SIEMENS

Hornsea 01 220kV Offshore GIS
HOW01Z11

Foundation Loads Report

Z11AAD&CLC001

A	As Built	
Revision	Status	

DONG energy

Foundation Loads Report

Z11AAD&CLC001

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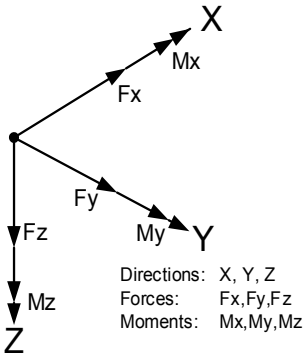
Project. no.	No. of pages
54PO-01747	9

GENERAL DEFINITION

DEFINITION OF LOADS

LC1	Dead load
LC2	Load by thermal expansion
LC3	Static conductor tension
LC4	Windload X-direction
LC5	Windload Y-direction
LC6	Short-circuit forces
LC7	Switching forces
LC8	Transportation Loads X-direction
LC9	Transportation Loads Y-direction
LC10	Transportation Loads Z-direction

ORIENTATION OF FORCES AND MOMENTS



LOADCASES

If not otherwise specified, the following load combinations shall be used:

Loadcombination for Normal Load Case
Lcomb 1: LC1
Lcomb 2: LC1 and LC2 and LC3 and LC4
Lcomb 3: LC1 and LC2 and LC3 and LC5
Loadcombination for Exceptional Load Case
Lcomb 4: LC1 and LC2 and LC6
Lcomb 5: LC1 and LC2 and LC3 and LC7
Lcomb 6: LC1 and LC2 and LC3 and LC8 and LC10
Lcomb 7: LC1 and LC2 and LC3 and LC9 and LC10

The loads shall be combined in the direction that produces the most severe mechanical stresses at each foundation point.

NOTES

1. All loads are working loads without safety factors. For design loads safety factors shall be regarded.
2. All foundation loads are given as action loads and refer to top of foundation.
3. Loadtype LC2, LC8, LC9 and LC10 shall be considered with the same values in opposite direction too.
4. Foundation loads for the circuit breaker (Loadpoints 11-14, 21-24, 31-34, 41-44) shall be considered to act with an eccentricity of 150mm above fastening level (Z-direction).

TRANSPORTATION LOAD

Acceleration at center of gravity:

