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
			DS1	CO2	0.184	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
			DS1	CO2	0.011	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description			
					Ratio η [-]						
175	1.030 \pm 0.000 \pm	1	DS1	CO2	1.006	!	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6		
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'		
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'		
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration		
	0.515 $\frac{1}{2}$		DS2	CO7	0.040	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2		
			DS3	CO12	0.040	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2		
			DS2	CO7	0.405	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2		
			DS3	CO12	0.404	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
			DS4	CO17	0.013	✓	SE2100.00	Serviceability	Vibration in y-direction		
			DS4	CO17	0.129	✓	SE2200.00	Serviceability	Vibration in z-direction		
176	Beam 4 - R_M1 140/160 L : 1.030 m										
	0.000 \pm 1.030 \pm	6 4	DS1	CO4	0.032	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8		
			DS1	CO2	0.384	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section		
	0.901 0.386	2 1	DS1	CO2	0.077	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section		
			DS1	CO2	0.630	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6		
	1.030 \pm 0.000 \pm	1 1	DS1	CO4	0.009	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6		
			DS1	CO2	1.009	!	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6		
	0.721		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'		
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'		
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration		
			DS2	CO7	0.023	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2		
			DS3	CO12	0.023	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2		
			DS2	CO7	0.265	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2		
	0.412		DS3	CO12	0.265	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
			DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction		
			0.721 0.412		DS4	CO17	0.085	✓	SE2200.00	Serviceability	Vibration in z-direction
					DS4	CO17	0.085	✓	SE2200.00	Serviceability	Vibration in z-direction
	177	Beam 4 - R_M1 140/160 L : 1.030 m									
1.030 \pm 0.824		6 1	DS1	CO2	0.088	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8		
			DS1	CO2	0.264	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section		
1.030 \pm 0.000 \pm		1 1	DS1	CO2	0.448	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6		
			DS1	CO2	0.600	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6		
0.618			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'		
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'		
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration		
			DS2	CO7	0.125	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2		
			DS3	CO12	0.125	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
			DS4	CO17	0.040	✓	SE2200.00	Serviceability	Vibration in z-direction		
178		Beam 4 - R_M1 140/160 L : 1.030 m									
	0.000 \pm 1.030 \pm	6 4	DS1	CO2	0.087	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8		
			DS1	CO2	0.444	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section		
	1.030 \pm 0.644	2 1	DS1	CO2	0.047	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section		
			DS1	CO5	0.056	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6		
	0.000 \pm 0.309		DS1	CO2	0.667	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6		
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'		
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'		
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration		
			DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2		
			DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2		
	0.772 $\frac{3}{4}$ 0.309		DS2	CO7	0.041	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2		
DS3			CO12	0.041	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2			
0.309 0.772 $\frac{3}{4}$				DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction	
				DS4	CO17	0.013	✓	SE2200.00	Serviceability	Vibration in z-direction	
179	Beam 4 - R_M1 140/160 L : 1.030 m										
	0.000 \pm 1.030 \pm	6 4	DS1	CO2	0.092	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8		
			DS1	CO2	0.107	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section		
	1.030 \pm 0.103	2 1	DS1	CO2	0.003	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section		
			DS1	CO4	0.007	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6		
	0.000 \pm 0.515 $\frac{1}{2}$		DS1	CO2	0.553	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6		
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'		
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'		
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration		
			DS2	CO7	0.027	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2		
			DS3	CO12	0.027	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2		
	0.309		DS2	CO7	0.249	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2		
			DS3	CO12	0.248	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
			DS4	CO17	0.008	✓	SE2100.00	Serviceability	Vibration in y-direction		
DS4			CO17	0.079	✓	SE2200.00	Serviceability	Vibration in z-direction			
180	Beam 4 - R_M1 140/160 L : 1.030 m										
	1.030 \pm 0.000 \pm	6 2	DS1	CO2	0.097	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8		
			DS1	CO2	0.477	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section		
	0.000 \pm 0.309	1 1	DS1	CO2	0.040	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section		
			DS1	CO3	0.028	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6		
0.309		DS1	CO3	0.028	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6			



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
180	1.030 \pm	3	DS1	CO2	0.920	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.117	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.116	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.037	✓	SE2200.00	Serviceability Vibration in z-direction
181	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030 \pm	6	DS1	CO2	0.029	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.471	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	2	DS1	CO2	0.028	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO5	0.013	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	0.896	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.010	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.010	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.118	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
182	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000 \pm	6	DS1	CO2	0.051	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.064	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO4	0.004	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.412	3	DS1	CO2	0.399	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.018	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.018	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.192	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.192	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
183	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000 \pm	6	DS1	CO2	0.093	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.445	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	0.030	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	1	DS1	CO4	0.004	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO2	0.861	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	0.010	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.010	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.116	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
184	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000 \pm	6	DS1	CO2	0.048	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.477	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	2	DS1	CO2	0.036	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO4	0.005	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	0.869	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.013	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.098	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
185	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000 \pm	6	DS1	CO2	0.062	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.058	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section





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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
185	0.129	2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	1	DS1	CO4	0.005	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.515	3	DS1	CO2	0.470	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.023	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.023	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.224	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.224	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.071	✓	SE2200.00	Serviceability Vibration in z-direction
186	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	6	DS1	CO2	0.108	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.433	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.040	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	1	DS1	CO4	0.007	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO2	0.768	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.013	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.077	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.077	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
187	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	4	DS1	CO2	0.412	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.019	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.618	1	DS1	CO2	0.036	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.730	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.309		DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.086	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.086	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.027	✓	SE2200.00	Serviceability Vibration in z-direction
188	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	6	DS1	CO2	0.043	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.132	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.206	1	DS1	CO4	0.006	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.343	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.412		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.515	1/2	DS2	CO7	0.134	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.134	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
189	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	6	DS1	CO2	0.044	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.527	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.515	1/2	DS1	CO4	0.003	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.276	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.276	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
	0.618		DS3	CO12	0.275	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
190	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.618	1	DS1	CO2	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	6	DS1	CO2	0.185	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8



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TIMBER

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DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
190	0.000	4	DS1	CO2	0.631	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.082	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.824	1	DS1	CO3	0.074	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.414	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.824	7	DS1	CO2	0.092	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.206	3	DS1	CO2	1.019	✗	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.048	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.048	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.213	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.212	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.015	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.068	✓	SE2200.00	Serviceability Vibration in z-direction
191	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.386	6	DS1	CO2	0.166	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.249	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.386	2	DS1	CO2	0.022	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.515	1	DS1	CO4	0.005	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.030	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515		DS2	CO7	0.040	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.040	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.362	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.361	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.013	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.115	✓	SE2200.00	Serviceability Vibration in z-direction
192	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	6	DS1	CO2	0.190	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.142	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.773	2	DS1	CO2	0.011	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO4	0.007	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.033	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515		DS2	CO7	0.051	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.051	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.440	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.439	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.140	✓	SE2200.00	Serviceability Vibration in z-direction
193	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000		DS1	CO4	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	0.721	1	DS1	CO2	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	1.030	4	DS1	CO2	0.256	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.545	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.107	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	1	DS1	CO4	0.009	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.774	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	1.030	3	DS1	CO2	0.885	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.051	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.051	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.258		DS2	CO7	0.063	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.063	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
	0.258		DS4	CO17	0.020	✓	SE2200.00	Serviceability Vibration in z-direction
194	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	1	DS1	CO2	0.002	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	1.030	6	DS1	CO2	0.050	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.299	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.386	2	DS1	CO2	0.044	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	1	DS1	CO5	0.005	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO4	0.003	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	0.000	1	DS1	CO1	0.369	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
		9	DS1	CO2	0.794	✓	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
194	0.000		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.412		DS2	CO7	0.038	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.038	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.151	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.151	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.012	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.048	✓	SE2200.00	Serviceability Vibration in z-direction
195	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	6	DS1	CO2	0.031	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.274	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.637	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.618		DS2	CO7	0.137	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
196	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	6	DS1	CO3	0.024	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.461	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.048	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	0.020	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.515 ½	1	DS1	CO1	0.011	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.711	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
197	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	6	DS1	CO2	0.030	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.083	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.309	3	DS1	CO2	0.585	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 ½		DS2	CO7	0.029	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
198	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.644	6	DS1	CO3	0.021	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.536	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.045	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258 ¼	1	DS1	CO4	0.011	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.011	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
199	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	4	DS1	CO2	0.502	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.027	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.618	1	DS1	CO4	0.010	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.983	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
199	0.386		DS2	CO7	0.011	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS3	CO12	0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2





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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
199	0.386		DS2	CO7	0.139	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.138	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.044	✓	SE2200.00	Serviceability Vibration in z-direction
200	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	6	DS1	CO2	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.057	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.515 1/2	3	DS1	CO2	0.431	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.018	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.018	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.208	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.208	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.066	✓	SE2200.00	Serviceability Vibration in z-direction
201	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.901	6	DS1	CO2	0.027	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.500	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.030	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO5	0.018	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	0.967	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.011	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.011	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.131	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.131	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.042	✓	SE2200.00	Serviceability Vibration in z-direction
202	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	4	DS1	CO2	0.523	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.039	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.066	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.984	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.119	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.119	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.038	✓	SE2200.00	Serviceability Vibration in z-direction
203	Beam 4 - R_M1 140/160 L : 1.030 m							
	1.030	6	DS1	CO2	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.080	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.005	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	3	DS1	CO2	0.562	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.027	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.027	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.265	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.264	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.084	✓	SE2200.00	Serviceability Vibration in z-direction
204	Beam 4 - R_M1 140/160 L : 1.030 m							
	0.000	6	DS1	CO3	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.475	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.049	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO5	0.028	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	0.779	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.721		DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2



