# Hornsea 01 220kV Offshore GIS HOW01Z11

## **Foundation Loads Report**

### **Z11AAD&CLC001**



A Revision	As Built Status		
<b>DO</b>	NG	Foundation Loads Report Z11AAD&CLC001	
		Cover sheet for doc.: E50115-B0344 R102-A	
		Project. no.	No. of pages
		54PO-01747	9

#### Foundation Loads

Dong Energy Author.: EM HP GIS EN MEN / Med P-0150...
Hornsea Offshore Windfarm 11 Appr.:EM HP GIS EN MEN / Niederkom
8DN9-2 220kV Date: 14.04.2016 E50115-B0344-R102-A

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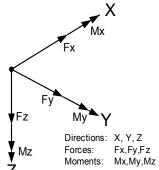
GRAPHICS

#### 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

## ORIENTATION OF FORCES AND MOMENTS



#### **LOADCASES**

LC10

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

#### Loadcombination for Normal Load Case

Transportation Loads Z-direction

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)

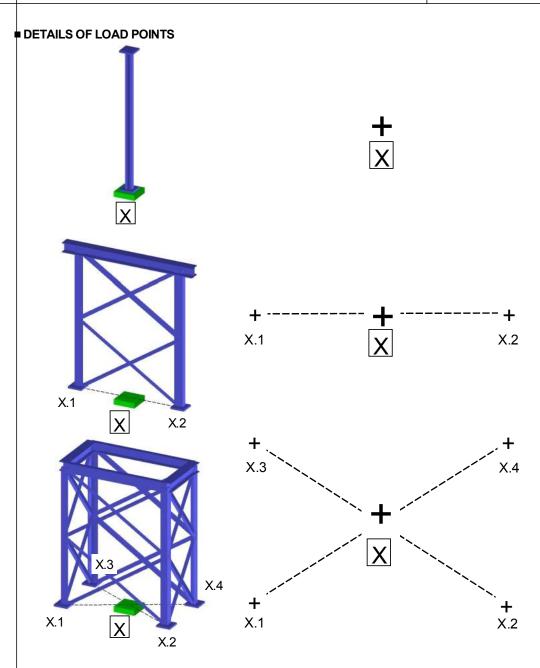
	Revision	Date	Author	Description			
I	Α	A 17.10.2016 med		Gangways are considered LP 101 - 111			

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GRAPHICS



#### **Explanation of load points and fixing points:**

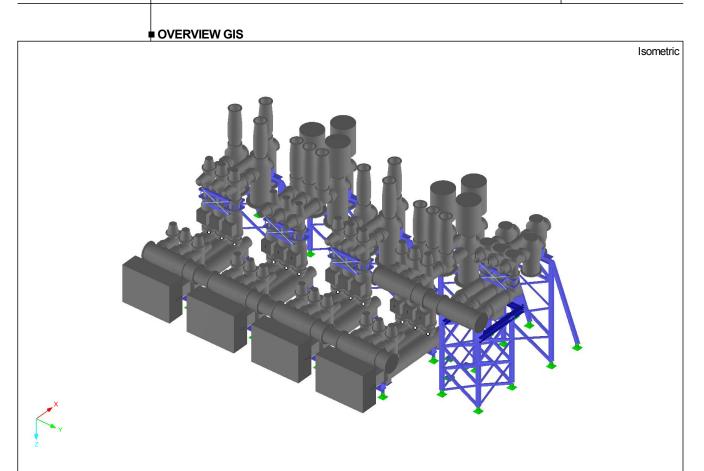
Explanation of the application and designation of the load points and fixing points:

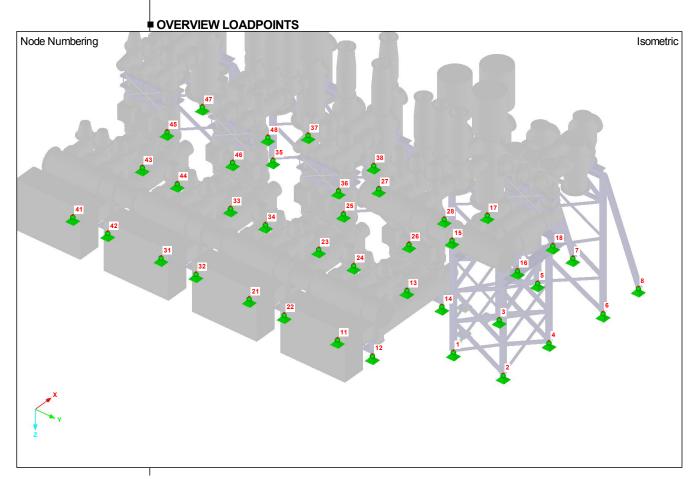
- 1. For steel structures with one fixing point, the load point designated with a number **X** is equal to the fixing point.
- 2. For steel structures with more than one fixing point the following has to be applied:
- 2.1 These steel structures have one virtual common load point in the centre of the 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.