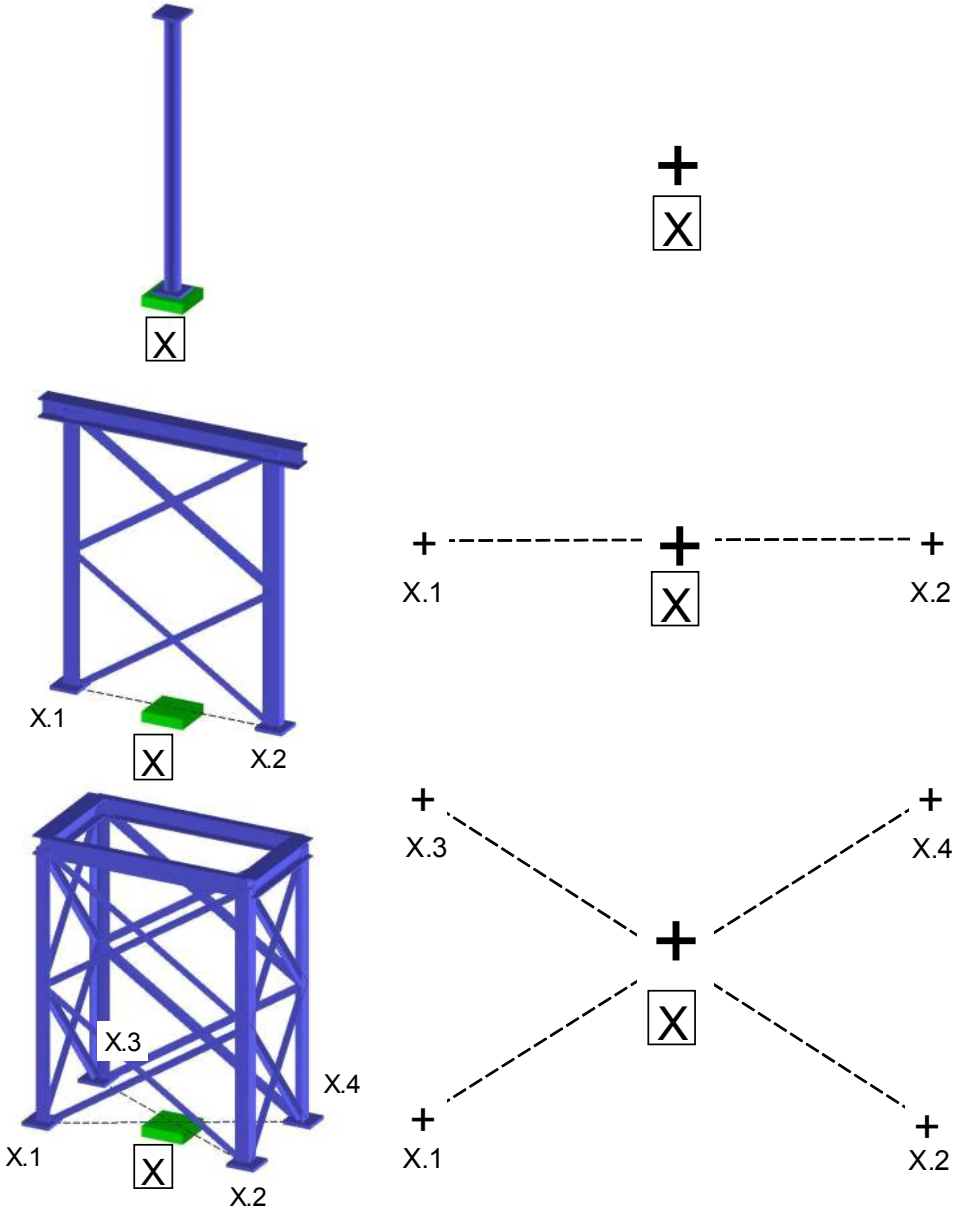
horizontal X-direction **0.6 g** vertical **0.69 g** without gas pressure
horizontal Y-direction **0.38 g**

WIND LOAD

not applicable (indoor)

Revision	Date	Author	Description
A	17.10.2016	med	Gangways are considered LP 101 - 111

DETAILS OF LOAD POINTS



Explanation of load points and fixing points:

Explanation of the application and designation of the load points and fixing points:

1. For steel structures with one fixing point, the load point - designated with a number **X** - is equal to the fixing point.

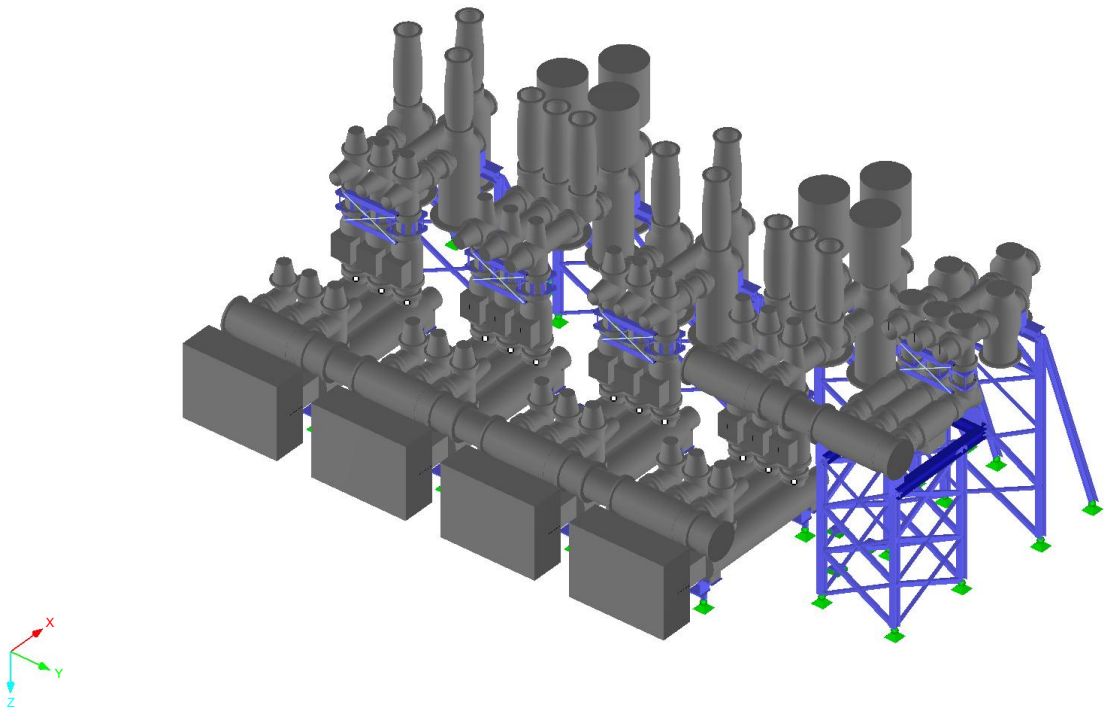
2. For steel structures with more than one fixing point the following has to be applied:

2.1 These steel structures have one virtual common load point in the centre of the corresponding fixing points, designated with a number **X**.

2.2 The corresponding fixing points are designated with numbers **X.1, X.2, X.3** and **X.4**.

OVERVIEW GIS

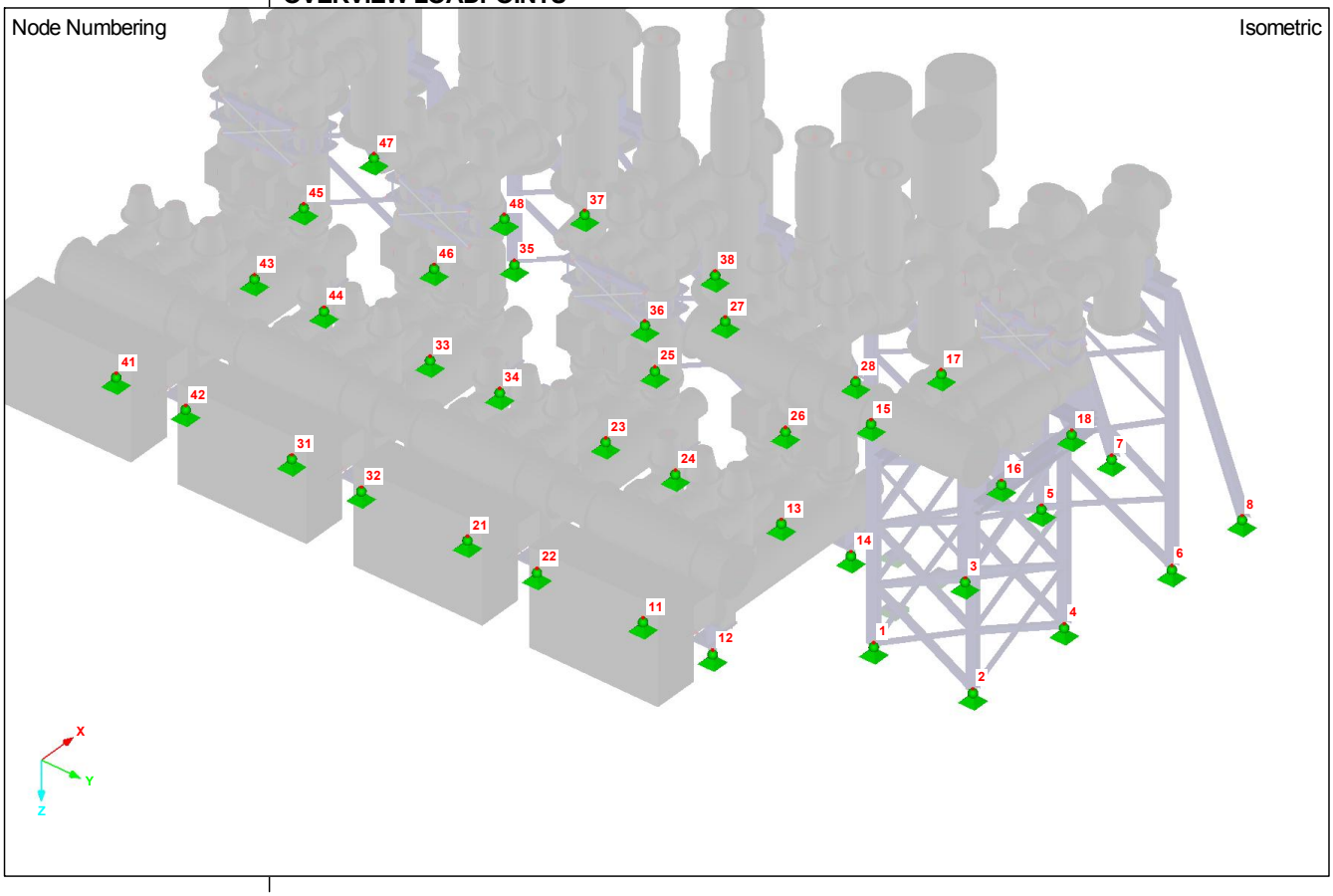
Isometric



OVERVIEW LOADPOINTS

Node Numbering

Isometric



■ NODES - SUPPORT FORCES

Node No.	LC/LG	Support forces [kN] $P_{X'}$	$P_{Y'}$	$P_{Z'}$	Support moments [kNm] $M_{X'}$	$M_{Y'}$	$M_{Z'}$
1	LC1	-0.2	-0.1	4.5	0.0	0.0	0.0
	LC2	-0.7	0.0	3.2	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	3.8	0.2	-12.9	0.0	0.0	0.0
	LC9	-0.3	1.3	-4.5	0.0	0.0	0.0
	LC10	-0.1	0.0	2.7	0.0	0.0	0.0
2	LC1	-0.2	0.1	4.8	0.0	0.0	0.0
	LC2	-0.7	0.1	2.9	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	3.8	-0.2	-12.7	0.0	0.0	0.0
	LC9	0.3	1.3	4.5	0.0	0.0	0.0
	LC10	-0.1	0.0	2.9	0.0	0.0	0.0
3	LC1	-0.2	-0.2	10.6	0.0	0.0	0.0
	LC2	-0.8	0.0	-2.5	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	3.9	-0.2	11.4	0.0	0.0	0.0
	LC9	-0.6	3.6	-14.6	0.0	0.0	0.0
	LC10	-0.1	-0.1	6.1	0.0	0.0	0.0
4	LC1	-0.2	0.2	10.7	0.0	0.0	0.0
	LC2	-0.8	0.0	-2.6	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	3.9	0.2	11.5	0.0	0.0	0.0
	LC9	0.6	3.6	14.5	0.0	0.0	0.0
	LC10	-0.1	0.1	6.2	0.0	0.0	0.0
5	LC1	0.0	0.1	4.5	0.0	0.0	0.0
	LC2	0.0	0.0	-5.3	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.3	0.2	-10.0	0.0	0.0	0.0
	LC9	0.0	2.6	-8.6	0.0	0.0	0.0
	LC10	0.0	0.1	3.0	0.0	0.0	0.0