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TIMBER

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DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
204	0.772 $\frac{3}{4}$		DS2	CO7	0.056	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.056	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.721		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.772 $\frac{3}{4}$		DS4	CO17	0.018	✓	SE2200.00	Serviceability Vibration in z-direction
205	Beam 4 - R_M1 140/160 L: 1.030 m							
	0.000 $\frac{3}{4}$	6	DS1	CO2	0.022	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.393	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.386	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.292	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 $\frac{3}{4}$	3	DS1	CO2	0.712	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
	0.309		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.096	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.096	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.030	✓	SE2200.00	Serviceability Vibration in z-direction
206	Beam 4 - R_M1 140/160 L: 1.030 m							
	1.030 $\frac{3}{4}$	4	DS1	CO2	0.019	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.156	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 $\frac{3}{4}$	2	DS1	CO2	0.011	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.177	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.515 $\frac{1}{2}$		DS1	CO2	0.288	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
	0.412		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.093	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.093	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.030	✓	SE2200.00	Serviceability Vibration in z-direction
207	Beam 4 - R_M1 140/160 L: 1.030 m							
	0.129	6	DS1	CO2	0.040	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.613	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 $\frac{3}{4}$	2	DS1	CO2	0.015	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.778	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 $\frac{3}{4}$		DS1	CO2	1.651	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
	0.258 $\frac{1}{4}$		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.002	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.002	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.618		DS2	CO7	0.399	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.398	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
208	Beam 4 - R_M1 140/160 L: 1.030 m							
	0.644	1	DS1	CO2	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		4	DS1	CO2	0.042	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 $\frac{3}{4}$	4	DS1	CO2	0.812	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.115	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030 $\frac{3}{4}$	1	DS1	CO4	0.011	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO3	1.423	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 $\frac{3}{4}$	3	DS1	CO2	1.857	!	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
	0.412		DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.072	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.386		DS3	CO12	0.072	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.275	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
	0.412		DS3	CO12	0.274	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
209	Beam 4 - R_M1 140/160 L: 1.030 m							
	0.000 $\frac{3}{4}$	1	DS1	CO2	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
		6	DS1	CO4	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.129	4	DS1	CO2	0.366	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.027	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030 $\frac{3}{4}$	3	DS1	CO2	1.551	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
		7	DS1	CO2	0.809	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	0.206		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.061	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.515 $\frac{1}{2}$		DS3	CO12	0.061	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.527	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description		
					Ratio η [-]					
209	0.515 $\frac{1}{2}$		DS3	CO12	<div></div>	0.526	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	<div></div>	0.019	✓	SE2100.00	Serviceability Vibration in y-direction	
			DS4	CO17	<div></div>	0.167	✓	SE2200.00	Serviceability Vibration in z-direction	
210	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.000 $\frac{1}{4}$	6	DS1	CO3	<div></div>	0.030	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8	
		1.030 $\frac{1}{4}$	4	DS1	CO2	<div></div>	0.207	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.010	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	
		0.000 $\frac{1}{4}$	3	DS1	CO2	<div></div>	1.551	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		0.515 $\frac{1}{2}$	DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div></div>	0.077	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
		DS3	CO12	<div></div>	0.077	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2		
		DS2	CO7	<div></div>	0.642	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2		
		DS3	CO12	<div></div>	0.640	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
		DS4	CO17	<div></div>	0.025	✓	SE2100.00	Serviceability Vibration in y-direction		
		DS4	CO17	<div></div>	0.203	✓	SE2200.00	Serviceability Vibration in z-direction		
	211	Beam 4 - R_M1 140/160 L : 1.030 m								
		0.772 $\frac{3}{4}$	1	DS1	CO2	<div></div>	0.002	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
1.030 $\frac{3}{4}$			6	DS1	CO2	<div></div>	0.065	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	<div></div>	0.641	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section	
		0.000 $\frac{1}{4}$	2	DS1	CO2	<div></div>	0.156	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
0.258 $\frac{1}{4}$		1	DS1	CO5	<div></div>	0.163	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
		0.644	1	DS1	CO5	<div></div>	0.049	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
0.000 $\frac{1}{4}$		3	DS1	CO3	<div></div>	0.841	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
		7	DS1	CO2	<div></div>	1.098	✗	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3	
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		0.644	DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div></div>	0.077	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
		DS3	CO12	<div></div>	0.077	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2		
		0.309	DS2	CO7	<div></div>	0.135	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	<div></div>	0.134	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
		0.644	DS4	CO17	<div></div>	0.024	✓	SE2100.00	Serviceability Vibration in y-direction	
0.309		DS4	CO17	<div></div>	0.042	✓	SE2200.00	Serviceability Vibration in z-direction		
212		Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 $\frac{1}{4}$	6	DS1	CO2	<div></div>	0.100	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8	
		0.000 $\frac{1}{4}$	4	DS1	CO2	<div></div>	0.288	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 $\frac{1}{4}$	2	DS1	CO2	<div></div>	0.087	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	
		1	DS1	CO5	<div></div>	0.006	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6	
	0.000 $\frac{1}{4}$		DS1	CO2	<div></div>	0.866	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
		0.412	DS2	CO7	<div></div>	0.073	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	<div></div>	0.072	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
		DS2	CO7	<div></div>	0.150	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2		
		DS3	CO12	<div></div>	0.150	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
		DS4	CO17	<div></div>	0.023	✓	SE2100.00	Serviceability Vibration in y-direction		
		DS4	CO17	<div></div>	0.048	✓	SE2200.00	Serviceability Vibration in z-direction		
	213	Beam 4 - R_M1 140/160 L : 1.030 m								
		1.030 $\frac{1}{4}$	6	DS1	CO2	<div></div>	0.032	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
4			DS1	CO2	<div></div>	0.252	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section	
0.927 $\frac{1}{4}$		1	DS1	CO3	<div></div>	0.381	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
		1.030 $\frac{1}{4}$	1	DS1	CO2	<div></div>	0.574	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
0.000 $\frac{1}{4}$			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		0.618	DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div></div>	0.121	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	<div></div>	0.120	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
		DS4	CO17	<div></div>	0.038	✓	SE2200.00	Serviceability Vibration in z-direction		
214		Beam 4 - R_M1 140/160 L : 1.030 m								
		1.030 $\frac{1}{4}$	4	DS1	CO2	<div></div>	0.036	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
			0.000 $\frac{1}{4}$	4	DS1	CO2	<div></div>	0.419	✓	SP3100.00
			2	DS1	CO2	<div></div>	0.017	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
			0.721 $\frac{1}{4}$	1	DS1	CO2	<div></div>	0.204	✓	SP4100.00
		0.515 $\frac{1}{2}$	1	DS1	CO4	<div></div>	0.001	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	0.000 $\frac{1}{4}$		3	DS1	CO2	<div></div>	0.601	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
		0.309	DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div></div>	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' v-direction acc. to 7.2	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description		
					Ratio η [-]					
214	0.309 0.824		DS3	CO12	0.007	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7	0.035	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.035	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	0.309 0.824		DS4	CO17	0.002	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17	0.011	✓	SE2200.00	Serviceability	Vibration in z-direction	
215	Beam 4 - R_M1 140/160 L : 1.030 m									
	1.030 $\frac{3}{4}$	4	DS1	CO2	0.085	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.000 $\frac{3}{4}$	2	DS1	CO2	0.002	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.309 $\frac{3}{4}$	3	DS1	CO2	0.506	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000 $\frac{3}{4}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.515 $\frac{1}{2}$		DS2	CO7	0.012	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.012	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7	0.246	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.245	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17	0.078	✓	SE2200.00	Serviceability	Vibration in z-direction	
	216	Beam 4 - R_M1 140/160 L : 1.030 m								
		0.772 $\frac{3}{4}$	6	DS1	CO2	0.030	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
1.030 $\frac{3}{4}$		4	DS1	CO2	0.488	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
0.258 $\frac{1}{4}$		2	DS1	CO2	0.013	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
		1	DS1	CO2	0.108	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
		3	DS1	CO2	0.888	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
0.000 $\frac{3}{4}$			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
0.644			DS2	CO7	0.007	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.007	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
0.721			DS2	CO7	0.114	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.114	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
0.644			DS4	CO17	0.002	✓	SE2100.00	Serviceability	Vibration in y-direction	
		0.721		DS4	CO17	0.036	✓	SE2200.00	Serviceability	Vibration in z-direction
217	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.258 $\frac{1}{4}$	6	DS1	CO2	0.014	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	0.000 $\frac{3}{4}$	4	DS1	CO2	0.468	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.901 $\frac{3}{4}$	2	DS1	CO2	0.007	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.824 $\frac{3}{4}$	1	DS1	CO2	0.121	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.000 $\frac{3}{4}$	3	DS1	CO2	0.877	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
		0.386		DS2	CO7	0.004	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
				DS3	CO12	0.004	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.124	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.124	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	0.039	✓	SE2200.00	Serviceability	Vibration in z-direction	
	218	Beam 4 - R_M1 140/160 L : 1.030 m								
0.000 $\frac{3}{4}$		4	DS1	CO2	0.060	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
0.515 $\frac{1}{2}$		3	DS1	CO2	0.400	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
0.000 $\frac{3}{4}$			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
0.515 $\frac{1}{2}$			DS2	CO7	0.007	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.007	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7	0.200	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.199	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	0.002	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17	0.064	✓	SE2200.00	Serviceability	Vibration in z-direction	
219	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.773 $\frac{3}{4}$	6	DS1	CO2	0.015	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	1.030 $\frac{3}{4}$	4	DS1	CO2	0.453	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.129 $\frac{3}{4}$	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.258 $\frac{1}{4}$	1	DS1	CO2	0.099	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	1.030 $\frac{3}{4}$	3	DS1	CO2	0.814	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
		0.644		DS2	CO7	0.004	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
				DS3	CO12	0.004	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.105	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.104	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
219	0.721		DS4	CO17	0.033	✓	SE2200.00	Serviceability	Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m									
220	0.258 $\frac{1}{4}$	6	DS1	CO2	0.020	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 $\frac{1}{2}$	4	DS1	CO2	0.458	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.901	2	DS1	CO2	0.009	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772 $\frac{3}{4}$	1	DS1	CO2	0.109	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 $\frac{1}{2}$	3	DS1	CO2	0.817	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.005	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.102	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.102	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.032	✓	SE2200.00	Serviceability	Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m									
221	1.030 $\frac{1}{2}$	4	DS1	CO2	0.054	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	3	DS1	CO2	0.424	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 $\frac{1}{2}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.009	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.211	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.210	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.067	✓	SE2200.00	Serviceability	Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m									
222	0.773 $\frac{3}{4}$	6	DS1	CO2	0.020	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 $\frac{1}{2}$	4	DS1	CO2	0.461	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.009	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258 $\frac{1}{4}$	1	DS1	CO2	0.103	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 $\frac{1}{2}$	3	DS1	CO2	0.828	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 $\frac{1}{2}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7	0.005	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.106	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.106	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.034	✓	SE2200.00	Serviceability	Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m									
223	0.258 $\frac{1}{4}$	6	DS1	CO2	0.018	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 $\frac{1}{2}$	4	DS1	CO2	0.459	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.901	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772 $\frac{3}{4}$	1	DS1	CO2	0.099	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 $\frac{1}{2}$	3	DS1	CO2	0.827	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.004	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.004	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.107	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.107	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.034	✓	SE2200.00	Serviceability	Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m									
224	1.030 $\frac{1}{2}$	4	DS1	CO2	0.054	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	3	DS1	CO2	0.414	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 $\frac{1}{2}$		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.008	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.008	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.206	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.206	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.066	✓	SE2200.00	Serviceability	Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m									
225	0.773 $\frac{3}{4}$	6	DS1	CO2	0.017	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 $\frac{1}{2}$	4	DS1	CO2	0.461	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description		
					Ratio η [-]					
225	0.258 $\frac{1}{4}$	1	DS1	CO2	<div><div></div></div>	0.094	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
	1.030 $\frac{1}{2}$	3	DS1	CO2	<div><div></div></div>	0.836	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
	0.000 $\frac{3}{4}$		DS2	CO6	<div><div></div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div><div></div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	<div><div></div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
	0.644		DS2	CO7	<div><div></div></div>	0.004	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	<div><div></div></div>	0.004	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.721		DS2	CO7	<div><div></div></div>	0.109	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	<div><div></div></div>	0.109	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	<div><div></div></div>	0.035	✓	SE2200.00	Serviceability Vibration in z-direction	
226	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.258 $\frac{1}{4}$	6	DS1	CO2	<div><div></div></div>	0.022	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8	
	0.000 $\frac{1}{2}$	4	DS1	CO2	<div><div></div></div>	0.465	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.772 $\frac{3}{4}$	2	DS1	CO2	<div><div></div></div>	0.010	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.000 $\frac{3}{4}$		DS1	CO2	<div><div></div></div>	0.103	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
			DS1	CO2	<div><div></div></div>	0.838	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
			DS2	CO6	<div><div></div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div><div></div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	<div><div></div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div><div></div></div>	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
	227									
		Beam 4 - R_M1 140/160 L : 1.030 m								
		0.000 $\frac{1}{4}$	4	DS1	CO2	<div><div></div></div>	0.058	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		0.515 $\frac{1}{2}$	3	DS1	CO2	<div><div></div></div>	0.434	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
		0.000 $\frac{3}{4}$		DS2	CO6	<div><div></div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
DS3				CO11	<div><div></div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
DS4				CO16	<div><div></div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
0.515 $\frac{1}{2}$			DS2	CO7	<div><div></div></div>	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	<div><div></div></div>	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7	<div><div></div></div>	0.215	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2	
		DS3	CO12	<div><div></div></div>	0.215	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2		
		DS4	CO17	<div><div></div></div>	0.003	✓	SE2100.00	Serviceability Vibration in y-direction		
		DS4	CO17	<div><div></div></div>	0.069	✓	SE2200.00	Serviceability Vibration in z-direction		
228	Beam 4 - R_M1 140/160 L : 1.030 m									
	0.773 $\frac{3}{4}$	6	DS1	CO2	<div><div></div></div>	0.023	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8	
	1.030 $\frac{1}{2}$	4	DS1	CO2	<div><div></div></div>	0.453	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.258 $\frac{1}{4}$	2	DS1	CO2	<div><div></div></div>	0.010	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	
	1.030 $\frac{1}{2}$		DS1	CO3	<div><div></div></div>	0.098	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
			DS1	CO2	<div><div></div></div>	0.788	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
			DS2	CO6	<div><div></div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
	0.000 $\frac{3}{4}$		DS3	CO11	<div><div></div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	<div><div></div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div><div></div></div>	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
	229									
		Beam 4 - R_M1 140/160 L : 1.030 m								
		0.000 $\frac{1}{4}$	4	DS1	CO2	<div><div></div></div>	0.437	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		0.901	2	DS1	CO2	<div><div></div></div>	0.005	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		0.824	1	DS1	CO3	<div><div></div></div>	0.109	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
0.000 $\frac{3}{4}$			DS1	CO2	<div><div></div></div>	0.779	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
			DS2	CO6	<div><div></div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div><div></div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	<div><div></div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div><div></div></div>	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
	DS3		CO12	<div><div></div></div>	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2		
230										
	Beam 4 - R_M1 140/160 L : 1.030 m									
	1.030 $\frac{1}{2}$	4	DS1	CO2	<div><div></div></div>	0.078	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.000 $\frac{1}{4}$	2	DS1	CO2	<div><div></div></div>	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.901	1	DS1	CO5	<div><div></div></div>	0.073	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6	
	0.386		DS1	CO2	<div><div></div></div>	0.360	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6	
			DS2	CO6	<div><div></div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	<div><div></div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'	
	0.000 $\frac{3}{4}$		DS4	CO16	<div><div></div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration	
			DS2	CO7	<div><div></div></div>	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2	
DS3			CO12	<div><div></div></div>	0.100	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2		
DS3	CO12		<div><div></div></div>	0.100	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2			
		DS4	CO17	<div><div></div></div>	0.032	✓	SE2200.00	Serviceability Vibration in z-direction		