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RESULTS

	<u> </u>	PPORTFOR			-			
Node	10/10		ipport forces [k			ort moments [l		
No.	LC/LG	P <sub>X'</sub>	P <sub>Y</sub> '	Pz'	M <sub>X'</sub>	M <sub>Y</sub> '	Mz'	
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	l .
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	3.8		-12.9	0.0	0.0	0.0	1
	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	l
	LC2	-0.7	0.1	2.9	0.0	0.0	0.0	1
	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	l
	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	l
	LC2	-0.8	0.0	-2.5	0.0	0.0	0.0	1
	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	l .
	LC9	-0.6	3.6	-14.6	0.0	0.0	0.0	
4	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	l .
	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	l .
	LC9	0.6	1 1	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	1 1	4.5	0.0	0.0	0.0	
	LC2	0.0	0.0	-5.3	0.0	0.0	0.0	l .
	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	1
	LC9	0.0		-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		3.9	0.0	0.0	0.0	
	LC2	0.0	-0.1	-4.9	0.0	0.0	0.0	l .
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	l .
	LC8 LC9	0.3	-0.1	-10.3	0.0	0.0	0.0	
		0.0 0.0	1 1	8.6	0.0	0.0	0.0 0.0	
7	LC10		0.0	2.6	0.0	0.0		
/	LC1	0.3	0.0	1.3	0.0	0.0	0.0	l
	LC2	1.6	1 1	4.7	0.0	0.0	0.0	1
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8 LC9	4.0 -0.7	0.0	11.5	0.0	0.0	0.0	l
	LC10	-0.7 0.2	0.1	-2.2 0.9	0.0 0.0	0.0 0.0	0.0 0.0	
8	LC10		0.0	1.5	0.0	0.0	0.0	
0	LC2	0.4 1.5	0.0	4.5	0.0	0.0	0.0	l .
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8	4.1	0.0		0.0	0.0	0.0	l l
	LC9	0.7	0.0	11.6 2.2	0.0	0.0	0.0	l .
	LC10		1 1					
11		0.2	0.0	1.0	0.0	0.0	0.0	
	LC1 LC2	-0.4 -0.7	-0.1	12.6 0.9	0.0 0.0	0.0 0.0	0.0 0.0	
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0	
	LC7	6.2	0.6	-12.5 -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	LC10	-0.2	0.0	15.8	0.0	0.0	0.0	
12	LC2	-0.4	0.0	0.9	0.0	0.0	0.0	l l
	LC7	7.5	3.3	-12.5	0.0	0.0	0.0	l .
	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	-0.1 -0.2	0.0	10.8	0.0	0.0	0.0	
13	LC10	0.1	-0.4	13.9	0.0	0.0	0.0	
13	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	LC10	0.1	0.2	15.5	0.0	0.0	0.0	
14	LC2	-0.6	0.2	-0.5	0.0	0.0	0.0	1
	LC7	7.5	3.3	-0.5 12.5	0.0	0.0	0.0	
	LC8	6.1	-0.5	0.8	0.0	0.0	0.0	l .
	LC9	0.1	4.0	16.6	0.0	0.0	0.0	l
	LC9 LC10	0.2	0.1	10.0	0.0	0.0	0.0	
			, U.I	10.0				
15	I C1			12 /	0.0	0.0	0.0	
15	LC1	0.0	-2.1	12.4 -2.8	0.0 0.0	0.0 0.0	0.0	
15	LC10 LC1 LC2 LC7		-2.1 0.1	-2.8	0.0 0.0 0.0	0.0 0.0 0.0	0.0	

Foundation Loads

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RESULTS

■ NODI	<u> ES - SU</u>	PPORT FC	RCES					
Node			pport forces [kl	•		ort moments [I		
No.	LC/LG	P <sub>X'</sub>	P <sub>Y'</sub>	Pz'	M <sub>X'</sub>	MY	Mz'	
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 LC9	0.2 0.0	0.2 5.3	-17.8 18.5	0.0 0.0	0.0 0.0	0.0 0.0	
	LC10	0.0	1.4	8.0	0.0	0.0	0.0	
17	LC10	0.0	-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 LC10	1.2 0.2	0.1	2.6 0.6	0.0 0.0	0.0	0.0 0.0	
21	LC10	-0.2	0.1	11.7	0.0	0.0	0.0	
	LC2	-0.2	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 LC10	0.1 -0.1	5.4 0.0	11.7 11.0	0.0 0.0	0.0 0.0	0.0 0.0	
23	LC10	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	0.0	
	LC8 LC9	5.4 0.3	-0.4 2.7	2.6 9.9	0.0	0.0 0.0	0.0 0.0	
	LC10	0.3	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 LC10	0.0 0.0	3.0 0.7	9.1 4.1	0.0 0.0	0.0 0.0	0.0 0.0	
27	LC10	0.0	0.7	0.3	0.0	0.0	0.0	
	LC2	0.0	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	
31	LC10	0.1 -0.4	0.0	0.3	0.0	0.0	0.0	
31	LC1 LC2	-0.4 -0.6	0.0 -0.1	12.5 0.7	0.0	0.0 0.0	0.0	
	LC2	-0.6 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		8.5	0.0		0.0	