6	LC1	0.0	0.0	3.9	0.0	0.0	0.0
	LC2	0.0	-0.1	-4.9	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.3	-0.1	-10.3	0.0	0.0	0.0
	LC9	0.0	2.6	8.6	0.0	0.0	0.0
	LC10	0.0	0.0	2.6	0.0	0.0	0.0
7	LC1	0.3	0.0	1.3	0.0	0.0	0.0
	LC2	1.6	0.0	4.7	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	4.0	0.0	11.5	0.0	0.0	0.0
	LC9	-0.7	0.1	-2.2	0.0	0.0	0.0
	LC10	0.2	0.0	0.9	0.0	0.0	0.0
8	LC1	0.4	0.0	1.5	0.0	0.0	0.0
	LC2	1.5	0.0	4.5	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	4.1	0.0	11.6	0.0	0.0	0.0
	LC9	0.7	0.1	2.2	0.0	0.0	0.0
	LC10	0.2	0.0	1.0	0.0	0.0	0.0
11	LC1	-0.4	0.0	12.6	0.0	0.0	0.0
	LC2	-0.7	-0.1	0.9	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	6.2	0.6	-6.4	0.0	0.0	0.0
	LC9	0.1	5.5	-14.3	0.0	0.0	0.0
	LC10	-0.2	0.0	8.6	0.0	0.0	0.0
12	LC1	-0.4	0.1	15.8	0.0	0.0	0.0
	LC2	-0.7	0.0	0.9	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	6.3	-0.1	-6.1	0.0	0.0	0.0
	LC9	-0.1	5.5	14.4	0.0	0.0	0.0
	LC10	-0.2	0.0	10.8	0.0	0.0	0.0
13	LC1	0.1	-0.4	13.9	0.0	0.0	0.0
	LC2	-0.7	0.0	-0.1	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	6.6	0.1	1.0	0.0	0.0	0.0
	LC9	-0.2	4.4	-16.6	0.0	0.0	0.0
	LC10	0.1	-0.2	8.9	0.0	0.0	0.0
14	LC1	0.1	0.2	15.5	0.0	0.0	0.0
	LC2	-0.6	0.0	-0.5	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	6.1	-0.5	0.8	0.0	0.0	0.0
	LC9	0.2	4.0	16.6	0.0	0.0	0.0
	LC10	0.1	0.1	10.0	0.0	0.0	0.0
15	LC1	0.0	-2.1	12.4	0.0	0.0	0.0
	LC2	0.0	0.1	-2.8	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0