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
230	0.515 $\frac{1}{2}$		DS3	CO12	0.005	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.178	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.178	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.057	✓	SE2200.00	Serviceability	Vibration in z-direction
231	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	0.489	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	0.001	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	1	DS1	CO5	0.256	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
		3	DS1	CO2	0.997	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.618		DS2	CO7	0.003	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.644		DS2	CO7	0.171	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.170	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.054	✓	SE2200.00	Serviceability	Vibration in z-direction
232	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.515 $\frac{1}{2}$	6	DS1	CO2	0.061	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.555	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.024	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.773 $\frac{3}{4}$	1	DS1	CO2	0.126	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	1.036	!	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.013	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.132	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.132	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	0.042	✓	SE2200.00	Serviceability	Vibration in z-direction
233	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 \pm	4	DS1	CO2	0.164	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	2	DS1	CO2	0.005	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
		3	DS1	CO2	0.804	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.022	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.022	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.336	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.335	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.107	✓	SE2200.00	Serviceability	Vibration in z-direction
234	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 \pm	6	DS1	CO2	0.100	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.322	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.039	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO5	0.138	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO5	0.020	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	0.803	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.721		DS2	CO7	0.012	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.012	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.412		DS2	CO7	0.225	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.224	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
235	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	6	DS1	CO2	0.032	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.252	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.927	1	DS1	CO3	0.381	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 \pm	3	DS1	CO2	0.574	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.618		DS2	CO7	0.121	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.120	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.038	✓	SE2200.00	Serviceability	Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
236	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	6	DS1	CO2	<div></div>	0.036	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	<div></div>	0.419	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.017	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	<div></div>	0.204	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.515 $\frac{1}{2}$	1	DS1	CO4	<div></div>	0.001	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2	<div></div>	0.601	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	<div></div>	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.309		DS3	CO12	<div></div>	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.824		DS2	CO7	<div></div>	0.035	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.035	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.309		DS4	CO17	<div></div>	0.002	✓	SE2100.00	Serviceability Vibration in y-direction
	0.824		DS4	CO17	<div></div>	0.011	✓	SE2200.00	Serviceability Vibration in z-direction
237	Beam 4 - R_M1 140/160 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	<div></div>	0.085	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	<div></div>	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	<div></div>	0.507	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.012	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.012	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.246	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.245	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
		DS4	CO17	<div></div>	0.078	✓	SE2200.00	Serviceability Vibration in z-direction	
238	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.772 $\frac{3}{4}$	6	DS1	CO2	<div></div>	0.030	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	<div></div>	0.488	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	<div></div>	0.013	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258 $\frac{1}{4}$	1	DS1	CO2	<div></div>	0.108	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO2	<div></div>	0.888	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	<div></div>	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	<div></div>	0.114	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
		DS3	CO12	<div></div>	0.114	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
0.644		DS4	CO17	<div></div>	0.002	✓	SE2100.00	Serviceability Vibration in y-direction	
0.721		DS4	CO17	<div></div>	0.036	✓	SE2200.00	Serviceability Vibration in z-direction	
239	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.258 $\frac{1}{4}$	6	DS1	CO2	<div></div>	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	<div></div>	0.468	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.901	2	DS1	CO2	<div></div>	0.007	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.824	1	DS1	CO2	<div></div>	0.121	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2	<div></div>	0.877	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	<div></div>	0.004	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.004	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	<div></div>	0.124	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
		DS3	CO12	<div></div>	0.124	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	<div></div>	0.039	✓	SE2200.00	Serviceability Vibration in z-direction	
240	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.000 \pm	4	DS1	CO2	<div></div>	0.060	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	<div></div>	0.400	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.007	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.007	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.200	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.199	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.002	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	<div></div>	0.064	✓	SE2200.00	Serviceability Vibration in z-direction
241	Beam 4 - R_M1 140/160 L : 1.030 m								
	0.773 $\frac{3}{4}$	6	DS1	CO2	<div></div>	0.015	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
241	1.030 \pm	4	DS1	CO2	0.453	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258 $\frac{1}{4}$	1	DS1	CO2	0.099	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO2	0.814	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.004	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.004	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.105	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.104	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.033	✓	SE2200.00	Serviceability Vibration in z-direction
242	Beam 4 - R_M1 140/160 L: 1.030 m							
	0.258 $\frac{1}{4}$	6	DS1	CO2	0.020	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.458	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.901	2	DS1	CO2	0.009	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772 $\frac{3}{4}$	1	DS1	CO2	0.109	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2	0.817	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.102	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.102	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
243	Beam 4 - R_M1 140/160 L: 1.030 m							
	1.030 \pm	4	DS1	CO2	0.054	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	0.424	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.009	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.009	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.211	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.210	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.003	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.067	✓	SE2200.00	Serviceability Vibration in z-direction
244	Beam 4 - R_M1 140/160 L: 1.030 m							
	0.773 $\frac{3}{4}$	6	DS1	CO2	0.020	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.461	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.009	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258 $\frac{1}{4}$	1	DS1	CO2	0.103	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO2	0.828	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.106	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.106	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
245	Beam 4 - R_M1 140/160 L: 1.030 m							
	0.258 $\frac{1}{4}$	6	DS1	CO2	0.018	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.459	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.901	2	DS1	CO2	0.008	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772 $\frac{3}{4}$	1	DS1	CO2	0.099	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2	0.827	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.004	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.004	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.107	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.107	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
246	Beam 4 - R_M1 140/160 L: 1.030 m							
	1.030 \pm	4	DS1	CO2	0.054	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	1	DS1	CO2	0.414	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description			
					Ratio η [-]						
246	0.515 $\frac{1}{2}$		DS2	CO7		0.008	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.008	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7		0.206	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.206	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.003	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17		0.066	✓	SE2200.00	Serviceability	Vibration in z-direction	
247	Beam 4 - R_M1 140/160 L : 1.030 m										
	0.773 $\frac{3}{4}$	4	DS1	CO2		0.017	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	1.030 $\frac{1}{2}$	4	DS1	CO2		0.461	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.129	2	DS1	CO2		0.008	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.258 $\frac{1}{4}$	1	DS1	CO2		0.094	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	1.030 $\frac{1}{2}$	1	DS1	CO2		0.836	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000 $\frac{1}{2}$		DS2	CO6		0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.644		DS2	CO7		0.004	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.004	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.721		DS2	CO7		0.109	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.109	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.035	✓	SE2200.00	Serviceability	Vibration in z-direction	
248	Beam 4 - R_M1 140/160 L : 1.030 m										
	0.258 $\frac{1}{4}$	6	DS1	CO2		0.022	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	0.000 $\frac{1}{2}$	4	DS1	CO2		0.465	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.772 $\frac{3}{4}$	2	DS1	CO2		0.010	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
		1	DS1	CO2		0.103	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.000 $\frac{1}{2}$	1	DS1	CO2		0.838	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6		0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.386		DS2	CO7		0.005	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.005	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.309		DS2	CO7		0.107	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.107	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.034	✓	SE2200.00	Serviceability	Vibration in z-direction	
249	Beam 4 - R_M1 140/160 L : 1.030 m										
	0.000 $\frac{1}{2}$	4	DS1	CO2		0.058	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.515 $\frac{1}{2}$	1	DS1	CO2		0.434	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000 $\frac{1}{2}$		DS2	CO6		0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.515 $\frac{1}{2}$		DS2	CO7		0.009	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.009	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7		0.215	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.215	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.003	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17		0.069	✓	SE2200.00	Serviceability	Vibration in z-direction	
	250	Beam 4 - R_M1 140/160 L : 1.030 m									
0.773 $\frac{3}{4}$		6	DS1	CO2		0.023	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
1.030 $\frac{1}{2}$		4	DS1	CO2		0.453	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
0.258 $\frac{1}{4}$		2	DS1	CO2		0.010	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
		1	DS1	CO3		0.098	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
1.030 $\frac{1}{2}$		1	DS1	CO2		0.788	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
0.000 $\frac{1}{2}$			DS2	CO6		0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
0.644			DS2	CO7		0.005	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.005	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
0.721			DS2	CO7		0.092	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.092	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.029	✓	SE2200.00	Serviceability	Vibration in z-direction	
251	Beam 4 - R_M1 140/160 L : 1.030 m										
	0.000 $\frac{1}{2}$	4	DS1	CO2		0.437	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	1.030 $\frac{1}{2}$	2	DS1	CO2		0.005	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.824	1	DS1	CO3		0.109	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.000 $\frac{1}{2}$	1	DS1	CO2		0.779	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6		0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.386		DS2	CO7		0.003	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.003	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.309		DS2	CO7		0.100	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.100	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
251	0.309		DS4	CO17	0.032	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m								
252	1.030	4	DS1	CO2	0.078	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.901	1	DS1	CO5	0.073	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.386	1	DS1	CO2	0.360	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.005	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.005	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.178	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.178	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.057	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m								
253	1.030	4	DS1	CO2	0.489	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	1	DS1	CO5	0.256	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		1	DS1	CO2	0.997	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.618		DS2	CO7	0.003	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.003	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.644		DS2	CO7	0.171	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.170	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.054	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m								
254	0.515	6	DS1	CO2	0.061	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.555	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.024	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.773	1	DS1	CO2	0.126	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.036	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.013	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.132	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.132	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.042	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m								
255	0.000	4	DS1	CO2	0.164	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.005	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.804	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.022	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.022	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.336	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.335	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.107	✓	SE2200.00	Serviceability Vibration in z-direction
Beam 4 - R_M1 140/160 L : 1.030 m								
256	0.000	6	DS1	CO2	0.100	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.322	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.039	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO5	0.138	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO5	0.020	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.803	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	0.012	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.012	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.412		DS2	CO7	0.225	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.224	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.721		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
	0.412		DS4	CO17	0.072	✓	SE2200.00	Serviceability Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
268	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.013	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.281	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO3	0.630	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
		3	DS1	CO2	0.695	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.618		DS2	CO7	0.160	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.160	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
		DS4	CO17	0.051	✓	SE2200.00	Serviceability	Vibration in z-direction	
269	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000	4	DS1	CO2	0.036	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.453	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.049	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.644	1	DS1	CO5	0.078	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.515 ½	1	DS1	CO4	0.004	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	0.000 ½	1	DS1	CO2	0.784	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.021	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.309		DS3	CO12	0.021	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.047	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
	0.824		DS3	CO12	0.047	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.309		DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.824		DS4	CO17	0.015	✓	SE2200.00	Serviceability	Vibration in z-direction
270	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.103	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.386	2	DS1	CO2	0.004	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO2	0.626	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.036	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.515 ½		DS3	CO12	0.036	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.334	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.333	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.011	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.106	✓	SE2200.00	Serviceability	Vibration in z-direction
	271	Beam 5 - R_M1 120/140 L : 1.030 m							
1.030		4	DS1	CO2	0.031	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.527	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
0.000		2	DS1	CO2	0.039	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
0.309		1	DS1	CO1	0.028	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
1.030		1	DS1	CO2	1.125	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
0.000			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
			DS2	CO7	0.021	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
0.644			DS3	CO12	0.021	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
0.721			DS2	CO7	0.157	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.157	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
0.644			DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction
0.721			DS4	CO17	0.050	✓	SE2200.00	Serviceability	Vibration in z-direction
272		Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.019	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.511	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.029	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.644	1	DS1	CO4	0.011	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.105	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.168	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
		DS3	CO12	0.168	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction	
0.309		DS4	CO17	0.053	✓	SE2200.00	Serviceability	Vibration in z-direction	
273	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000	4	DS1	CO2	0.076	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description					
					Ratio η [-]								
273	0.515 $\frac{1}{2}$ 0.000 ∞	1	DS1	CO2	<div></div>	0.511	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6				
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'				
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'				
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration				
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.027	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.027	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2				
			DS2	CO7	<div></div>	0.279	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.278	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2				
			DS4	CO17	<div></div>	0.009	✓	SE2100.00	Serviceability Vibration in y-direction				
		DS4	CO17	<div></div>	0.089	✓	SE2200.00	Serviceability Vibration in z-direction					
274	Beam 5 - R_M1 120/140 L : 1.030 m												
	0.000 ∞	4	DS1	CO2	<div></div>	0.020	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8				
	1.030 ∞	4	DS1	CO2	<div></div>	0.496	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section				
	0.000 ∞	2	DS1	CO2	<div></div>	0.031	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section				
	0.309	1	DS1	CO4	<div></div>	0.010	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6				
	1.030 ∞	1	DS1	CO2	<div></div>	1.037	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6				
	0.000 ∞		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'				
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'				
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration				
			DS2	CO7	<div></div>	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2				
			DS2	CO7	<div></div>	0.144	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.144	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2				
			DS4	CO17	<div></div>	0.005	✓	SE2100.00	Serviceability Vibration in y-direction				
			DS4	CO17	<div></div>	0.046	✓	SE2200.00	Serviceability Vibration in z-direction				
			0.721										
275	Beam 5 - R_M1 120/140 L : 1.030 m												
	1.030 ∞	4	DS1	CO2	<div></div>	0.023	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8				
	0.000 ∞	4	DS1	CO2	<div></div>	0.500	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section				
	1.030 ∞	2	DS1	CO2	<div></div>	0.034	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section				
	0.721	1	DS1	CO4	<div></div>	0.011	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6				
	0.000 ∞	1	DS1	CO2	<div></div>	1.041	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6				
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'				
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'				
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration				
			DS2	CO7	<div></div>	0.017	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.017	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2				
			DS2	CO7	<div></div>	0.141	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.141	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2				
			DS4	CO17	<div></div>	0.005	✓	SE2100.00	Serviceability Vibration in y-direction				
			DS4	CO17	<div></div>	0.045	✓	SE2200.00	Serviceability Vibration in z-direction				
			0.309										
276	Beam 5 - R_M1 120/140 L : 1.030 m												
	1.030 ∞	4	DS1	CO2	<div></div>	0.071	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section				
	0.515 $\frac{1}{2}$	1	DS1	CO2	<div></div>	0.535	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6				
	0.000 ∞		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'				
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'				
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration				
			DS2	CO7	<div></div>	0.029	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2				
	0.515 $\frac{1}{2}$		DS3	CO12	<div></div>	0.029	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2				
			DS2	CO7	<div></div>	0.291	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.291	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2				
			DS4	CO17	<div></div>	0.009	✓	SE2100.00	Serviceability Vibration in y-direction				
			DS4	CO17	<div></div>	0.093	✓	SE2200.00	Serviceability Vibration in z-direction				
			0.721										
277	Beam 5 - R_M1 120/140 L : 1.030 m												
	0.000 ∞	4	DS1	CO2	<div></div>	0.023	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8				
	1.030 ∞	4	DS1	CO2	<div></div>	0.502	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section				
	0.000 ∞	2	DS1	CO2	<div></div>	0.033	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section				
	0.309	1	DS1	CO4	<div></div>	0.010	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6				
	1.030 ∞	1	DS1	CO2	<div></div>	1.053	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6				
	0.000 ∞		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'				
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'				
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration				
			DS2	CO7	<div></div>	0.017	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.017	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2				
			DS2	CO7	<div></div>	0.146	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2				
			DS3	CO12	<div></div>	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2				
			DS4	CO17	<div></div>	0.005	✓	SE2100.00	Serviceability Vibration in y-direction				
			DS4	CO17	<div></div>	0.046	✓	SE2200.00	Serviceability Vibration in z-direction				
			0.721										
278	Beam 5 - R_M1 120/140 L : 1.030 m												
	1.030 ∞	4	DS1	CO2	<div></div>	0.022	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8				
	0.000 ∞	4	DS1	CO2	<div></div>	0.501	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section				
	1.030 ∞	2	DS1	CO2	<div></div>	0.032	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section				
	0.721	1	DS1	CO4	<div></div>	0.010	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6				



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
278	0.000	1	DS1	CO2	1.052	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.309		DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.147	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.146	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
		DS4	CO17	0.047	✓	SE2200.00	Serviceability Vibration in z-direction	
279	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.070	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 1/2	1	DS1	CO2	0.525	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.028	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.515 1/2		DS3	CO12	0.028	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.286	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.286	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.091	✓	SE2200.00	Serviceability Vibration in z-direction
280	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.000	4	DS1	CO2	0.021	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.503	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.032	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO4	0.009	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.060	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.721		DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.150	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
		DS3	CO12	0.149	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction	
		DS4	CO17	0.048	✓	SE2200.00	Serviceability Vibration in z-direction	
281	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.024	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.506	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.034	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	0.010	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.064	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.017	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.309		DS3	CO12	0.017	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.147	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
		DS3	CO12	0.147	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
		DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction	
		DS4	CO17	0.047	✓	SE2200.00	Serviceability Vibration in z-direction	
282	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.000	4	DS1	CO2	0.075	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 1/2	1	DS1	CO2	0.545	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
			DS2	CO7	0.030	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	0.515 1/2		DS3	CO12	0.030	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.297	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.296	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.094	✓	SE2200.00	Serviceability Vibration in z-direction
283	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.026	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.495	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.035	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO4	0.013	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.013	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
283	0.000		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.721		DS2	CO7	0.017	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.017	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.130	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.129	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.006	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.041	✓	SE2200.00	Serviceability	Vibration in z-direction
284	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.014	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.482	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.028	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.618	1	DS1	CO4	0.010	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.998	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.309		DS2	CO7	0.013	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.139	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.138	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.044	✓	SE2200.00	Serviceability	Vibration in z-direction
285	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.093	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.412	1	DS1	CO2	0.468	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.023	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.023	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.255	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.254	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.081	✓	SE2200.00	Serviceability	Vibration in z-direction
286	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000	4	DS1	CO2	0.010	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.532	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.021	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO1	0.031	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.258	1/4	DS1	CO2	0.003	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.234	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7	0.013	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.224	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.224	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.004	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.071	✓	SE2200.00	Serviceability	Vibration in z-direction
287	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000	4	DS1	CO2	0.054	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.590	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.054	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	0.007	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.299	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.033	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.033	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.183	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.183	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.010	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	0.058	✓	SE2200.00	Serviceability	Vibration in z-direction
288	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000	4	DS1	CO2	0.012	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.181	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.014	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	1	DS1	CO2	0.955	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description		
288	0.000		DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.515	1/2	DS2	CO7	0.053	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.053	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7	0.442	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.441	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	0.017	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17	0.141	✓	SE2200.00	Serviceability	Vibration in z-direction	
	289	Beam 5 - R_M1 120/140 L : 1.030 m								
1.030		4	DS1	CO2	0.063	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
			DS1	CO2	0.344	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
0.000		2	DS1	CO2	0.087	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
			DS1	CO4	0.085	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
0.000		1	DS1	CO2	0.972	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
0.721			DS2	CO7	0.032	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12	0.032	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
0.412			DS2	CO7	0.294	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.293	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
0.721			DS4	CO17	0.010	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17	0.094	✓	SE2200.00	Serviceability	Vibration in z-direction	
290	Beam 5 - R_M1 120/140 L : 1.030 m									
	1.030	4	DS1	CO2	0.014	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
			DS1	CO2	0.280	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
		1	DS1	CO3	0.628	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
			DS1	CO2	0.692	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
			DS2	CO7	0.159	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
	0.618		DS3	CO12	0.158	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	0.050	✓	SE2200.00	Serviceability	Vibration in z-direction	
	291	Beam 5 - R_M1 120/140 L : 1.030 m								
		0.000	4	DS1	CO2	0.036	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
				DS1	CO2	0.452	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
1.030		2	DS1	CO2	0.041	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
			DS1	CO4	0.024	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
0.644		1	DS1	CO4	0.004	✓	SP4200.00	Section Proof	Bending about z-axis acc. to 6.1.6	
			DS1	CO2	0.771	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
0.515		1/2	DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
0.000		3	DS1	CO2	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
			DS2	CO7	0.020	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
0.309			DS3	CO12	0.020	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7	0.046	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
0.824			DS3	CO12	0.046	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	0.006	✓	SE2100.00	Serviceability	Vibration in y-direction	
0.824		DS4	CO17	0.015	✓	SE2200.00	Serviceability	Vibration in z-direction		
292	Beam 5 - R_M1 120/140 L : 1.030 m									
	1.030	4	DS1	CO2	0.103	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
			DS1	CO2	0.004	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.257	2	DS1	CO2	0.623	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
	0.386	3	DS1	CO2	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS3	CO11	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.000		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
			DS2	CO7	0.035	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
	0.515	1/2	DS3	CO12	0.035	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7	0.331	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12	0.331	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17	0.011	✓	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17	0.105	✓	SE2200.00	Serviceability	Vibration in z-direction	
293	Beam 5 - R_M1 120/140 L : 1.030 m									
	0.000	4	DS1	CO2	0.032	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
			DS1	CO2	0.525	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	1.030	4	DS1	CO2	0.031	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
			DS1	CO4	0.009	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.309	1	DS1	CO4	1.108	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
	1.030	3	DS1	CO2	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS3	CO11	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.000		DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration	



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TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
293	0.644		DS2	CO7	0.020	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.020	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.156	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.155	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.006	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.721		DS4	CO17	0.049	✓	SE2200.00	Serviceability	Vibration in z-direction
294	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.020	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.508	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.022	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772 $\frac{3}{4}$	1	DS1	CO1	0.040	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.090	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.015	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.015	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.166	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.166	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	0.053	✓	SE2200.00	Serviceability	Vibration in z-direction
295	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000	4	DS1	CO2	0.076	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	3	DS1	CO2	0.506	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.026	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.026	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.276	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.275	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.008	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.088	✓	SE2200.00	Serviceability	Vibration in z-direction
296	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000	4	DS1	CO2	0.021	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.493	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.024	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.060	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.021	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7	0.015	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.015	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.143	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.142	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.721		DS4	CO17	0.045	✓	SE2200.00	Serviceability	Vibration in z-direction
297	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.024	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.497	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.027	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.070	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.025	✗	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.140	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.139	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	0.044	✓	SE2200.00	Serviceability	Vibration in z-direction
298	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.071	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 $\frac{1}{2}$	3	DS1	CO2	0.531	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.028	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.028	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.289	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2