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RESULTS

Node No.   LC/LG   Px   Py   Pz   Mx   My   My   Mz	
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         0.0	
LC7         7.5         3.3         -12.5         0.0         0.0         0.0         0.0           LC8         6.3         -0.1         -6.2         0.0         0.0         0.0         0.0           LC9         -0.1         5.4         13.6         0.0         0.0         0.0         0.0           LC10         -0.3         0.0         10.4         0.0         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	
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	
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	
33   LC1   0.0   -0.3   12.0   0.0   0.0   0.0	
LC7   7.5   3.5   12.5   0.0   0.0   0.0	
LC8 6.6 0.1 1.3 0.0 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   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	
LC9 0.0 5.4 -20.5 0.0 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 0.0	
LC7   0.0   0.0   0.0   0.0   0.0	
LC8   0.2   0.3   -15.9   0.0   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	
LC7 0.0 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	
LC10 0.2 -0.1 0.6 0.0 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   0.0	
LC8 10.5 0.2 21.6 0.0 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	
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         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	
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 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 0.0	
LC7         0.0 <td></td>	
LC9 0.0 3.0 -9.0 0.0 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 0.0	
LC7   0.0   0.0   0.0   0.0   0.0	7444400000

Foundation Loads

Dong Energy Author.: EM HP GIS EN MEN / Med P-0150...
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RESULTS

■ NODI	<u> </u>	IPPORT FO	RCES					
Node No.	LC/LG	P <sub>X'</sub>	ipport forces [kN]	Pz'	Supp M <sub>X'</sub>	ort moments [I	(Nm] Mz'	
46	LC8	0.2	-0.1	-11.3	0.0	0.0	0.0	
	LC9 LC10	0.0 0.0	3.0 0.7	9.1 4.1	0.0 0.0	0.0 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 LC8	0.0 6.7	0.0 -0.1	0.0 13.6	0.0 0.0	0.0 0.0	0.0 0.0	
	LC9	-0.5	0.1	-1.0	0.0	0.0	0.0	
40	LC10	0.0	0.0	0.2	0.0	0.0	0.0	
48	LC1 LC2	0.1 1.7	0.0	0.5 3.6	0.0 0.0	0.0 0.0	0.0	
	LC7	0.0	0.0	0.0	0.0	0.0	0.0	
	LC8 LC9	6.6 0.5	0.1	13.5 1.0	0.0 0.0	0.0 0.0	0.0 0.0	
	LC10	0.3	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 LC7	0.0	0.0	0.0	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	8.0	1.3	0.0	0.0	
102	LC10 LC1	0.0	0.0	0.6 2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7 LC8	0.0 1.0	0.0	0.0 6.0	0.0 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	
103	LC1 LC2	0.0	0.0	2.1 0.0	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 LC10	0.0	0.5 0.0	0.8	1.3 0.0	0.0 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 LC8	0.0	0.0	0.0 -7.2	0.0 0.0	0.0 0.0	0.0 0.0	
	LC9	0.0	0.8	0.8	1.3	0.0	0.0	
105	LC10 LC1	0.0	0.0	0.7 2.6	0.0	0.0	0.0	
100	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 LC9	1.2 0.0	0.0	7.2 0.8	0.0 1.3	0.0 0.0	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 LC7	0.0	0.0	0.0	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 LC10	0.0 0.0	0.5 0.0	0.8 0.6	1.3 0.0	0.0 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 LC8	0.0 1.0	0.0	0.0 6.0	0.0 0.0	0.0 0.0	0.0 0.0	
	LC9	0.0	0.5	0.8	1.3	0.0	0.0	
100	LC10	0.0	0.0	0.6	0.0	0.0	0.0	
108	LC1 LC2	0.0 0.0	0.0 0.0	2.1 0.0	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 LC9	1.0 0.0	0.0 0.5	-6.0 0.8	0.0 1.3	0.0 0.0	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 LC7	0.0	0.0 0.0	0.0	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	
110	LC10 LC1	0.0	0.0	0.6 2.1	0.0	0.0	0.0	
	LC2	0.0	0.0	0.0	0.0	0.0	0.0	
	LC7 LC8	0.0 1.0	0.0 0.0	0.0	0.0	0.0 0.0	0.0 0.0	
	LC8	0.0	0.0	-6.0 0.8	0.0 1.3	0.0	0.0	
	LC10	0.0	0.0	0.6	0.0	0.0		

**SIEMENS**Foundation Loads

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RESULTS

Node		Su	pport forces [k	N]	Support moments [kNm]			
No.	LC/LG	Px'	P <sub>Y'</sub>	Pz'	M <sub>X'</sub>	My	Mz'	
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					
Σ Loads		0.0	0.0	221.9				