■ NODES - SUPPORT FORCES

Node No.	LC/LG	Support forces [kN] $P_{X'}$	$P_{Y'}$	$P_{Z'}$	Support moments [kNm] $M_{X'}$	$M_{Y'}$	$M_{Z'}$
15	LC8	0.2	-0.4	-17.3	0.0	0.0	0.0
	LC9	0.0	5.3	-18.5	0.0	0.0	0.0
	LC10	0.0	-1.3	7.8	0.0	0.0	0.0
16	LC1	0.0	2.2	12.6	0.0	0.0	0.0
	LC2	0.0	0.0	-3.9	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.2	0.2	-17.8	0.0	0.0	0.0
	LC9	0.0	5.3	18.5	0.0	0.0	0.0
	LC10	0.0	1.4	8.0	0.0	0.0	0.0
17	LC1	0.3	-0.1	0.8	0.0	0.0	0.0
	LC2	1.0	-0.1	2.1	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	11.0	-0.2	22.7	0.0	0.0	0.0
	LC9	-1.2	0.1	-2.6	0.0	0.0	0.0
	LC10	0.1	-0.1	0.5	0.0	0.0	0.0
18	LC1	0.4	0.1	1.0	0.0	0.0	0.0
	LC2	1.7	0.1	3.5	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	11.3	0.2	23.2	0.0	0.0	0.0
	LC9	1.2	0.1	2.6	0.0	0.0	0.0
	LC10	0.2	0.1	0.6	0.0	0.0	0.0
21	LC1	-0.2	0.0	11.7	0.0	0.0	0.0
	LC2	-0.5	0.0	0.2	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	5.4	0.6	-5.1	0.0	0.0	0.0
	LC9	-0.1	5.4	-11.6	0.0	0.0	0.0
	LC10	-0.1	0.0	8.1	0.0	0.0	0.0
22	LC1	-0.2	0.0	16.0	0.0	0.0	0.0
	LC2	-0.5	0.0	0.7	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	5.5	0.0	-4.7	0.0	0.0	0.0
	LC9	0.1	5.4	11.7	0.0	0.0	0.0
	LC10	-0.1	0.0	11.0	0.0	0.0	0.0
23	LC1	0.2	-0.2	9.5	0.0	0.0	0.0
	LC2	-0.5	0.0	0.2	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	5.8	0.0	3.1	0.0	0.0	0.0
	LC9	-0.3	2.9	-10.0	0.0	0.0	0.0
	LC10	0.1	-0.2	6.6	0.0	0.0	0.0
24	LC1	0.2	0.2	9.7	0.0	0.0	0.0
	LC2	-0.5	-0.1	1.3	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	5.4	-0.4	2.6	0.0	0.0	0.0
	LC9	0.3	2.7	9.9	0.0	0.0	0.0
	LC10	0.1	0.1	6.7	0.0	0.0	0.0
25	LC1	0.0	-0.9	6.0	0.0	0.0	0.0
	LC2	0.0	0.3	-2.5	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.2	0.0	-11.5	0.0	0.0	0.0
	LC9	0.0	3.0	-9.1	0.0	0.0	0.0
	LC10	0.0	-0.6	4.2	0.0	0.0	0.0
26	LC1	0.0	1.0	6.0	0.0	0.0	0.0
	LC2	0.0	-0.1	-4.1	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.2	-0.1	-11.4	0.0	0.0	0.0
	LC9	0.0	3.0	9.1	0.0	0.0	0.0
	LC10	0.0	0.7	4.1	0.0	0.0	0.0
27	LC1	0.0	0.0	0.3	0.0	0.0	0.0
	LC2	0.9	0.0	1.8	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	6.7	-0.1	13.6	0.0	0.0	0.0
	LC9	-0.5	0.1	-1.0	0.0	0.0	0.0
	LC10	0.0	0.0	0.2	0.0	0.0	0.0
28	LC1	0.1	0.0	0.5	0.0	0.0	0.0
	LC2	1.2	0.0	2.5	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	6.6	0.1	13.4	0.0	0.0	0.0
	LC9	0.5	0.1	1.0	0.0	0.0	0.0
	LC10	0.1	0.0	0.3	0.0	0.0	0.0
31	LC1	-0.4	0.0	12.5	0.0	0.0	0.0
	LC2	-0.6	-0.1	0.7	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	6.2	0.5	-6.3	0.0	0.0	0.0
	LC9	0.1	5.4	-13.7	0.0	0.0	0.0
	LC10	-0.3	0.0	8.5	0.0	0.0	0.0