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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
298	0.515 ½		DS3	CO12	<div></div>	0.288 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.009 ✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	<div></div>	0.092 ✓	SE2200.00	Serviceability	Vibration in z-direction
299	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000 ≡	4	DS1	CO2	<div></div>	0.024 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 ≡	4	DS1	CO2	<div></div>	0.500 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 ≡	2	DS1	CO2	<div></div>	0.026 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309 ≡	1	DS1	CO2	<div></div>	0.063 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 ≡	3	DS1	CO2	<div></div>	1.037 ⚠	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 ≡		DS2	CO6	<div></div>	0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7	<div></div>	0.016 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.016 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	<div></div>	0.144 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.144 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	<div></div>	0.005 ✓	SE2100.00	Serviceability	Vibration in y-direction
	0.721		DS4	CO17	<div></div>	0.046 ✓	SE2200.00	Serviceability	Vibration in z-direction
300	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030 ≡	4	DS1	CO2	<div></div>	0.022 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 ≡	4	DS1	CO2	<div></div>	0.498 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 ≡	2	DS1	CO2	<div></div>	0.025 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721 ≡	1	DS1	CO2	<div></div>	0.059 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 ≡	3	DS1	CO2	<div></div>	1.036 ⚠	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	<div></div>	0.015 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.015 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	<div></div>	0.145 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.145 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	<div></div>	0.005 ✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	<div></div>	0.046 ✓	SE2200.00	Serviceability	Vibration in z-direction
301	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030 ≡	4	DS1	CO2	<div></div>	0.070 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 ½	3	DS1	CO2	<div></div>	0.521 ✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 ≡		DS2	CO6	<div></div>	0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 ½		DS2	CO7	<div></div>	0.027 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.027 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.283 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.283 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.009 ✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	<div></div>	0.090 ✓	SE2200.00	Serviceability	Vibration in z-direction
302	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000 ≡	4	DS1	CO2	<div></div>	0.022 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030 ≡	4	DS1	CO2	<div></div>	0.500 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 ≡	2	DS1	CO2	<div></div>	0.025 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309 ≡	1	DS1	CO3	<div></div>	0.049 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030 ≡	3	DS1	CO2	<div></div>	1.045 ⚠	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000 ≡		DS2	CO6	<div></div>	0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7	<div></div>	0.015 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.015 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	<div></div>	0.148 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.148 ✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	<div></div>	0.005 ✓	SE2100.00	Serviceability	Vibration in y-direction
	0.721		DS4	CO17	<div></div>	0.047 ✓	SE2200.00	Serviceability	Vibration in z-direction
303	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030 ≡	4	DS1	CO2	<div></div>	0.026 ✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000 ≡	4	DS1	CO2	<div></div>	0.504 ✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 ≡	2	DS1	CO2	<div></div>	0.027 ✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721 ≡	1	DS1	CO3	<div></div>	0.057 ✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000 ≡	3	DS1	CO2	<div></div>	1.048 ⚠	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000 ✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000 ✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000 ✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	<div></div>	0.016 ✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.016 ✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	<div></div>	0.146 ✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
303	0.309		DS3	CO12	0.146	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.046	✓	SE2200.00	Serviceability Vibration in z-direction
304	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.000	4	DS1	CO2	0.075	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515	3	DS1	CO2	0.542	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.029	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.029	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.294	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.294	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.094	✓	SE2200.00	Serviceability Vibration in z-direction
305	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.000	4	DS1	CO2	0.027	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.492	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.028	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.091	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	0.995	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.128	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.127	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
306	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.478	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.021	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.058	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.981	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.012	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.012	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.137	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.137	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
307	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.094	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.412	3	DS1	CO2	0.461	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.022	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.022	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.251	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.250	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.080	✓	SE2200.00	Serviceability Vibration in z-direction
308	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.000	4	DS1	CO2	0.010	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.529	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.014	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.206	1	DS1	CO2	0.063	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.258	1	DS1	CO3	0.002	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.221	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.013	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.013	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.223	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
308	0.644		DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.071	✓	SE2200.00	Serviceability Vibration in z-direction
309	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.515 ½	1	DS1	CO2	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000	4	DS1	CO2	0.056	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.590	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.045	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.773 ¾	1	DS1	CO3	0.127	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.284	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.258 ¼	3	DS1	CO2	0.775	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	0.000		DS2	CO6	0.000	✓	SE100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.031	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.031	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.181	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.181	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.010	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.058	✓	SE2200.00	Serviceability Vibration in z-direction
310	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.129	4	DS1	CO2	0.013	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.182	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.012	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	3	DS1	CO2	0.956	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE100.10	Serviceability Negligible deflection of vibration
	0.515 ½		DS2	CO7	0.052	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.052	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.441	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.440	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.017	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.140	✓	SE2200.00	Serviceability Vibration in z-direction
311	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.063	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.346	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.077	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO1	0.278	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.964	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	0.030	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.030	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.412		DS2	CO7	0.292	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.292	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.721		DS4	CO17	0.010	✓	SE2100.00	Serviceability Vibration in y-direction
	0.412		DS4	CO17	0.093	✓	SE2200.00	Serviceability Vibration in z-direction
312	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.280	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		1	DS1	CO3	0.627	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
		3	DS1	CO2	0.691	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE100.10	Serviceability Negligible deflection of vibration
	0.618		DS2	CO7	0.158	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.158	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.050	✓	SE2200.00	Serviceability Vibration in z-direction
313	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.000	4	DS1	CO2	0.036	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.452	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.041	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.644	1	DS1	CO4	0.024	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.515 ½	1	DS1	CO4	0.004	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	0.000	1	DS1	CO2	0.770	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE100.10	Serviceability Negligible deflection of vibration
	0.309		DS2	CO7	0.020	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.020	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.824		DS2	CO7	0.046	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
313	0.824		DS3	CO12	0.046	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.309		DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
	0.824		DS4	CO17	0.015	✓	SE2200.00	Serviceability Vibration in z-direction
314	Beam 5 - R_M1 120/140 L: 1.030 m							
	1.030	4	DS1	CO2	0.103	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.004	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO2	0.621	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.035	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.035	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.331	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.330	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.011	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.105	✓	SE2200.00	Serviceability Vibration in z-direction
315	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.000	4	DS1	CO2	0.032	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.526	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.031	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO5	0.029	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.111	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.020	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.020	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.157	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.156	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.006	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.050	✓	SE2200.00	Serviceability Vibration in z-direction
316	Beam 5 - R_M1 120/140 L: 1.030 m							
	1.030	4	DS1	CO2	0.020	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.507	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.023	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.772	3/4	DS1	CO1	0.041	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.087	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.015	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.015	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.165	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.165	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.053	✓	SE2200.00	Serviceability Vibration in z-direction
317	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.000	4	DS1	CO2	0.076	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.515	1/2	DS1	CO2	0.508	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.027	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.027	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.277	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.276	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.008	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.088	✓	SE2200.00	Serviceability Vibration in z-direction
318	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.000	4	DS1	CO2	0.021	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.493	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.024	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO3	0.055	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.020	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.015	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.015	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.143	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.142	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
318	0.644		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.045	✓	SE2200.00	Serviceability Vibration in z-direction
319	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.024	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.497	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.027	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.069	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.026	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.140	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.140	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.045	✓	SE2200.00	Serviceability Vibration in z-direction
320	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.071	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 1/2	1	DS1	CO2	0.531	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 1/2		DS2	CO7	0.028	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.028	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.289	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.288	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.092	✓	SE2200.00	Serviceability Vibration in z-direction
321	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.000	4	DS1	CO2	0.024	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.500	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.026	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO2	0.063	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	1	DS1	CO2	1.037	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.144	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.144	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.046	✓	SE2200.00	Serviceability Vibration in z-direction
322	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.022	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.498	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.025	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.059	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	1	DS1	CO2	1.035	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.015	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.015	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.145	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.145	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.046	✓	SE2200.00	Serviceability Vibration in z-direction
323	Beam 5 - R_M1 120/140 L : 1.030 m							
	1.030	4	DS1	CO2	0.070	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 1/2	1	DS1	CO2	0.521	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 1/2		DS2	CO7	0.027	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.027	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.284	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.283	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.090	✓	SE2200.00	Serviceability Vibration in z-direction



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description		
					Ratio η [-]					
324	Beam 5 - R_M1 120/140 L : 1.030 m									
	0.000 \nless	4	DS1	CO2		0.022 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	1.030 \nless	4	DS1	CO2		0.500 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.000 \nless	2	DS1	CO2		0.025 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.309 \nless	1	DS1	CO3		0.049 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	1.030 \nless	1	DS1	CO2		1.045 !	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000 \nless		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.644		DS2	CO7		0.015 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.015 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.721		DS2	CO7		0.148 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.148 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	0.644		DS4	CO17		0.005 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
	0.721		DS4	CO17		0.047 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
325	Beam 5 - R_M1 120/140 L : 1.030 m									
	1.030 \nless	4	DS1	CO2		0.026 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	0.000 \nless	4	DS1	CO2		0.504 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	1.030 \nless	2	DS1	CO2		0.027 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.721 \nless	1	DS1	CO3		0.057 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.000 \nless	1	DS1	CO2		1.049 !	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.386		DS2	CO7		0.016 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.016 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.309		DS2	CO7		0.146 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.146 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	0.386		DS4	CO17		0.005 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
	0.309		DS4	CO17		0.046 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
326	Beam 5 - R_M1 120/140 L : 1.030 m									
	0.000 \nless	4	DS1	CO2		0.075 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	0.515 $\frac{1}{2}$	1	DS1	CO2		0.542 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
	0.000 \nless		DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.515 $\frac{1}{2}$		DS2	CO7		0.029 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.029 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
			DS2	CO7		0.294 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.294 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
			DS4	CO17		0.009 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
			DS4	CO17		0.094 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
	327	Beam 5 - R_M1 120/140 L : 1.030 m								
		0.000 \nless	4	DS1	CO2		0.027 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
		1.030 \nless	4	DS1	CO2		0.492 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
0.000 \nless		2	DS1	CO2		0.029 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
0.309 \nless		1	DS1	CO2		0.091 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
1.030 \nless		1	DS1	CO2		0.995 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
0.000 \nless			DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration	
0.644			DS2	CO7		0.016 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.016 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
0.721			DS2	CO7		0.128 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.128 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
0.644			DS4	CO17		0.005 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
0.721			DS4	CO17		0.041 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	
328	Beam 5 - R_M1 120/140 L : 1.030 m									
	1.030 \nless	4	DS1	CO2		0.014 \checkmark	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8	
	0.000 \nless	4	DS1	CO2		0.478 \checkmark	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section	
	1.030 \nless	2	DS1	CO2		0.021 \checkmark	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section	
	0.721 \nless	1	DS1	CO2		0.058 \checkmark	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6	
	0.000 \nless	1	DS1	CO2		0.981 \checkmark	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6	
			DS2	CO6		0.000 \checkmark	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'	
			DS3	CO11		0.000 \checkmark	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'	
			DS4	CO16		0.000 \checkmark	SE0100.10	Serviceability	Negligible deflection of vibration	
	0.386		DS2	CO7		0.012 \checkmark	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2	
			DS3	CO12		0.012 \checkmark	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2	
	0.309		DS2	CO7		0.137 \checkmark	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2	
			DS3	CO12		0.137 \checkmark	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2	
	0.386		DS4	CO17		0.004 \checkmark	SE2100.00	Serviceability	Vibration in y-direction	
	0.309		DS4	CO17		0.044 \checkmark	SE2200.00	Serviceability	Vibration in z-direction	



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
329	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	<div></div>	0.094	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	<div></div>	0.003	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.412	1	DS1	CO2	<div></div>	0.461	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.022	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.022	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.251	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.251	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.007	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	<div></div>	0.080	✓	SE2200.00	Serviceability Vibration in z-direction
330	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.000 \pm	4	DS1	CO2	<div></div>	0.010	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	<div></div>	0.529	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	<div></div>	0.014	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.206	1	DS1	CO2	<div></div>	0.063	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.258 $\frac{1}{4}$	1	DS1	CO3	<div></div>	0.002	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	1.030 \pm	1	DS1	CO2	<div></div>	1.220	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	<div></div>	0.013	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.013	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.223	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
331	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.515 $\frac{1}{2}$	1	DS1	CO2	<div></div>	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.000 \pm	4	DS1	CO2	<div></div>	0.056	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	<div></div>	0.590	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	2	DS1	CO2	<div></div>	0.045	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.773 $\frac{3}{4}$	1	DS1	CO3	<div></div>	0.127	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2	<div></div>	1.284	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.773 $\frac{3}{4}$	7	DS1	CO2	<div></div>	0.143	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	0.309	1	DS1	CO2	<div></div>	0.676	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	<div></div>	0.031	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
332	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.129	4	DS1	CO2	<div></div>	0.013	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	<div></div>	0.182	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	<div></div>	0.012	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030 \pm	1	DS1	CO2	<div></div>	0.955	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	<div></div>	0.052	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.052	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	<div></div>	0.441	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	<div></div>	0.440	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	<div></div>	0.017	✓	SE2100.00	Serviceability Vibration in y-direction
333	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030 \pm	4	DS1	CO2	<div></div>	0.063	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	<div></div>	0.346	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000 \pm	2	DS1	CO2	<div></div>	0.077	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO1	<div></div>	0.278	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	1	DS1	CO2	<div></div>	0.963	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	<div></div>	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	<div></div>	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	<div></div>	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	<div></div>	0.030	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	<div></div>	0.030	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.412		DS2	CO7	<div></div>	0.292	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2





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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
333	0.412		DS3	CO12	0.291	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.721		DS4	CO17	0.010	✓	SE2100.00	Serviceability Vibration in y-direction
	0.412		DS4	CO17	0.093	✓	SE2200.00	Serviceability Vibration in z-direction
338	Beam 5 - R_M1 120/140 L: 1.030 m							
	1.030	4	DS1	CO2	0.039	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.295	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.075	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.644	1	DS1	CO4	0.082	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	0.780	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.309		DS2	CO7	0.029	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.029	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.618		DS2	CO7	0.239	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.239	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.309		DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
	0.618		DS4	CO17	0.076	✓	SE2200.00	Serviceability Vibration in z-direction
339	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.000	4	DS1	CO2	0.054	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.144	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.016	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
		3	DS1	CO2	0.770	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.047	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.047	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.376	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.375	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.015	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.120	✓	SE2200.00	Serviceability Vibration in z-direction
340	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.644	4	DS1	CO2	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.547	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.044	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.258	1/4	DS1	CO4	0.017	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.183	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.644		DS2	CO7	0.028	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.028	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.721		DS2	CO7	0.165	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.164	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.644		DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
	0.721		DS4	CO17	0.052	✓	SE2200.00	Serviceability Vibration in z-direction
341	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.129	4	DS1	CO2	0.055	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.502	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.025	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO2	0.040	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.144	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.014	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.014	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.197	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.197	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.063	✓	SE2200.00	Serviceability Vibration in z-direction
342	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.129	4	DS1	CO2	0.029	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.098	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.901	2	DS1	CO2	0.002	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.644	3	DS1	CO2	0.472	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515	1/2	DS2	CO7	0.024	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.024	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
342	0.515 $\frac{1}{2}$		DS2	CO7	0.255	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.255	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.008	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.081	✓	SE2200.00	Serviceability Vibration in z-direction
343	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.773 $\frac{3}{4}$	4	DS1	CO2	0.012	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.477	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.030	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.412	1	DS1	CO4	0.010	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	3	DS1	CO2	0.971	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	0.014	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.014	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.126	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.126	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.004	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.040	✓	SE2200.00	Serviceability Vibration in z-direction
344	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.258 $\frac{1}{4}$	4	DS1	CO2	0.043	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.468	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.033	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	0.011	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	0.982	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.309		DS2	CO7	0.017	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.017	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.135	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.134	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.043	✓	SE2200.00	Serviceability Vibration in z-direction
345	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.129	4	DS1	CO2	0.038	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.083	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.001	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.618	3	DS1	CO2	0.510	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 $\frac{1}{2}$		DS2	CO7	0.028	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.028	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.278	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.277	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.088	✓	SE2200.00	Serviceability Vibration in z-direction
346	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.773 $\frac{3}{4}$	4	DS1	CO2	0.014	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	1.030 \pm	4	DS1	CO2	0.491	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.033	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO4	0.010	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	1.030 \pm	3	DS1	CO2	1.006	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000 \pm		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	0.016	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.131	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.130	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.042	✓	SE2200.00	Serviceability Vibration in z-direction
347	Beam 5 - R_M1 120/140 L : 1.030 m							
	0.258 $\frac{1}{4}$	4	DS1	CO2	0.052	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000 \pm	4	DS1	CO2	0.473	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.032	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	0.009	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000 \pm	3	DS1	CO2	1.008	✗	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description	
					Ratio η [-]				
347	0.309		DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.145	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.144	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.046	✓	SE2200.00	Serviceability	Vibration in z-direction
348	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.129	4	DS1	CO2	0.018	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.082	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.515 ½	3	DS1	CO2	0.491	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE1000.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 ½		DS2	CO7	0.026	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.026	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.268	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.268	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.008	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.085	✓	SE2200.00	Serviceability	Vibration in z-direction
349	Beam 5 - R_M1 120/140 L : 1.030 m								
	1.030	4	DS1	CO2	0.476	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	0.129	2	DS1	CO2	0.032	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.309	1	DS1	CO4	0.012	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	0.977	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.721		DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.129	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.128	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.041	✓	SE2200.00	Serviceability	Vibration in z-direction
350	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.258 ¼	4	DS1	CO2	0.021	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.466	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.030	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.721	1	DS1	CO4	0.010	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.979	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.386		DS2	CO7	0.016	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.016	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.137	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.137	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.005	✓	SE2100.00	Serviceability	Vibration in y-direction
	0.309		DS4	CO17	0.043	✓	SE2200.00	Serviceability	Vibration in z-direction
351	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.129	4	DS1	CO2	0.110	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.079	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
	1.030	2	DS1	CO2	0.006	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.515 ½	3	DS1	CO2	0.503	✓	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.515 ½		DS2	CO7	0.027	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.027	✓	SE1100.02	Serviceability	Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.274	✓	SE1200.01	Serviceability	Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.274	✓	SE1200.02	Serviceability	Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.009	✓	SE2100.00	Serviceability	Vibration in y-direction
			DS4	CO17	0.087	✓	SE2200.00	Serviceability	Vibration in z-direction
352	Beam 5 - R_M1 120/140 L : 1.030 m								
	0.901	4	DS1	CO2	0.086	✓	SP2100.00	Section Proof	Shear due to torsion acc. to 6.1.8
	1.030	4	DS1	CO2	0.575	✓	SP3100.00	Section Proof	Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.029	✓	SP3200.00	Section Proof	Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO4	0.019	✓	SP4100.00	Section Proof	Bending about y-axis acc. to 6.1.6
	1.030	3	DS1	CO2	1.277	!	SP4300.00	Section Proof	Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability	Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability	Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability	Negligible deflection of vibration
	0.644		DS2	CO7	0.015	✓	SE1100.01	Serviceability	Combination of actions 'Characteristic' y-direction acc. to 7.2



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Sheet 1

TIMBER

10.9.2

DESIGN RATIOS ON MEMBERS BY MEMBER

Timber Design

Member No.	Location x [m]	Stress Point No.	Design Situation	Loading No.	Design Check		Type	Description
					Ratio η [-]			
352	0.644		DS3	CO12	0.015	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.206	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.205	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.005	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.065	✓	SE2200.00	Serviceability Vibration in z-direction
353	Beam 5 - R_M1 120/140 L: 1.030 m							
	0.515 1/2	1	DS1	CO2	0.001	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	0.386	4	DS1	CO2	0.073	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.608	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.048	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.773 3/4	1	DS1	CO1	0.072	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	1.318	!	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.258 1/4	3	DS1	CO2	0.792	✓	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.386		DS2	CO7	0.030	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.030	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.309		DS2	CO7	0.184	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.184	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.386		DS4	CO17	0.010	✓	SE2100.00	Serviceability Vibration in y-direction
	0.309		DS4	CO17	0.059	✓	SE2200.00	Serviceability Vibration in z-direction
354	Beam 5 - R_M1 120/140 L: 1.030 m							
	1.030	4	DS1	CO2	0.136	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	0.000	4	DS1	CO2	0.133	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
		2	DS1	CO2	0.023	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	1.030	3	DS1	CO2	0.811	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	0.000		DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.515 1/2		DS2	CO7	0.052	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.052	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
			DS2	CO7	0.403	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.402	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
			DS4	CO17	0.016	✓	SE2100.00	Serviceability Vibration in y-direction
			DS4	CO17	0.128	✓	SE2200.00	Serviceability Vibration in z-direction
355	Beam 5 - R_M1 120/140 L: 1.030 m							
	1.030	4	DS1	CO2	0.043	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
		4	DS1	CO2	0.294	✓	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	0.000	2	DS1	CO2	0.076	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	0.386	1	DS1	CO3	0.467	✓	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	0.000	3	DS1	CO2	0.795	✓	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
			DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
			DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
			DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration
	0.721		DS2	CO7	0.031	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
			DS3	CO12	0.031	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	0.412		DS2	CO7	0.249	✓	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2
			DS3	CO12	0.248	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	0.721		DS4	CO17	0.010	✓	SE2100.00	Serviceability Vibration in y-direction
	0.412		DS4	CO17	0.079	✓	SE2200.00	Serviceability Vibration in z-direction

11 Design Overview



11.1

DESIGN OVERVIEW

Design Overview

	Addon	Type	Objects		Location [m]	Design Situation	Loading No.	Design Check		Description
			No.					Ratio η [-]	Type	
	Timber Design	Member	208		x: 0.000	DS1	CO2	1.857	SP5300.00	Section Proof Biaxial bending and tensile axial force acc. to 6.2.3
	Timber Design	Member	207		x: 1.030	DS1	CO2	1.651	SP4300.00	Section Proof Biaxial bending acc. to 6.1.6
	Timber Design	Member	76		x: 5.100	DS1	CO2	1.006	SP6300.00	Section Proof Biaxial bending and compressive axial force acc. to 6.2.4
	Timber Design	Member	83		x: 4.360	DS4	CO17	0.856	SE2200.00	Serviceability Vibration in z-direction
	Timber Design	Member	208		x: 0.000	DS1	CO2	0.812	SP3100.00	Section Proof Shear in z-axis acc. to 6.1.7 Rectangular section
	Timber Design	Member	207		x: 0.515	DS1	CO2	0.778	SP4100.00	Section Proof Bending about y-axis acc. to 6.1.6
	Timber Design	Member	210		x: 0.515	DS2	CO7	0.642	SE1200.01	Serviceability Combination of actions 'Characteristic' z-direction acc. to 7.2





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Sheet 1

RESULTS

11.1

DESIGN OVERVIEW

Design Overview

	Addon	Type	Objects	Location [m]	Design Situation	Loading No.	Design Check		Type	Description
			No.				Ratio η [-]			
	Timber Design	Member	210	x: 0.515	DS3	CO12	0.640	✓	SE1200.02	Serviceability Combination of actions 'Quasi-permanent 1' z-direction acc. to 7.2
	Timber Design	Member	44	x: 1.000	DS1	CO2	0.625	✓	SP6100.00	Section Proof Bending about y-axis and compressive axial force acc. to 6.2.4
	Timber Design	Member	39	x: 5.800	DS1	CO2	0.501	✓	SP5100.00	Section Proof Bending about y-axis and tensile axial force acc. to 6.2.3
	Timber Design	Member	193	x: 1.030	DS1	CO2	0.256	✓	SP2100.00	Section Proof Shear due to torsion acc. to 6.1.8
	Timber Design	Member	84	x: 1.480	DS4	CO17	0.173	✓	SE2100.00	Serviceability Vibration in y-direction
	Timber Design	Member	211	x: 0.000	DS1	CO2	0.156	✓	SP3200.00	Section Proof Shear in y-axis acc. to 6.1.7 Rectangular section
	Timber Design	Member	83	x: 0.000	DS1	CO2	0.097	✓	SP1200.00	Section Proof Compression along grain acc. to 6.1.4
	Timber Design	Member	84	x: 1.480	DS2	CO7	0.083	✓	SE1100.01	Serviceability Combination of actions 'Characteristic' y-direction acc. to 7.2
	Timber Design	Member	84	x: 1.480	DS3	CO12	0.083	✓	SE1100.02	Serviceability Combination of actions 'Quasi-permanent 1' y-direction acc. to 7.2
	Timber Design	Member	86	x: 6.800	DS1	CO5	0.081	✓	SP4200.00	Section Proof Bending about z-axis acc. to 6.1.6
	Timber Design	Member	78	x: 6.800	DS1	CO2	0.070	✓	SP6200.00	Section Proof Bending about z-axis and compressive axial force acc. to 6.2.4
	Timber Design	Member	88	x: 3.400	DS1	CO2	0.032	✓	SP1100.00	Section Proof Tension along grain acc. to 6.1.2
	Timber Design	Member	68	x: 1.515	DS1	CO1	0.027	✓	SP5200.00	Section Proof Bending about z-axis and tensile axial force acc. to 6.2.3
	Timber Design	Member	1-4,7,10,13-17,20,21,24-29,32,33,36-41,44,45,48-53,56,57,60-65,68,69,72-77,80,81,84-88,133,155,193	x: 6.800	DS1	CO1	0.000	✓	SP0100.00	Section Proof Negligible internal forces
	Timber Design	Member	1-256,268-333,338-355	x: 0.000	DS2	CO6	0.000	✓	SE0100.01	Serviceability Negligible deflection Combination of actions 'Characteristic'
	Timber Design	Member	1-256,268-333,338-355	x: 0.000	DS3	CO11	0.000	✓	SE0100.02	Serviceability Negligible deflection Combination of actions 'Quasi-permanent 1'
	Timber Design	Member	1-256,268-333,338-355	x: 0.000	DS4	CO16	0.000	✓	SE0100.10	Serviceability Negligible deflection of vibration



Project:

Subject:

Designer:

Date:

Eurocode 1

Wind load on duopitch roofs (external and internal pressure coefficients)

Description:

Calculation of wind load action effects on duopitch roofs. The net effect of external and internal wind pressure for zones F, G, H, I, J on the roof surface are calculated from the corresponding external pressure coefficients

According to:

EN 1991-1-4:2005+A1:2010 Section 7.2.5

Applicable for:

Duopitch roofs with slope α of $-45^\circ \leq \alpha \leq +75^\circ$, consisting of one skin, on buildings having permanent side walls.

Supported

National

Annexes:

A) Calculation of pressure coefficients: Only countries that adopt CEN recommended values for section 7.2.5 of EN1991-1-4 are supported. B) Peak velocity pressure: The value can be specified manually. Otherwise automatic calculation of peak velocity pressure is supported for countries that adopt the CEN recommended values for the related NDPs, and also for the following National Annexes: Finland, Portugal. The National Annexes of Germany, Norway, Spain, Sweden, Switzerland are NOT supported.

Input

Terrain category	=	II	▼
Basic wind velocity	$V_b =$	20	m/s
Direction of the wind (0° = Wind perpendicular to ridge, 90° = Wind parallel to ridge)	$\theta =$	0 degrees	▼ °
Horizontal dimension of rectangular plan parallel to the wind direction	$d =$	13.5	m
Horizontal dimension of rectangular plan perpendicular to the wind direction (crosswind dimension)	$b =$	22.6	m
Height of building from ground up to roof level	$h =$	8	m
Roof pitch angle	$\alpha =$	-6	°

Size of loaded area that produces the wind action for the examined verification	=	>10m ² (C _{pe,10})	✓
Orography factor at reference height z_e	$C_0(z_e)$	=	1
Building with a dominant face in terms of openings	=	No	✓
Minimum value of internal pressure coefficient	$C_{pi,min}$	=	-0.3
Maximum value of internal pressure coefficient	$C_{pi,max}$	=	0.2

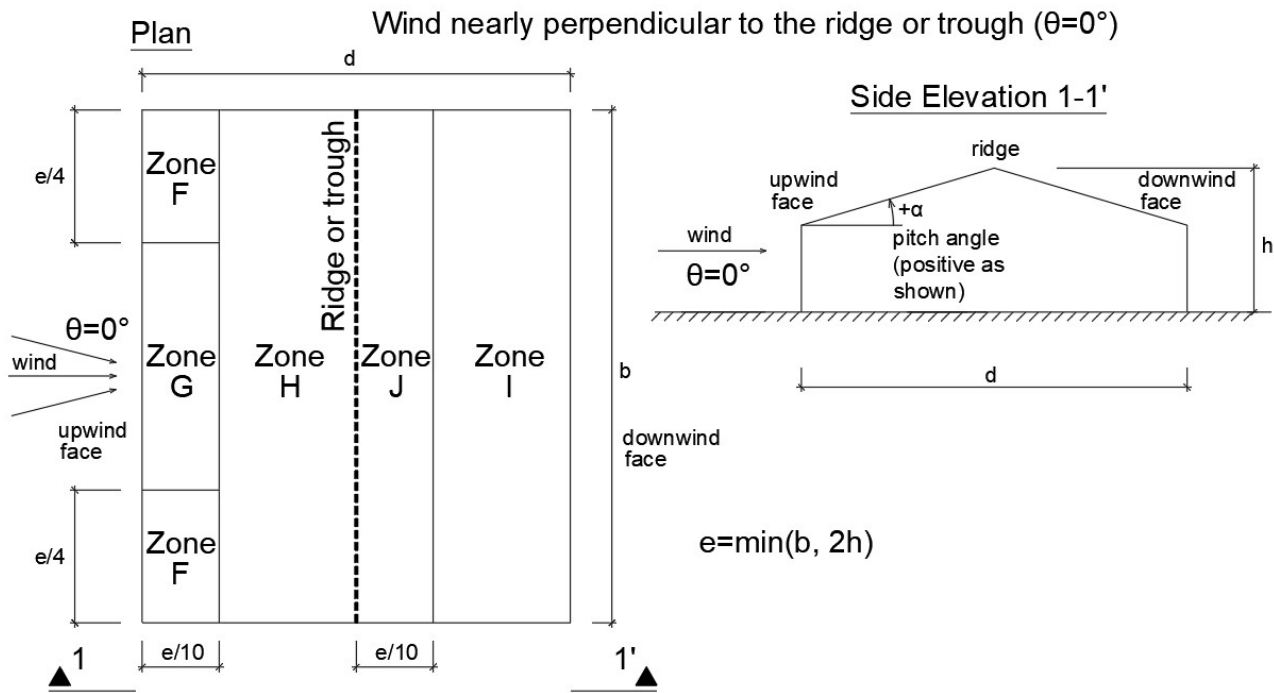
Nationally Defined Parameters

Air density	ρ	=	1.25	kg/m ³
Additional rules defined in the National Annex for the calculation of peak velocity pressure $q_p(z_e)$	=	None		
External pressure coefficients c_{pe}	=	Default		✓

Results

Net wind pressure on zone F	$w_{net,F}$	=	-1.394 kN/m ²
Net wind pressure on zone G	$w_{net,G}$	=	-0.780 kN/m ²
Net wind pressure on zone H	$w_{net,H}$	=	-0.559 kN/m ²
Net wind pressure on zone I	$w_{net,I}$	=	-0.437 kN/m ²
Net wind pressure on zone J	$w_{net,J}$	=	-0.448 kN/m ²

Characteristic length e	$e = \min(b, 2h)$	=	16.000 m
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Pressure zones for duopitch roofs, reproduced from EN1991-1-4 Figure 7.8 - Case $\theta = 0^\circ$

Notes

1. The calculated net wind pressure w_{net} corresponds to the overall wind effect on the surface including both the external wind pressure and the internal wind pressure.
2. Pressure zones that are not applicable for the examined structure are denoted by N/A.
3. The sign convention for the net pressure is the same as its external pressure part. Negative pressure values correspond to suction directed away from the surface i.e. inducing uplift on the roof.
4. For the case $\theta = 0^\circ$ both positive and negative wind pressure is given for some zones. For $\theta = 0^\circ$ four cases should be examined combining largest and smallest values on the two faces of the duopitch roof. See the details below for a detailed description of the pressure application rule for this case.
5. The calculated wind action effects are characteristic values (unfactored). Appropriate load factors should be applied for the relevant design situation. For ULS verifications the partial load factor $\gamma_Q = 1.50$ is applicable for variable actions.
6. According to EN1991-1-4 §7.2.1(1) for intermediate loaded areas A between 1m^2 and 10m^2 the external pressure coefficient c_{pe} may be calculated between the values $c_{pe,1}$ and $c_{pe,10}$ with logarithmic interpolation: $c_{pe} = c_{pe,1} - (c_{pe,1} - c_{pe,10}) \cdot \log_{10} A$.
7. According to EN1991-1-4 §7.2.9(2) when in at least two sides of the building (facades or roof) the total area of openings is more than 30% of the area of that side, the wind action should be calculated in accordance with EN1991-1-4 §7.3 and §7.4 instead (canopy roofs and free-standing walls)