■ NODES - SUPPORT FORCES

Node No.	LC/LG	Support forces [kN] $P_{X'}$	$P_{Y'}$	$P_{Z'}$	Support moments [kNm] $M_{X'}$	$M_{Y'}$	$M_{Z'}$
32	LC1	-0.4	0.0	15.3	0.0	0.0	0.0
	LC2	-0.6	0.0	0.9	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	6.3	-0.1	-6.2	0.0	0.0	0.0
	LC9	-0.1	5.4	13.6	0.0	0.0	0.0
	LC10	-0.3	0.0	10.4	0.0	0.0	0.0
33	LC1	0.0	-0.3	12.0	0.0	0.0	0.0
	LC2	-0.6	0.1	-0.3	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	6.6	0.1	1.3	0.0	0.0	0.0
	LC9	-0.2	4.1	-14.7	0.0	0.0	0.0
	LC10	0.0	-0.2	7.5	0.0	0.0	0.0
34	LC1	0.0	0.2	12.2	0.0	0.0	0.0
	LC2	-0.6	-0.1	0.0	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	6.1	-0.4	0.4	0.0	0.0	0.0
	LC9	0.2	3.7	15.0	0.0	0.0	0.0
	LC10	0.0	0.2	7.7	0.0	0.0	0.0
35	LC1	0.0	-2.3	13.2	0.0	0.0	0.0
	LC2	0.0	0.1	-2.4	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.2	-0.4	-16.8	0.0	0.0	0.0
	LC9	0.0	5.4	-20.5	0.0	0.0	0.0
	LC10	0.0	-1.5	8.5	0.0	0.0	0.0
36	LC1	0.0	2.3	12.8	0.0	0.0	0.0
	LC2	0.0	0.0	-4.0	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.2	0.3	-15.9	0.0	0.0	0.0
	LC9	0.0	5.3	20.3	0.0	0.0	0.0
	LC10	0.0	1.5	8.2	0.0	0.0	0.0
37	LC1	0.3	-0.1	0.9	0.0	0.0	0.0
	LC2	0.9	-0.1	1.9	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	10.7	-0.2	22.1	0.0	0.0	0.0
	LC9	-0.4	0.1	-0.8	0.0	0.0	0.0
	LC10	0.2	-0.1	0.6	0.0	0.0	0.0
38	LC1	0.5	0.1	1.3	0.0	0.0	0.0
	LC2	1.5	0.1	3.2	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	10.5	0.2	21.6	0.0	0.0	0.0
	LC9	0.4	0.1	0.9	0.0	0.0	0.0
	LC10	0.3	0.1	0.9	0.0	0.0	0.0
41	LC1	-0.2	0.0	12.6	0.0	0.0	0.0
	LC2	-0.7	-0.1	0.7	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	5.4	0.5	-5.1	0.0	0.0	0.0
	LC9	-0.1	5.4	-11.7	0.0	0.0	0.0
	LC10	-0.1	0.0	8.7	0.0	0.0	0.0
42	LC1	-0.2	0.0	15.3	0.0	0.0	0.0
	LC2	-0.7	0.0	0.9	0.0	0.0	0.0
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0
	LC8	5.5	-0.1	-4.8	0.0	0.0	0.0
	LC9	0.1	5.5	11.8	0.0	0.0	0.0
	LC10	-0.1	0.0	10.5	0.0	0.0	0.0
43	LC1	0.2	-0.2	9.6	0.0	0.0	0.0
	LC2	-0.7	-0.2	0.8	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	5.8	0.1	3.1	0.0	0.0	0.0
	LC9	-0.3	2.9	-10.0	0.0	0.0	0.0
	LC10	0.1	-0.2	6.6	0.0	0.0	0.0
44	LC1	0.2	0.2	9.6	0.0	0.0	0.0
	LC2	-0.6	-0.1	0.0	0.0	0.0	0.0
	LC7	7.5	3.3	12.5	0.0	0.0	0.0
	LC8	5.4	-0.4	2.6	0.0	0.0	0.0
	LC9	0.3	2.7	9.9	0.0	0.0	0.0
	LC10	0.1	0.1	6.6	0.0	0.0	0.0
45	LC1	0.0	-0.9	6.0	0.0	0.0	0.0
	LC2	0.0	0.4	-3.6	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0
	LC8	0.2	0.0	-11.6	0.0	0.0	0.0
	LC9	0.0	3.0	-9.0	0.0	0.0	0.0
	LC10	0.0	-0.6	4.2	0.0	0.0	0.0
46	LC1	0.0	1.0	6.0	0.0	0.0	0.0
	LC2	0.0	0.0	-4.7	0.0	0.0	0.0
	LC7	0.0	0.0	0.0	0.0	0.0	0.0

■ NODES - SUPPORT FORCES

Node No.	LC/LG	Support forces [kN] $P_{X'}$	$P_{Y'}$	$P_{Z'}$	Support moments [kNm] $M_{X'}$	$M_{Y'}$	$M_{Z'}$	
46	LC8	0.2	-0.1	-11.3	0.0	0.0	0.0	
	LC9	0.0	3.0	9.1	0.0	0.0	0.0	
	LC10	0.0	0.7	4.1	0.0	0.0	0.0	
47	LC1	0.0	0.0	0.3	0.0	0.0	0.0	
	LC2	1.1	0.0	2.3	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	6.7	-0.1	13.6	0.0	0.0	0.0	
	LC9	-0.5	0.1	-1.0	0.0	0.0	0.0	
	LC10	0.0	0.0	0.2	0.0	0.0	0.0	
48	LC1	0.1	0.0	0.5	0.0	0.0	0.0	
	LC2	1.7	0.0	3.6	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	6.6	0.1	13.5	0.0	0.0	0.0	
	LC9	0.5	0.1	1.0	0.0	0.0	0.0	
	LC10	0.1	0.0	0.3	0.0	0.0	0.0	
101	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	-6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
102	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
103	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.2	0.0	0.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
104	LC1	0.0	0.0	2.6	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.2	0.0	-7.2	0.0	0.0	0.0	
	LC9	0.0	0.8	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.7	0.0	0.0	0.0	
105	LC1	0.0	0.0	2.6	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.2	0.0	7.2	0.0	0.0	0.0	
	LC9	0.0	0.8	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.7	0.0	0.0	0.0	
106	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	-6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
107	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
108	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	-6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
109	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
110	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	-6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	

■ NODES - SUPPORT FORCES

Node No.	LC/LG	Support forces [kN] $P_{X'}$	$P_{Y'}$	$P_{Z'}$	Support moments [kNm] $M_{X'}$	$M_{Y'}$	$M_{Z'}$	
111	LC1	0.0	0.0	2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	1.0	0.0	6.0	0.0	0.0	0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
Σ Suppo	LC1	0.0	0.0	349.6				
Σ Loads		0.0	0.0	349.6				
Σ Suppo	LC2	0.0	0.0	0.0				
Σ Loads		0.0	0.0	0.0				
Σ Suppo	LC7	120.0	52.0	0.0				
Σ Loads		120.0	52.0	0.0				
Σ Suppo	LC8	202.1	0.0	0.0				
Σ Loads		202.1	0.0	0.0				
Σ Suppo	LC9	0.0	126.5	8.4				
Σ Loads		0.0	126.5	8.4				
Σ Suppo	LC10	0.0	0.0	221.9				
Σ Loads		0.0	0.0	221.9				