Details

Input Data

- Terrain category: = II
- Basic wind velocity: $v_b = 20 \text{ m/s}$
- Direction of the wind (0° = Wind perpendicular to ridge, 90° = Wind parallel to ridge): $\theta = 0^\circ$

- Horizontal dimension of rectangular plan parallel to the wind direction: $d = 13.5 \text{ m}$
- Horizontal dimension of rectangular plan perpendicular to the wind direction (crosswind dimension): $b = 22.6 \text{ m}$
- Height of building from ground up to roof level: $h = 8 \text{ m}$
- Roof pitch angle: $\alpha = -6^\circ$
- Size of loaded area that produces the wind action for the examined verification: $= >10\text{m}^2$ ($C_{pe,10}$)
- Orography factor at reference height z_e : $c_0(z_e) = 1$
- Building with a dominant face in terms of openings: = No
- Minimum value of internal pressure coefficient: $c_{pi,min} = -0.3$
- Maximum value of internal pressure coefficient: $c_{pi,max} = 0.2$
- Ratio of area of the openings at the dominant face to the area of openings in the remaining faces: $A_{o,dom}/A_{o,rest} = 2$
- Area weighted value of the external pressure coefficient for the zones of the dominant face: $c_{pe,dominant} = 0$

Nationally Defined Parameters

- Air density: $\rho = 1.25 \text{ kg/m}^3$
- Additional rules defined in the National Annex for the calculation of peak velocity pressure $q_p(z_e)$: = None
- External pressure coefficients c_{pe} : = Default

Calculation of peak velocity pressure

Reference height

The reference height for the wind action z_e is equal to the maximum height above ground of the roof of the building h as specified in [EN1991-1-4 §7.2.5\(1\)](#). Therefore:

$$z_e = h = 8.000 \text{ m}$$

Basic wind velocity

The basic wind velocity v_b is defined in [EN1991-1-4 §4.2\(2\)P](#) as a function of the wind direction and time of year at 10 m above ground of terrain category II. The value of v_b includes the effects of the directional factor c_{dir} and the seasonal factor c_{season} and it is provided in the National Annex. In the following calculations the basic wind velocity is considered as $v_b = 20.00 \text{ m/s}$.

Terrain roughness

The roughness length z_0 and the minimum height z_{min} are specified in [EN1991-1-4 Table 4.1](#) as a function of the terrain category. For terrain category II the corresponding values are $z_0 = 0.050 \text{ m}$ and $z_{min} = 2.0 \text{ m}$.

The terrain factor k_r depending on the roughness length $z_0 = 0.050 \text{ m}$ is calculated in accordance with [EN1991-1-4 equation \(4.5\)](#):

$$k_r = 0.19 \cdot (z_0 / z_{0,II})^{0.07} = 0.19 \cdot (0.050 \text{ m} / 0.050 \text{ m})^{0.07} = 0.1900$$

The roughness factor $c_r(z_e)$ at the reference height z_e accounts for the variability of the mean wind velocity at the site. It is calculated in accordance with [EN1991-1-4 equation 4.4](#). For the examined case $z_e \geq z_{min}$:

$$c_r(z_e) = k_r \cdot \ln(\max\{z_e, z_{min}\} / z_0) = 0.1900 \cdot \ln(\max\{8.000 \text{ m}, 2.0 \text{ m}\} / 0.050 \text{ m}) = 0.9643$$

Orography factor

Where orography (e.g. hills, cliffs etc.) is significant its effect in the wind velocities should be taken into account using an orography factor $c_0(z_e)$ different than 1.0, as specified in [EN1991-1-1 §4.3.3](#).

The recommended procedure in [EN1994-1-1 §4.3.3](#) for calculation of the orography factor $c_0(z_e)$ is described in [EN1994-1-1 §A.3](#).

In the following calculations the orography factor is considered as $c_0(z_e) = 1.000$.

Mean wind velocity

The mean wind velocity $v_m(z_e)$ at reference height z_e depends on the terrain roughness, terrain orography and the basic wind velocity v_b . It is determined using [EN1991-1-4 equation \(4.3\)](#):

$$v_m(z_e) = c_r(z_e) \cdot c_0(z_e) \cdot v_b = 0.9643 \cdot 1.000 \cdot 20.00 \text{ m/s} = 19.29 \text{ m/s}$$

Wind turbulence

The turbulence intensity $I_v(z_e)$ at reference height z_e is defined as the standard deviation of the turbulence divided by the mean wind velocity. It is calculated in accordance with [EN1991-1-4 equation 4.7](#). For the examined case $z_e \geq z_{\min}$.

$$I_v(z_e) = k_1 / [c_0(z_e) \cdot \ln(\max\{z_e, z_{\min}\} / z_0)] = 1.000 / [1.000 \cdot \ln(\max\{8.000 \text{ m}, 2.0 \text{ m}\} / 0.050 \text{ m})] = 0.1970$$

Basic velocity pressure

The basic velocity pressure q_b is the pressure corresponding to the wind momentum determined at the basic wind velocity v_b . The basic velocity pressure is calculated according to the fundamental relation specified in [EN1991-1-4 §4.5\(1\)](#):

$$q_b = (1/2) \cdot \rho \cdot v_b^2 = (1/2) \cdot 1.25 \text{ kg/m}^3 \cdot (20.00 \text{ m/s})^2 = 250 \text{ N/m}^2 = 0.250 \text{ kN/m}^2$$

where ρ is the density of the air in accordance with [EN1991-1-4 §4.5\(1\)](#). In this calculation the following value is considered: $\rho = 1.25 \text{ kg/m}^3$. Note that by definition $1 \text{ N} = 1 \text{ kg} \cdot \text{m/s}^2$.

Peak velocity pressure

The peak velocity pressure $q_p(z_e)$ at reference height z_e includes mean and short-term velocity fluctuations. It is determined according to [EN1991-1-4 equation 4.8](#):

$$q_p(z_e) = (1 + 7 \cdot I_v(z_e)) \cdot (1/2) \cdot \rho \cdot v_m(z_e)^2 = (1 + 7 \cdot 0.1970) \cdot (1/2) \cdot 1.25 \text{ kg/m}^3 \cdot (19.29 \text{ m/s})^2 = 553 \text{ N/m}^2$$

$$\Rightarrow q_p(z_e) = 0.553 \text{ kN/m}^2$$

Note that by definition $1 \text{ N} = 1 \text{ kg} \cdot \text{m/s}^2$.

Calculation of the distribution of external wind pressure on the duopitch roof

Pressure coefficient type

The external pressure coefficients are divided into overall coefficients $c_{pe,10}$ and local coefficients $c_{pe,1}$ as described in [EN1991-1-4 §7.1.1\(1\) and §7.2.1\(1\)](#). Local coefficients $c_{pe,1}$ correspond to wind pressure for loaded areas $\leq 1 \text{ m}^2$ and they may be used for the design of small elements and fixings with an area per element of 1 m^2 or less such as cladding elements and roofing elements. Overall coefficients $c_{pe,10}$ correspond to wind pressure for loaded areas $\geq 10 \text{ m}^2$ and they may be used for the design of the overall load bearing structure.

According to [EN1991-1-4 §7.2.1\(1\)](#) for intermediate loaded areas A between 1 m^2 and 10 m^2 the external pressure coefficient c_{pe} may be calculated between the values $c_{pe,1}$ and $c_{pe,10}$ with logarithmic interpolation as follows:

$$c_{pe} = c_{pe,1} - (c_{pe,1} - c_{pe,10}) \cdot \log_{10} A$$

In the examined calculation the provided external pressure corresponds to coefficient $c_{pe,10}$ i.e. the results are applicable for global verifications.

External pressure coefficients

In the examined case the wind direction is perpendicular or nearly perpendicular to the ridge or trough of the duopitch roof (i.e. $\theta = 0^\circ$). For this case the wind load on the structure is expressed in terms of external pressure coefficients for five zones F, G, H, I, J as defined in [EN1991-1-4 Figure 7.8\(b\)](#) that is reproduced above. The extent of the zones depends on the length e that is defined as:

$$e = \min(b, 2h) = \min(22.600 \text{ m}, 2 \cdot 8.000 \text{ m}) = 16.000 \text{ m}$$

Zone F extends on the upwind roof face starting from both of the upwind corners for length $e/10$ and width $e/4$. Zone G extends on the upwind roof face between Zones F. Zone H extends on the upwind roof face for length from $e/10$ to the location of the ridge or trough. Zone J extends on the downwind roof face starting from the location of the ridge or trough for length $e/10$. Zone I extends on the downwind roof face for length beyond $e/10$ after the location of the ridge or trough. For the examined roof where $e = 16.000 \text{ m}$ the applicable zones are zones F, G, H, I, J.

For $\theta = 0^\circ$ (i.e. wind nearly perpendicular to the ridge or trough) the external pressure coefficient c_{pe} for each of zones F, G, H, I, J is defined in [EN1991-1-4 Table 7.4a](#) as a function of the pitch angle α . For the examined case: $\alpha = -6.00^\circ$, where positive values correspond to typical roofs with the roof surface slope from the ridge towards the external edges. Moreover, for the examined case the pressure coefficient $c_{pe,10}$ is examined that corresponds to the wind effects on loaded areas in the order of 10m^2 that are appropriate for global effects of the structure. Therefore according to [EN1991-1-4 Table 7.4a](#) the following external pressure coefficient are obtained, using linear interpolation where appropriate:

For zone F: $c_{pe,F} = -2.320$

For zone G: $c_{pe,G} = -1.210$

For zone H: $c_{pe,H} = -0.810$

For zone I: $c_{pe,I} = -0.590$

For zone J: $c_{pe,J} = -0.610$

Negative values for the external pressure coefficient correspond to suction directed away from the external surface inducing uplift forces on the roof. For certain zones where positive and negative values are given both values should be considered.

Internal pressure coefficients

Internal pressure coefficients c_{pi} are specified in [EN1991-1-4 §7.2.9](#) depending on the size and distribution of the openings of the building and background permeability due to leakage paths. A face of the building is considered dominant when the area of openings at that face is at least two times the area of openings and leakages in the remaining faces of the building.

For building without a dominant face and where it is not possible or not justified to estimate the effect of opening distribution in a more accurate manner then the most onerous internal pressure coefficient $c_{pi} = +0.2$ or $c_{pi} = -0.3$ should be considered, as specified in [EN1991-1-4 §7.2.9\(6\), Note 2](#). In this calculation the following value of the internal pressure coefficient are considered:

$$c_{pi,min} = -0.300 \text{ and } c_{pi,max} = 0.200$$

Negative values for the internal pressure coefficient correspond to suction directed away from the internal surface inducing forces towards the interior of the building.

External wind pressure

The external wind pressure on the structure w_e corresponds to the pressure effect on the exterior surface of the roof. The external pressure on the surface is derived from the calculated value of

the peak velocity pressure $q_p(z_e) = 0.553 \text{ kN/m}^2$ by application of the appropriate external pressure coefficient c_{pe} as specified in [EN1991-1-4 §5.2\(1\)](#).

$$w_e = q_p(z_e) \cdot c_{pe}$$

Internal wind pressure

The internal wind pressure on the structure w_i corresponds to the pressure effect on the interior surface of the roof. The internal pressure on the surface is derived from the value of the peak velocity pressure $q_p(z_i)$ by application of the appropriate internal pressure coefficient c_{pi} as specified in [EN1991-1-4 §5.2\(2\)](#).

$$w_i = q_p(z_i) \cdot c_{pi}$$

The peak velocity pressure $q_p(z_i)$ corresponds to the reference height for internal pressure z_i . The reference height for the internal pressure is specified in [EN1991-1-4 §7.2.9\(7\)](#) equal to the reference height z_e corresponding to the faces which contribute with their openings to the creation of the internal pressure. In this calculation it is assumed that $z_i = z_e = 8.000 \text{ m}$ and $q_p(z_i) = q_p(z_e) = 0.553 \text{ kN/m}^2$.

Net wind pressure

The net wind pressure on the surfaces of the structure w_{net} corresponds to the combined effects of external wind pressure and internal wind pressure.

For structural surfaces consisting of only one skin the net pressure effect is determined as:

$$w_{net} = w_e - w_i = q_p(z_e) \cdot c_{pe} - q_p(z_i) \cdot c_{pi}$$

For structural surfaces consisting of more than one skin [EN1991-1-4 §7.2.10](#) is applicable.

Net wind pressure on pressure zones

The most unfavorable net wind pressure for each pressure zone is obtained by combining the corresponding external pressure coefficient c_{pe} with the most unfavorable value of the internal pressure coefficient $c_{pi,min} = -0.300$ or $c_{pi,max} = 0.200$. When c_{pe} is positive then $c_{pi,min} = -0.300$ is most onerous. When c_{pe} is negative then $c_{pi,max} = 0.200$ is most onerous.

For the different pressure zones on the duopitch roof the following net pressures are obtained:

- For zone F: $w_{net,F} = -1.394 \text{ kN/m}^2$
- For zone G: $w_{net,G} = -0.780 \text{ kN/m}^2$
- For zone H: $w_{net,H} = -0.559 \text{ kN/m}^2$
- For zone I: $w_{net,I} = -0.437 \text{ kN/m}^2$
- For zone J: $w_{net,J} = -0.448 \text{ kN/m}^2$

Negative net pressure values correspond to suction directed away from the external surface inducing uplift forces on the roof. Pressure zones that are not mentioned are not applicable.

For the case $\theta = 0^\circ$ (i.e. wind nearly perpendicular to the ridge or trough) the sign of the wind pressure changes rapidly, so both positive and negative values are given, and both values should be considered. According to [EN1991-1-4 Table 7.4, Note 1](#) four cases should be considered:

- Largest values of all areas F, G, H combined with largest values of all areas I, J.
- Largest values of all areas F, G, H combined with smallest values of all areas I, J.
- Smallest values of all areas F, G, H combined with largest values of all areas I, J.
- Smallest values of all areas F, G, H combined with smallest values of all areas I, J.

No mixing of positive and negative values is allowed on the same face.

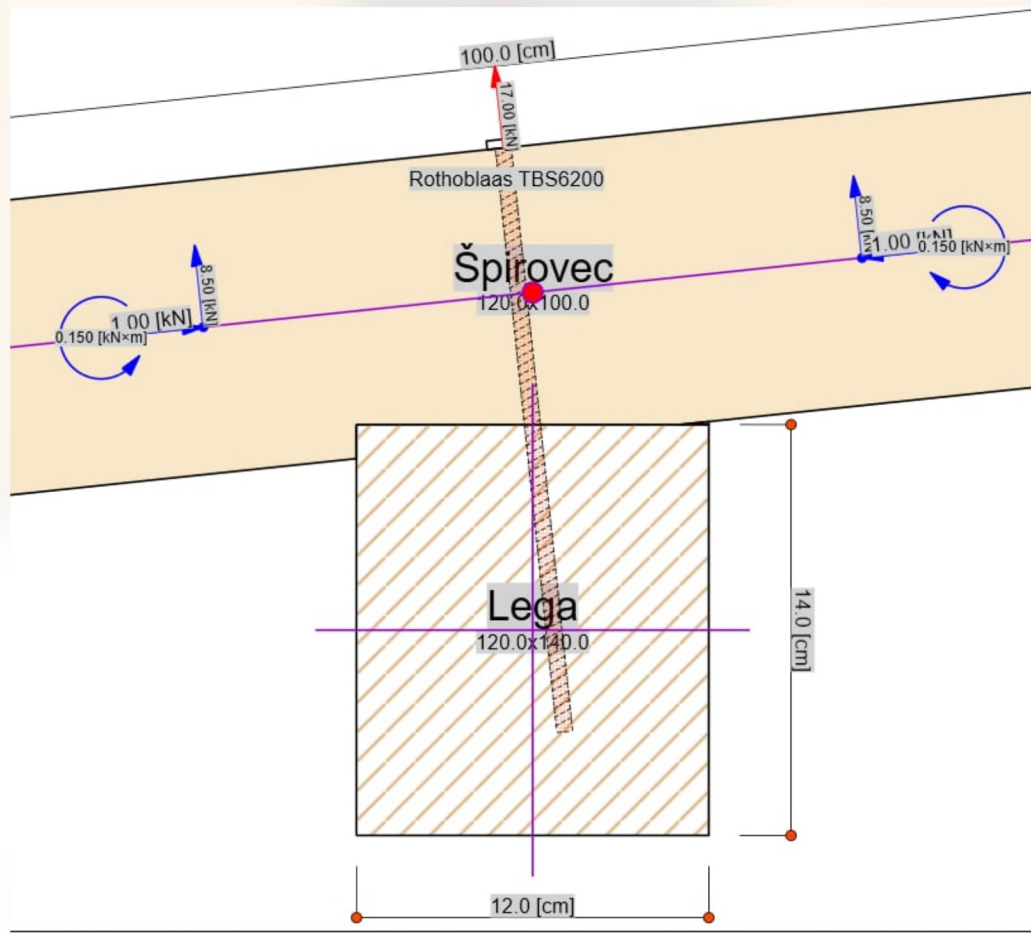
Additional notes

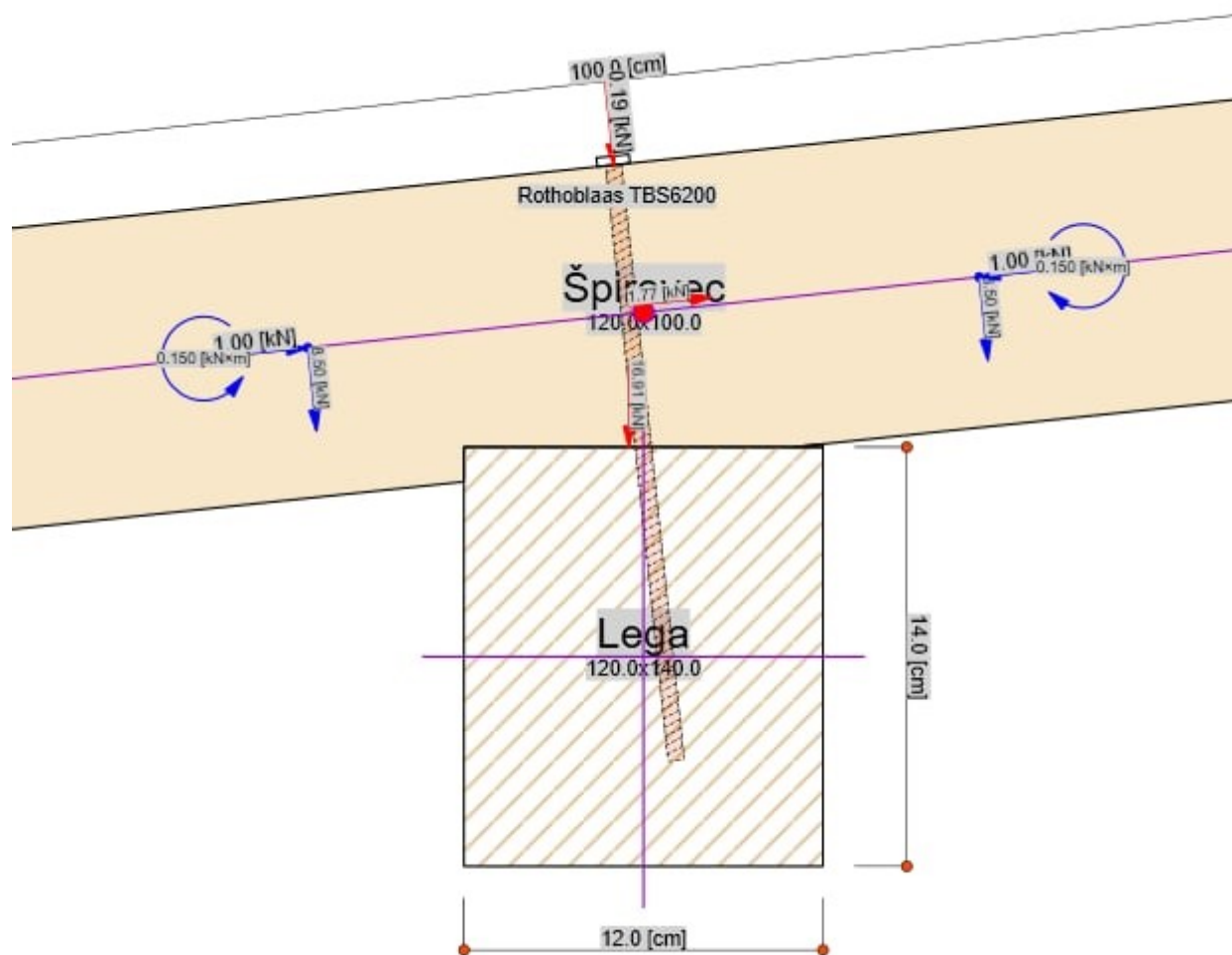
- If significant openings exist on the structure then internal wind pressure may need to be determined accurately as described in [EN1991-1-4 §5.2](#).
- For canopy roofs (i.e. roofs without permanent walls) see [EN1991-1-4 §7.3](#) and the relevant calculation [Wind load on duopitch canopies](#).
- The calculated wind action effects are characteristic values (unfactored). Appropriate load factors should be applied for the relevant design situation. For ULS verifications the partial load factor $\gamma_Q = 1.50$ is applicable for variable actions according to EN1990.



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Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

The selected Anchor is applicable.

Product information

AnchorFix-2 - Carbon 4.6

Material	Carbon 4.6
Drilling method	Hammer drill
Type	Adhesive anchor
Approval	Sika - AnchorFix-2 Anchor ETA
Drill hole depth	128,0 mm
Nominal drill bit diameter	18 mm
Effective anchor depth	128,0 mm



Material

Concrete (Normal Weight)

Concrete Compressive Strength	C25/30
Zone	Uncracked Concrete

Concrete Reinforcement

Concrete reinforcement	Normal
Edge reinforcement	Without
Reinforcement to control splitting	No

Conditions

Maximum short term temperature	50 °C
Maximum long term temperature	50 °C
Installation Condition	Dry

Geometry

Anchor

Anchor arrangement	Single Anchor without slotted hole
--------------------	------------------------------------

Eccentricity

Displacements	y	0,0 mm
Displacements	z	0,0 mm

Edge Distances / Concrete Thickness

Edge distance right	250,0 mm
Edge distance bottom	250,0 mm

Sika Services AG

Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

Edge Distances / Concrete Thickness

Concrete thickness	h	250,0 mm
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Anchor plate dimensions

Anchor plate shape		Rectangle
Anchor plate width	y	200,0 mm
Anchor plate length	z	200,0 mm
Anchor plate thickness		10,0 mm

Connected profile - Eccentricity

Displacements	y	0,0 mm
Displacements	z	0,0 mm

Stand-off

Stand-off	Without
-----------	---------

Load

Load

Tension	N_d	13,00 kN
Shear	V_{yd}	5,00 kN
Shear	V_{zd}	5,00 kN
Bending moment	M_{yd}	0,00 kNm
Bending moment	M_{zd}	0,00 kNm

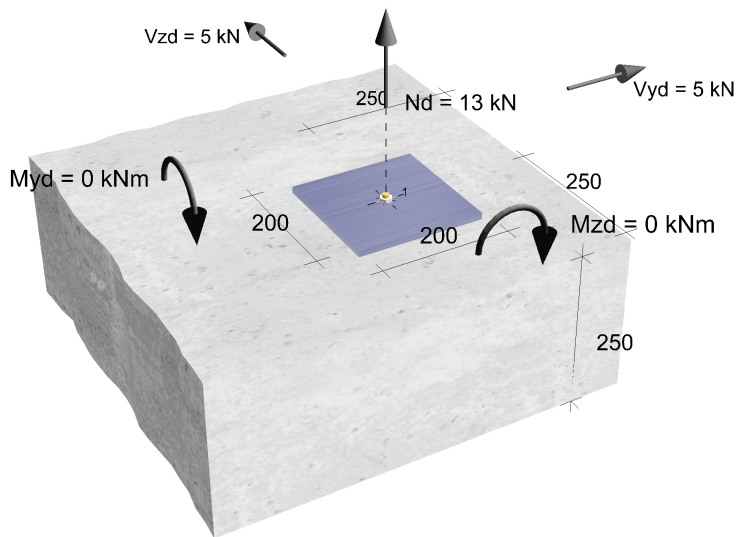
Seismic

Seismic	No
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Section forces

Anchor Nr.	Tension [kN]	Shear [kN]
1	13,00 kN	7,07 kN

Anchor Calculation AnchorFix-2 - Carbon 4.6 M16



Verifications EOTA TR 029

Steel failure - Tension

$$\beta_{N,s} = \frac{N_{Sd}^h}{N_{Rk,s} / \gamma_{Ms}} = \frac{13,00 \text{ kN}}{31,50 \text{ kN}}$$

N_{Sd}^h [kN]	$N_{Rk,s}$ [kN]	γ_{Ms}	$N_{Rd,s}$ [kN]	$\beta_{N,s}$ [%]
13,00	63,00	2,00	31,50	41,27

Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

Pullout and concrete cone failure - Tension

$$N_{Rk,p}^0 = \pi \cdot d \cdot h_{ef} \cdot \tau_{Rk}$$

	d [mm]	h_{ef} [mm]	τ_{Rk} [N/mm ²]	$N_{Rk,p}^0$ [kN]
	16,0	128,0	10,00	64,34

$$N_{Rk,p} = \psi_c \cdot N_{Rk,p}^0 \cdot \frac{A_{p,N}}{A_{p,N}^0} \cdot \psi_{s,Np} \cdot \psi_{g,Np} \cdot \psi_{ec,Np} \cdot \psi_{re,Np}$$

	ψ_c	$N_{Rk,p}^0$ [kN]	$A_{p,N}$ [mm ²]	$A_{p,N}^0$ [mm ²]	$\psi_{s,Np}$	$\psi_{g,Np}$
	1,00	64,34	136533	136533	1,00	1,00
	$\psi_{ec,Np}$	$\psi_{re,Np}$	$N_{Rk,p}$ [kN]			
	1,00	1,00	64,34			

$$\beta_{N,p} = \frac{N_{Sd}^g}{N_{Rk,p} / \gamma_{Mp}} = \frac{13,00 \text{ kN}}{35,74 \text{ kN}}$$

	N_{Sd}^g [kN]	$N_{Rk,p}$ [kN]	γ_{Mp}	$N_{Rd,p}$ [kN]	$\beta_{N,p}$ [%]
	13,00	64,34	1,80	35,74	36,37

Concrete cone failure - Tension (Controlling anchor: 1)

$$N_{Rk,c}^0 = k_1 \cdot \sqrt{f_{ck,cube}} \cdot h_{ef}^{1,5}$$

	k_1	$f_{ck,cube}$ [N/mm ²]	h_{ef} [mm]	$N_{Rk,c}^0$ [kN]
	10,10	30,00	128,0	80,11

$$N_{Rk,c} = N_{Rk,c}^0 \cdot \frac{A_{c,N}}{A_{c,N}^0} \cdot \psi_{s,N} \cdot \psi_{re,N} \cdot \psi_{ec,N}$$

	$N_{Rk,c}^0$ [kN]	$A_{c,N}$ [mm ²]	$A_{c,N}^0$ [mm ²]	$\psi_{s,N}$	$\psi_{re,N}$	$\psi_{ec,N}$
	80,11	147456	147456	1,00	1,00	1,00
	$N_{Rk,c}$ [kN]					
	80,11					

$$\beta_{N,c} = \frac{N_{Sd}^g}{N_{Rk,c} / \gamma_{Mc}} = \frac{13,00 \text{ kN}}{44,51 \text{ kN}}$$

	N_{Sd}^g [kN]	$N_{Rk,c}$ [kN]	γ_{Mc}	$N_{Rd,c}$ [kN]	$\beta_{N,c}$ [%]
	13,00	80,11	1,80	44,51	29,21

Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

Splitting failure - Tension (Controlling anchor: 1)

$$N_{Rk,sp}^0 = k_1 \cdot \sqrt{f_{ck,cube}} \cdot h_{ef}^{1,5}$$

	k_1	$f_{ck,cube}$ [N/mm ²]	h_{ef} [mm]	$N_{Rk,sp}^0$ [kN]
	10,10	30,00	128,0	80,11

$$N_{Rk,sp} = N_{Rk,sp}^0 \cdot \frac{A_{c,N}}{A_{c,N}^0} \cdot \psi_{s,N} \cdot \psi_{re,N} \cdot \psi_{ec,N} \cdot \psi_{h,sp}$$

	$N_{Rk,sp}^0$ [kN]	$A_{c,N}$ [mm ²]	$A_{c,N}^0$ [mm ²]	$\psi_{s,N}$	$\psi_{re,N}$	$\psi_{ec,N}$
	80,11	147456	147456	1,00	1,00	1,00
	$\psi_{h,sp}$	$N_{Rk,sp}$ [kN]				
	1,36	108,78				

$$\beta_{N,sp} = \frac{N_{Sd}^g}{N_{Rk,sp} / \gamma_{Msp}} = \frac{13,00 \text{ kN}}{60,43 \text{ kN}}$$

	N_{Sd}^g [kN]	$N_{Rk,sp}$ [kN]	γ_{Msp}	$N_{Rd,sp}$ [kN]	$\beta_{N,sp}$ [%]
	13,00	108,78	1,80	60,43	21,51

Steel failure - Shear

$$\beta_{V,s} = \frac{V_{Sd}^h}{V_{Rk,s} / \gamma_{Ms}} = \frac{7,07 \text{ kN}}{18,56 \text{ kN}}$$

	V_{Sd}^h [kN]	$V_{Rk,s}$ [kN]	γ_{Ms}	$V_{Rd,s}$ [kN]	$\beta_{V,s}$ [%]
	7,07	31,00	1,67	18,56	38,09

Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

Concrete pryout failure - Shear (Controlling anchor: 1)

$$N_{Rk,p} = N_{Rk,p}^0 \cdot \frac{A_{p,N}}{A_{p,N}^0} \cdot \psi_{s,Np} \cdot \psi_{g,Np} \cdot \psi_{ec,Np} \cdot \psi_{re,Np}$$

	$N_{Rk,p}^0$ [kN]	$A_{p,N}$ [mm ²]	$A_{p,N}^0$ [mm ²]	$\psi_{s,Np}$	$\psi_{g,Np}$	$\psi_{ec,Np}$
	64,34	136533	136533	1,00	1,00	1,00
	$\psi_{re,Np}$	$N_{Rk,p}$ [kN]				
	1,00	64,34				

$$V_{Rk,cp} = k \cdot N_{Rk,p}$$

	k	$N_{Rk,p}$ [kN]	$V_{Rk,cp}$ [kN]
	2,00	64,34	128,68

$$\beta_{V,cp} = \frac{V_{Sd}^g}{V_{Rk,cp} / \gamma_{Mcp}} = \frac{7,07 \text{ kN}}{85,79 \text{ kN}}$$

	V_{Sd}^g [kN]	$V_{Rk,cp}$ [kN]	γ_{Mcp}	$V_{Rd,cp}$ [kN]	$\beta_{V,cp}$ [%]
	7,07	128,68	1,50	85,79	8,24

Concrete edge failure - Shear (Controlling anchor: 1)

$$V_{Rk,c}^0 = k_1 \cdot d^\alpha \cdot h_{ef}^\beta \cdot \sqrt{f_{ck,cube}} \cdot c_1^{1,5}$$

	k_1	d [mm]	α	h_{ef} [mm]	β	$f_{ck,cube}$ [N/mm ²]
	2,40	16,0	0,07	128,0	0,06	30,00
	c_1 [mm]	$V_{Rk,c}^0$ [kN]				
	250,0	83,84				

$$V_{Rk,c} = V_{Rk,c}^0 \cdot \frac{A_{c,V}}{A_{c,V}^0} \cdot \psi_{s,V} \cdot \psi_{h,V} \cdot \psi_{a,V} \cdot \psi_{ec,V} \cdot \psi_{re,V}$$

	$V_{Rk,c}^0$ [kN]	$A_{c,V}$ [mm ²]	$A_{c,V}^0$ [mm ²]	$\psi_{s,V}$	$\psi_{h,V}$	$\psi_{a,V}$
	83,84	156250	281250	0,90	1,22	1,31
	$\psi_{ec,V}$	$\psi_{re,V}$	$V_{Rk,c}$ [kN]			
	1,00	1,00	67,41			

$$\beta_{V,c} = \frac{V_{Sd}^g}{V_{Rk,c} / \gamma_{Mc}} = \frac{7,07 \text{ kN}}{44,94 \text{ kN}}$$

	V_{Sd}^g [kN]	$V_{Rk,c}$ [kN]	γ_{Mc}	$V_{Rd,c}$ [kN]	$\beta_{V,c}$ [%]
	7,07	67,41	1,50	44,94	15,73

Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

Interaction

$$\beta_{NV} = (\beta_{N,max})^\alpha + (\beta_{V,max})^\alpha$$

	$\beta_{N,max}$ [%]	$\beta_{V,max}$ [%]	α	β_{NV} [%]
	41,27	38,09	2,00	31,54

The selected Anchor is applicable.

Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

Hints

Notes about the calculations:

The following documents are referenced for the verification of the anchor load-bearing capacity:

- Anchor approval

The following assumptions are made for the calculations:

- The selected building material class has been verified
- all of the anchors in a group are of the same type and size
- The anchor plate remains plane during loading

The verification of the local transfer of loads into the anchorage material has been performed. The transfer of these loads to the rest of the structure must be shown.

The design is based on numerous anchor-specific values. If the selected anchor is substituted for another or if the input values are changed, the design must be repeated. Additional requirements of the anchor approvals have to be taken into account, especially if the anchors are loaded dynamically.

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Anchor Calculation AnchorFix-2 - Carbon 4.6 M16

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Calculation Report • Špirovec - lega

Members

Beam • Špirovec: 120.0×100.0 [mm], Solid Timber C24; $f_{m,k}=24.00$ [MPa]; $f_{v,k}=4.00$ [MPa]; $f_{c,0,k}=21.00$ [MPa]; $f_{t,0,k}=14.50$ [MPa].

Support • Lega: 120.0×140.0 [mm], Solid Timber C24; $f_{m,k}=24.00$ [MPa]; $f_{v,k}=4.00$ [MPa]; $f_{c,0,k}=21.00$ [MPa]; $f_{t,0,k}=14.50$ [MPa].

Screw • Rothoblaas TBS6200: 6.0×203.0 [mm], EN 1993-1-8 Class 8.8; $f_{yb,k}=640.00$ [MPa]; $f_{ub,k}=800.00$ [MPa]; $E=210000.0$ [MPa].

Materials

Material Beam • Špirovec & Support • Lega: Solid Timber C24; $f_{m,k}=24.00$ [MPa]; $f_{v,k}=4.00$ [MPa]; $f_{c,0,k}=21.00$ [MPa]; $f_{t,0,k}=14.50$ [MPa].

Material Fastener • Rothoblaas TBS6200: EN 1993-1-8 Class 8.8; $f_{yb,k}=640.00$ [MPa]; $f_{ub,k}=800.00$ [MPa]; $E=210000.0$ [MPa].

Joint capacity check

Fastener spacing

Cross section strength ÷ Beam • Špirovec (pre node)

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel tension

Ref. [EN 1995-1-1: 6.1.2]

	N [kN]	A [cm ²]	$\sigma_{t,0,d}$ [MPa]	$f_{t,0,d}$ [MPa]	Check
A1	-1.00	106.2	0.00	8.16	-

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel compression

Ref. [EN 1995-1-1: 6.1.4]

	N [kN]	A [cm ²]	$\sigma_{c,0,d}$ [MPa]	$f_{c,0,d}$ [MPa]	Check
A1	-1.00	106.2	0.09	11.31	0,01

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Bending

Ref. [EN 1995-1-1: 6.1.6]

	N [kN]	M [kN×m]	$W_{el,y}$ [cm ³]	$\sigma_{m,y,d}$ [MPa]	$f_{m,y,d}$ [MPa]	Check
A1	-1.00	-0.150	157	0.96	14.36	0,07

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Shear

Ref. [EN 1995-1-1: 6.1.7]

	V [kN]	A_v [cm ²]	τ_d [MPa]	$f_{v,d}$ [MPa]	Check
A1	8.50	47.4	1.79	2.15	0,83

Cross section strength ÷ Beam • Špirovec (post node)

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel tension**Ref. [EN 1995-1-1: 6.1.2]**

	N [kN]	A [cm ²]	$\sigma_{t,0,d}$ [MPa]	$f_{t,0,d}$ [MPa]	Check
A1	-1.00	120.0	0.00	8.16	-

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel compression**Ref. [EN 1995-1-1: 6.1.4]**

	N [kN]	A [cm ²]	$\sigma_{c,0,d}$ [MPa]	$f_{c,0,d}$ [MPa]	Check
A1	-1.00	120.0	0.08	11.31	0,01

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Bending**Ref. [EN 1995-1-1: 6.1.6]**

	N [kN]	M [kN×m]	$W_{el,y}$ [cm ³]	$\sigma_{m,y,d}$ [MPa]	$f_{m,y,d}$ [MPa]	Check
A1	-1.00	-0.150	200	0.75	14.01	0,05


Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Shear**Ref. [EN 1995-1-1: 6.1.7]**

	V [kN]	A_v [cm ²]	τ_d [MPa]	$f_{v,d}$ [MPa]	Check
A1	-8.50	53.6	1.59	2.15	0,74

Notched members strength ÷ Beam • Špirovec (pre node)**Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Notch at the support****Ref. [EN 1995-1-1: 6.5.2]**

	h_{ef} [mm]	A_v [cm ²]	τ_d [MPa]	k_v	$f_{v,d}$ [MPa]	Check
A1	88.5	47.4	1.79	1,00	2.15	0,83

Fastener resistance ÷ Fastener • Rothoblaas TBS6200**Fastener • Rothoblaas TBS6200 ÷ Design situation 1 • S1, Long Term ÷ Fastener subjected to shear and/or tension****Ref. [EN 1993-1-8 Tab. 3.4]**

	f_{ub} [MPa]	α_v	A [cm ²]	k_2	A_s [cm ²]	$F_{v,Ed}$ [kN]	$F_{t,Ed}$ [kN]	$F_{v,Rd}$ [kN]	$F_{t,Rd}$ [kN]	Check
A1	800.00	0,60	0.23	0,90	0.23	0.00	17.00	8.79	13.19	1,29 

Joint capacity ÷ Fastener • Rothoblaas TBS6200**Beam • Špirovec & Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Lateral load-carrying capacity****Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]**

	t_1 [mm]	t_2 [mm]	$M_{y,Rk}$ [kN×m]	$F_{ax,Rk}$ [kN]	α_1 [°]	$f_{h,\alpha,1,k}$ [MPa]	α_2 [°]	$f_{h,\alpha,2,k}$ [MPa]	$F_{v,Ed}$ [kN]	$F_{v,Rd}$ [kN]	Check
A1	94.7	105.3	0.025	6.23 ×100%	0.0	16.82	0.0	16.82	0.00	2.21	-

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Axial load-carrying capacity**Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]**

	l_{ef} [mm]	α [°]	$f_{ax,k}$ [MPa]	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	Check
A1	94.7	90.0	14.61	17.00	3.35	5,07 ⚠

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Combined load-carrying capacity**Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]**

	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	$F_{v,Ed}$ [kN]	$F_{v,Rd}$ [kN]	Check
A1	17.00	3.35	0.00	2.21	25,70 ⚠

Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Axial load-carrying capacity**Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]**

	l_{ef} [mm]	α [°]	$f_{ax,k}$ [MPa]	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	Check
A1	105.3	90.0	14.45	17.00	3.69	4,61 ⚠

Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Combined load-carrying capacity**Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]**

	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	$F_{v,Ed}$ [kN]	$F_{v,Rd}$ [kN]	Check
A1	17.00	3.69	0.00	2.21	21,27 ⚠

Joint capacity ÷ Support • Lega**Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Compression perpendicular to the grain****Ref. [EN 1995-1-1: 6.1.5]**

	A_{ef} [cm ²]	$k_{c,90}$	$\sigma_{c,90,d}$ [MPa]	$f_{c,90,d}$ [MPa]	Check
A1	198.3	1,00	0.00	1.35	-

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Compression at an angle to the grain**Ref. [EN 1995-1-1: 6.2.2]**

	$f_{c,0,d}$ [MPa]	$f_{c,90,d}$ [MPa]	α [°]	$\sigma_{c,\alpha,d}$ [MPa]	$f_{c,\alpha,d}$ [MPa]	Check
A1	11.31	1.35	84.0	0.00	1.36	-

Calculation Report • Špirovec - lega

Members

Beam • Špirovec: 120.0×100.0 [mm], Solid Timber C24; $f_{m,k}=24.00$ [MPa]; $f_{v,k}=4.00$ [MPa]; $f_{c,0,k}=21.00$ [MPa]; $f_{t,0,k}=14.50$ [MPa].

Support • Lega: 120.0×140.0 [mm], Solid Timber C24; $f_{m,k}=24.00$ [MPa]; $f_{v,k}=4.00$ [MPa]; $f_{c,0,k}=21.00$ [MPa]; $f_{t,0,k}=14.50$ [MPa].

Screw • Rothoblaas TBS6200: 6.0×203.0 [mm], EN 1993-1-8 Class 8.8; $f_{yb,k}=640.00$ [MPa]; $f_{ub,k}=800.00$ [MPa]; $E=210000.0$ [MPa].

Materials

Material Beam • Špirovec & Support • Lega: Solid Timber C24; $f_{m,k}=24.00$ [MPa]; $f_{v,k}=4.00$ [MPa]; $f_{c,0,k}=21.00$ [MPa]; $f_{t,0,k}=14.50$ [MPa].

Material Fastener • Rothoblaas TBS6200: EN 1993-1-8 Class 8.8; $f_{yb,k}=640.00$ [MPa]; $f_{ub,k}=800.00$ [MPa]; $E=210000.0$ [MPa].

Joint capacity check

Fastener spacing

Cross section strength ÷ Beam • Špirovec (pre node)

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel tension

Ref. [EN 1995-1-1: 6.1.2]

	N [kN]	A [cm ²]	$\sigma_{t,0,d}$ [MPa]	$f_{t,0,d}$ [MPa]	Check
A1	-1.00	106.2	0.00	8.16	-

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel compression

Ref. [EN 1995-1-1: 6.1.4]

	N [kN]	A [cm ²]	$\sigma_{c,0,d}$ [MPa]	$f_{c,0,d}$ [MPa]	Check
A1	-1.00	106.2	0.09	11.31	0,01

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Bending

Ref. [EN 1995-1-1: 6.1.6]

	N [kN]	M [kN×m]	$W_{el,y}$ [cm ³]	$\sigma_{m,y,d}$ [MPa]	$f_{m,y,d}$ [MPa]	Check
A1	-1.00	-0.150	157	0.96	14.36	0,07

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Shear

Ref. [EN 1995-1-1: 6.1.7]

	V [kN]	A_v [cm ²]	τ_d [MPa]	$f_{v,d}$ [MPa]	Check
A1	-8.50	47.4	1.79	2.15	0,83

Cross section strength ÷ Beam • Špirovec (post node)

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel tension**Ref. [EN 1995-1-1: 6.1.2]**

	N [kN]	A [cm ²]	$\sigma_{t,0,d}$ [MPa]	$f_{t,0,d}$ [MPa]	Check
A1	-1.00	120.0	0.00	8.16	-

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Parallel compression**Ref. [EN 1995-1-1: 6.1.4]**

	N [kN]	A [cm ²]	$\sigma_{c,0,d}$ [MPa]	$f_{c,0,d}$ [MPa]	Check
A1	-1.00	120.0	0.08	11.31	0,01

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Bending**Ref. [EN 1995-1-1: 6.1.6]**

	N [kN]	M [kN×m]	$W_{el,y}$ [cm ³]	$\sigma_{m,y,d}$ [MPa]	$f_{m,y,d}$ [MPa]	Check
A1	-1.00	-0.150	200	0.75	14.01	0,05

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Shear**Ref. [EN 1995-1-1: 6.1.7]**

	V [kN]	A_v [cm ²]	τ_d [MPa]	$f_{v,d}$ [MPa]	Check
A1	8.50	53.6	1.59	2.15	0,74

Notched members strength ÷ Beam • Špirovec (pre node)**Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Notch at the support****Ref. [EN 1995-1-1: 6.5.2]**

	h_{ef} [mm]	A_v [cm ²]	τ_d [MPa]	k_v	$f_{v,d}$ [MPa]	Check
A1	88.5	47.4	1.79	0,87	2.15	0,96

Fastener resistance ÷ Fastener • Rothoblaas TBS6200**Fastener • Rothoblaas TBS6200 ÷ Design situation 1 • S1, Long Term ÷ Fastener subjected to shear and/or tension****Ref. [EN 1993-1-8 Tab. 3.4]**

	f_{ub} [MPa]	α_v	A [cm ²]	k_2	A_s [cm ²]	$F_{v,Ed}$ [kN]	$F_{t,Ed}$ [kN]	$F_{v,Rd}$ [kN]	$F_{t,Rd}$ [kN]	Check
A1	800.00	0,60	0.23	0,90	0.23	1.77	0.00	8.79	13.19	0,20

Joint capacity ÷ Fastener • Rothoblaas TBS6200**Beam • Špirovec & Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Lateral load-carrying capacity****Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]**

	t_1 [mm]	t_2 [mm]	$M_{y,Rk}$ [kN×m]	$F_{ax,Rk}$ [kN]	α_1 [°]	$f_{h,\alpha,1,k}$ [MPa]	α_2 [°]	$f_{h,\alpha,2,k}$ [MPa]	$F_{v,Ed}$ [kN]	$F_{v,Rd}$ [kN]	Check
A1	94.7	105.3	0.025	6.23 ×100%	0.0	16.82	90.0	16.82	1.77	2.21	0,80

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Axial load-carrying capacity
Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]

	l_{ef} [mm]	α [°]	$f_{ax,k}$ [MPa]	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	Check
A1	94.7	90.0	14.61	0.19	3.35	0,06

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Combined load-carrying capacity
Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]

	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	$F_{v,Ed}$ [kN]	$F_{v,Rd}$ [kN]	Check
A1	0.19	3.35	1.77	2.21	0,64

Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Axial load-carrying capacity
Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]

	l_{ef} [mm]	α [°]	$f_{ax,k}$ [MPa]	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	Check
A1	105.3	90.0	14.45	0.19	3.69	0,05

Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Combined load-carrying capacity
Ref. [EN 1995-1-1 8.2][EN 1995-1-1 8.7]

	$F_{ax,Ed}$ [kN]	$F_{ax,Rd}$ [kN]	$F_{v,Ed}$ [kN]	$F_{v,Rd}$ [kN]	Check
A1	0.19	3.69	1.77	2.21	0,64

Joint capacity ÷ Support • Lega

Support • Lega ÷ Design situation 1 • S1, Long Term ÷ Compression perpendicular to the grain
Ref. [EN 1995-1-1: 6.1.5]

	A_{ef} [cm ²]	$k_{c,90}$	$\sigma_{c,90,d}$ [MPa]	$f_{c,90,d}$ [MPa]	Check
A1	198.3	1,00	0.85	1.35	0,63

Beam • Špirovec ÷ Design situation 1 • S1, Long Term ÷ Compression at an angle to the grain
Ref. [EN 1995-1-1: 6.2.2]

	$f_{c,0,d}$ [MPa]	$f_{c,90,d}$ [MPa]	α [°]	$\sigma_{c,\alpha,d}$ [MPa]	$f_{c,\alpha,d}$ [MPa]	Check
A1	11.31	1.35	84.0	1.28	1.36	0,94